

ARHAI Scotland

Antimicrobial Resistance and Healthcare Associated Infection



Winter (21/22), Respiratory Infections in Health and Care settings

**Infection Prevention and Control
Addendum**

Publication date: 27 April 2022

Version 1.8

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Version history

Version	Date	Summary of changes
V1.0	29/11/2021	Guidance launched
V1.1	13/12/2021	Update to 'Determining the IPC precautions required for AGPs'
V1.2	17/01/2022	<p>Addition of advice for regular testing in critical care units where AGPs are regularly performed on the non respiratory pathway</p> <p>Reduction of COVID-19 duration of precautions from 14 days to 10 days.</p>
V1.3	20/01/2022	<p>Update to Non COVID-19 discharges (non respiratory pathway) from hospitals to care homes</p> <p>Addition of sections for primary care and care homes to reinforce and support assessment using the hierarchy of controls</p>
V1.4	03/02/2022	Additional information for visitors entering AGP zones
V1.5	23/02/2022	<p>Risk assessment for management of patient placement in long term residential community settings (section 5.8 and section 5.12.2)</p> <p>Update to testing table</p>
V1.6	01/04/2022	<p>The following updates reflect changes to healthcare COVID-19 pandemic controls as outlined in DL (2022) 07 as follows;</p> <p>Changes to patient testing requirements including Hospital Testing Table</p> <p>Inclusion of the wider use of Rapid Diagnostic Testing (including POCT) or LFD testing</p> <p>Changes to management of contacts including inclusion of 28 day contact exemption</p> <p>Changes to respiratory screening questions</p> <p>Changes to testing requirement pre AGP on the non respiratory pathway</p> <p>Withdrawal of car sharing guidance</p> <p>Removal of physical distancing guidance</p> <p>Please note: the above changes within version 1.6 are not applicable in care homes, prisons and social community and residential care settings at the time of</p>

Version	Date	Summary of changes
		version update; Extant guidance remains in place for these settings.
V1.7	07/04/2022	Update to include definition of fully vaccinated Addition to physical distancing noting that services may choose to retain physical distancing where they deem it necessary
V1.8	27/04/2022	Addition of testing responsibilities at an organisational level and clarity of testing language Change to isolation advice for service users with COVID-19 Removal of vaccination as part of contact management.

This guidance has been developed in collaboration and consultation with representatives from health and care NHS Boards and Organisations across Scotland and approved by the CNO Nosocomial Review Group (CNRG). This process deviates from the National Infection Prevention & Control Manual (NIPCM) normal governance process for guidance production and sign off due to the urgent nature for respiratory pathway Infection Prevention & Control (IPC) guidance during the COVID-19 pandemic and the next winter season. This guidance will be incorporated into the NPGO programme for routine annual update as the Pandemic response allows a return to normal governance procedures.

When an organisation adopts practices that differ from those recommended/stated in this national guidance, that individual organisation is responsible for ensuring safe systems of work, including the completion of a risk assessment(s) approved through local governance procedures.

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5.1 Introduction

This guidance has been developed during the ongoing COVID-19 pandemic recognising the likelihood of a surge in other respiratory viruses in addition to COVID-19 over the winter season of 2021/22 and supersedes the 3 COVID-19 addenda (Acute, Care home and Community health and care settings) first published in October 2020. This guidance is aligned with the UK Infection Prevention and Control for Seasonal Respiratory Infections in Health and Care settings including SARS-CoV-2 for Autumn Winter 2021/2022. High consequence infection diseases (HCIDs) transmitted by the airborne route such as emerging pandemic influenza or other novel respiratory viruses are out of scope for this guidance.

Key changes as we move from the COVID-19 addenda to Winter (21/22), Respiratory Infections in Health and Care Settings Infection Prevention and Control (IPC) Addendum are;

- Removal of the 3 distinct COVID-19 care pathways (high/red, medium/amber and low/green) to respiratory and non –respiratory pathways
- A return to Standard Infection Control Precautions (SICPs) and Transmission Based Precautions (TBPs) as per National Infection Prevention and Control Manual (NIPCM) and the Care Home Infection Prevention and Control Manual (CHIPCM)
- An algorithm to support placement of service users within health and care settings
- Respiratory screening questions to include COVID-19 AND other respiratory pathogens
- Ongoing Rapid testing for COVID-19 AND to now include other respiratory pathogens in some settings

A summary of changes compared with the previous COVID-19 addenda can be found here. It should be noted that the principles of applying TBPs for service users presenting with a suspected/confirmed respiratory virus **apply at all times throughout the year** however the purpose of this guidance is to support health and care settings when cases of respiratory viruses increase impacting on flow and service delivery. NHS Scotland boards are preparing for an increase in service demand as a result of respiratory viruses this winter season (21/22) and this guidance should be implemented to minimise risk and harm to staff, service users and visitors during this period of increased admissions and whilst the COVID-19 pandemic continues. It is intended that this guidance will be reviewed regularly and adapted for use routinely on an annual basis.

IPC measures required for COVID-19 are incorporated within this guidance and IPC principles are applied consistently across all respiratory pathogens wherever possible. Some pandemic measures specific to COVID-19 remain at this time and these will be highlighted within this guidance.

Although many of the COVID-19 pandemic measures within the general community are relaxing, there remains a very real risk within healthcare settings of COVID-19 transmission and transmission of other respiratory pathogens e.g Influenza, Respiratory Syncytial Virus (RSV), Rhinovirus. This is due to compounding factors such as vulnerability of the service users, the communal nature of many of the care facilities and within primary and secondary care settings, the very nature of the service provided in treating respiratory infections which facilitates the presence of high numbers of symptomatic individuals in the setting.

The term 'service users' will be used in generic sections to describe patients, residents and individuals.

This guidance is intended for use by all those involved in health and care provision and applies to the following settings;

- Secondary care (Acute) including paediatrics & mental health
- Primary care
- Mental Health services
- Care homes
- GP practices/health centres
- Dental settings (across all sectors including secondary care)
- Hospice settings
- Community Optometry
- Community Pharmacy
- Specialist palliative care in-patients units/hospices
- Health and social care services provided in peoples own homes

- Community based health and care settings
- Care at home
- Supported accommodation settings
- Rehabilitation services
- Residential children's homes
- Stand-alone residential respite for adults (settings not registered as a care home)
- Stand-alone residential respite/short break services for children
- Sheltered housing
- Health centres within Prison and detention settings
- Scottish Ambulance service (SAS) – NB: SAS also have specific setting guidance

This guidance is generic and applies across all the settings described above however, where specific sector guidance exists it will be highlighted as follows;

Guidance specific to **Secondary care settings** or particular services within secondary care will be highlighted in blue.

Guidance specific to **Primary care and Community Health and Social Care settings** or particular services within primary care or health and social care (excluding care homes) will be highlighted in green.

Guidance specific to **Care home settings** or particular services within the care home settings will be highlighted in pink.

Guidance specific to **Dental settings** or particular services within dental settings will be highlighted in lilac. (Dental services operating in secondary care settings may also choose to refer to guidance specific to secondary care)

5.2 Organisational preparedness

All health and care settings must make efforts to prepare and plan for an increase in cases of respiratory viruses and as such the management of respiratory viruses in advance of the respiratory season. IPC should form part of winter planning for NHS boards and other care providers. The impact of the respiratory season on individual settings will vary depending on;

- The throughput of service users within the setting
- The vulnerability of service users within the setting in terms of potential exposure to respiratory viruses and risk of severe disease should they acquire a respiratory virus
- The ability to isolate service users within the setting
- Access to testing for respiratory pathogens

Health and care settings and in some cases, individual departments e.g. emergency departments, critical care units are encouraged to develop a respiratory plan applicable for their area. Examples of considerations within the respiratory plan may include;

- the process for service user respiratory screening,
- placement and segregation of service users with respiratory symptoms or a confirmed respiratory virus/infection
- testing arrangements
- staff resource, allocation (inclusive of plans for increased staff absence)
- the expansion of respiratory support and Intensive Care Units (ICUs) should this be required

5.2.1 SARS -CoV-2 testing

The choice of COVID-19 tests being deployed in boards requires strategic/executive decision making in consultation with board Microbiologists /Virologists and with consideration of wider service impacts. The option to use Rapid Diagnostic Tests (including POCT) or LFD as a means to alleviate systems pressure may be considered by boards.

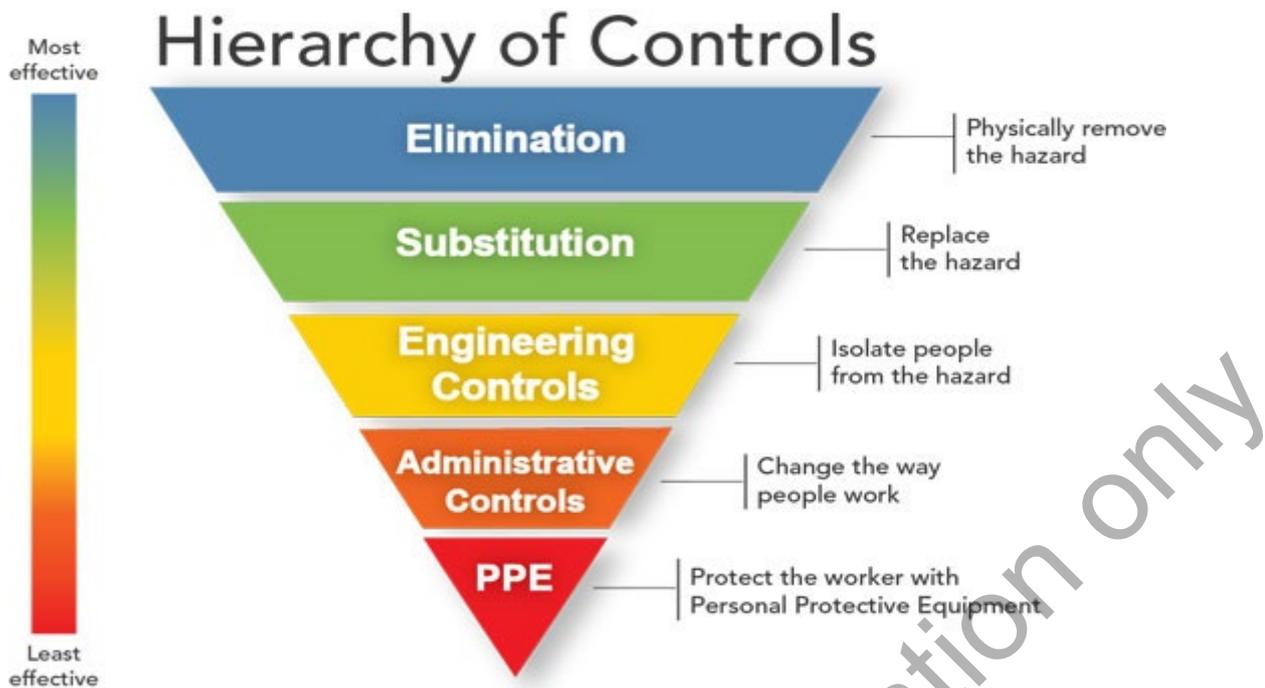
Various Rapid Diagnostic Tests (including POCT) or LFD kits have been approved for use within acute and community hospital settings to date and NHS Boards should seek to understand which Rapid Diagnostic Tests (including POCT) or LFD tests are available for use in their areas. Some tests have greater validity and these should be considered for use wherever possible and where the risk of COVID-19 transmission and resulting severe disease is greatest e.g. admissions to high risk departments such as haemato-oncology.

5.3 Hierarchy of Controls

Controlling exposures to occupational hazards, including the risk of infection, is the fundamental method of protecting users of the health and care facilities. Below is a graphic specifying the general principles of prevention legislated in the Management of Health and Safety at Work Regulations 1999, Regulation 4, Schedule 1. It details the most to the least effective hierarchy of controls and can be used to help implement effective controls in preventing the spread of respiratory viruses within health and care settings. The hierarchy of controls will help protect all users of the health and care facility and not just staff. NHS Boards/care organisations and staff should first employ the most effective method of control which inherently results in safer control systems. Where that is not possible, all others must be considered in sequence. Personal protective equipment (PPE) is the last in the hierarchy of controls and may be the only mitigating control when caring for a service user with a pathogen spread by the airborne route.

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Figure 1: Hierarchy of controls



Centers for disease control and prevention. The National Institute for Occupational Safety and Health. Hierarchy of Controls. 2015. <https://www.cdc.gov/niosh/topics/hierarchy/default.html>

Examples of ways in which the hierarchy of controls can be applied in health and care settings is as follows (note; these are examples, not all will apply in every health and care setting and generally apply to both the respiratory and non-respiratory pathways unless otherwise stated);

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Table 1: Hierarchy of controls examples in practice

Hierarchy of controls	Examples in practice & resources
Elimination	<ul style="list-style-type: none"> • Consider performing consultations for service users with respiratory symptoms by telephone or digital means if possible and not detrimental to the service user. Services may adopt a hybrid approach whereby they choose to see some service users face to face and others via digital consultation – this should be determined locally by means of a risk assessment • Service users must avoid attendance at health and care facilities whilst symptomatic of a respiratory virus where the matter is non urgent. It should be noted that postponement of urgent care is not advised • Staff must not report to work if they have symptoms of COVID-19 • Staff testing negative for SARS-CoV-2 by PCR who remain symptomatic of another respiratory virus should consider the risk to service users particularly if they are immunosuppressed or otherwise medically vulnerable before returning to work. Once medically fit to return to work, if staff are in doubt about any risk they may pose to patients or colleagues, this should be discussed with their line manager in the first instance • Staff who have tested asymptotically positive using Lateral Flow Device (LFD) test must isolate and not report to work. If at work at time of testing, apply a Type IIR fluid resistant surgical mask (FRSM), inform line manager of result and leave work immediately • Visitors must not enter a health and care facility if they have suspected/confirmed COVID-19 or have been advised to self-isolate for any reason (unless exceptional circumstances and essential visit pre-arranged with clinical and Infection Prevention & Control Team (IPCT)) • During the COVID-19 pandemic, staff who can work from home should be supported to do so • Consideration should be given to non-clinical/health and care staff who typically enter clinical/care areas as part of their job role and alternative arrangements made wherever practically possible

Hierarchy of controls	Examples in practice & resources
Substitution	<ul style="list-style-type: none"> Consider use of alternative venue to reduce risk wherever practicable, e.g. meet outside; use a non-shared, large, well-ventilated room near front door of the facility; arrange a home visit; move service to a room with better ventilation
Engineering controls	<ul style="list-style-type: none"> Take steps to prevent overcrowding Improve ventilation in facilities by opening windows or doors where safe to do so (NB fire doors must not be propped open) Use mechanical ventilation which is operating effectively and where available Ensure optimal bed spacing and chair spacing throughout health and care settings Consider availability of single rooms for performing aerosol generating procedures (AGPs) Ensure effective equipment cleaning and effective environmental cleaning regimes are in place Use different rooms or partitions placed in appropriate places (e.g reception desk screen), to separate service users from each other and/or staff (risk assessments prior to installation need to consider any impact on air flow before installation and any cleaning requirements)
Administrative controls	<ul style="list-style-type: none"> Reduce waiting time for service users in waiting areas e.g. practices, outpatient clinics, radiology waiting areas as far as possible e.g. consider asking service users to wait in their car or outdoors if possible until telephoned by the department to advise of safe entry to the building for appointment. Inpatient radiology departments should aim to request attendance by inpatients from wards which will limit the time waiting in the department Avoid face to face waiting arrangements in waiting areas (side by side and/or back to back preferred) Reduce movement of service users on the respiratory pathway where procedures can be performed in their own room rather than requiring transfer to another department/area Make efforts to reduce number of people on premises at any one time wherever practicable e.g. consider reduction in number of staff involved in ward rounds.

Hierarchy of controls	Examples in practice & resources
	<ul style="list-style-type: none"> • Consider whether Multi-Disciplinary Team (MDT) meetings, case conferences or other staff meetings could be undertaken using digital methods • Reduce number of staff in break areas/changing rooms/offices by staggering break times, shift start times and display maximum occupancy on entry to and within the room • Development of dedicated respiratory pathway and dedicated assessment/consultation rooms on the premises for use by service users with respiratory symptoms • Operate one way systems where possible • Display appropriate signage throughout the facility • Ensure provision of additional hand hygiene and face mask stations • Ensure there is regular reiteration of controls and key messages associated with respiratory pathway guidance via safety huddles, communication emails
Personal Protection Equipment	<ul style="list-style-type: none"> • Use of Type IIR FRSMs as per extended use of facemasks guidance • Use of face coverings (although not classed as PPE) by service users and visitors – in secondary care they can be provided with a Type IIR FRSM as per extended use of facemasks guidance • Use appropriate PPE when a risk assessment indicates this is required • Ensure adequate supply and availability of PPE including respiratory protective equipment (RPE) to protect staff, service users and visitors • Ensure all staff required to wear RPE have been fit tested (this is a legal requirement for employers).

Health and care settings must seek to identify and prepare the most suitable clinical/care area for **planned placement** of service users requiring care on the respiratory pathway. Prior to determining areas for planned placement of the respiratory pathway, the NHS Board/care organisation must ensure a full structured risk assessment of the proposed area is carried out. This should be undertaken using the [hierarchy of controls](#) and recognise that there is lowest risk

where elimination can be achieved and highest risk where PPE is the only control in place. Risk assessments should be periodically reviewed as determined by the NHS Board/care organisation to ensure no change to the level of risk.

If the risk assessment concludes that an unacceptable risk of transmission remains within the environment after rigorous application of the hierarchy of controls (e.g. unable to defer patient care, area poorly ventilated AND overcrowded) and **only** if there are no other more optimal lower risk areas suitable for the respiratory pathway, then the NHS Boards/care organisation should consider utilising the area for this purpose with provision of respiratory protective equipment (RPE) (FFP3 respirators) for the staff working in this area.

The evidence continues to support the most likely route of COVID-19 transmission being via the droplet and contact route. However, it is accepted that in some high risk environments housing COVID-19 cases where mitigations in line with the hierarchy of controls cannot be applied, the level of risk is unknown. As a precautionary approach, the use of RPE by staff in the designated area may be considered by the organisation. This takes account of guidance issued by the [World Health Organization \(WHO\) occupational health and safety for healthcare workers](#)



Primary Care and Community Health and Social Care settings – Risk assessing placement of the respiratory pathway

Primary care settings and community health and social care settings should aim to apply as many of the hierarchy of controls as possible whilst maintaining patient safety. Work places should systematically work through the hierarchy of controls from top to bottom for each area required for the respiratory pathway e.g waiting areas, consulting rooms, treatment areas. When selecting areas for the respiratory pathway, those which are well ventilated and have enough space to prevent overcrowding are optimal and reduce transmission risk. These principles also apply to the delivery of care at home.



Care Home Settings – Risk assessing placement of the respiratory pathway

Care home settings should plan in advance to establish how best to manage residents who require care on the respiratory pathway. Isolation in a resident's own room should commence if suspected or confirmed to have a respiratory virus. Residents who have a

suspected or confirmed respiratory infection should not use communal areas until de-escalation criteria is met.



Secondary Care settings – Risk assessing placement of the inpatient respiratory pathway

Some health and care settings and service user groups present a greater risk for the transmission of respiratory viruses including inpatient settings where patients with COVID-19 spend extended periods of time and are more likely to have more severe COVID-19 disease. Prior to determining areas for planned placement of the respiratory pathway, the NHS Board/Organisation must ensure a full structured risk assessment of the proposed area is carried out, led by operational and clinical management and involving Health and safety teams, Estates and Facilities representatives, Occupational Health Services (OHS), Infection Prevention & Control Team (IPCT) and the clinical team. A [Risk Assessment algorithm](#) was developed for COVID-19 patient placement but can be applied to the respiratory pathway. The algorithm aims to help support the risk assessment process and should take account of the following;

- Does the room capacity allow for all bed/treatment chairs to meet bed/chair spacing requirements in line with current guidance or 2 metres distancing as a minimum?
- Is the area [mechanically ventilated](#) and meet a minimum of 6 air changes per hour (ACH)?

5.3.1 Ventilation in health and care settings

Adequate ventilation reduces how much infectious particles are in the air by dilution. It helps reduce the risk of transmission of respiratory pathogens - the risk is greater in areas that are poorly ventilated. This guidance document is not intended to contain technical detail on ventilation but rather provide over-arching advice on the considerations for health and care settings in the context of respiratory pathogens and risk reduction. The content below should be read in conjunction with the relevant national guidance relating to ventilation in the built environment.

A number of studies have linked COVID-19 transmission to recirculating air conditioners, with the high velocities created by these units potentially allowing larger viral aerosols to remain airborne over longer distances. It is also possible that directional flow from desk fans could have

a similar effect however the evidence of this is weak. Fans should be avoided as much as possible and should not be used without prior risk assessment. An [SBAR details the considerations for risk assessing fan use](#).

(SHTM 03-01 Part A) Ventilation for Healthcare - Design and validation details the ventilation requirements for healthcare settings and notes that 6 ACH is considered adequate for general areas within health and care settings across both the respiratory and non-respiratory pathways. Some areas of healthcare e.g. theatres, treatment rooms, dental surgeries require higher specification of mechanical ventilation and further details can be found in guidance laid out in section 5.3.2. Dental settings may also refer to SDCEP Ventilation Information for Dentistry. It is recognised that many health and care areas are not installed with mechanical ventilation systems to achieve a minimum of 6 ACH and NHS Boards/care providers are not required to upgrade ventilation throughout all of their estate (unless this is part of the existing strategic plans) however it should be noted that where mechanical ventilation provides 6ACH or more, that respiratory pathogen transmission risk is reduced. Other mitigations must be in place to reduce transmission risk such as those described in the [hierarchy of controls](#) in particular where there is no mechanical ventilation.

Service users with known or suspected respiratory viruses must not be placed in a positive pressure room.

5.3.2 Mechanically ventilated areas

NHS Scotland Boards/Health and Social care providers should seek assurance that their ventilation systems comply with guidance to which they were designed, including:

- [Best practice guidance for healthcare engineering policies and principles \(SHTM 00\)](#)
- [Ventilation for Healthcare - Design and validation \(SHTM 03-01 Part A\)](#)
- [SHPN 36 Part 2 NHS Dental Practices in Scotland](#)

Ensure ventilation systems are well maintained ensuring functionality of air handling units and correct delivery of assigned air change rates. Controls should be set to maximise the amount of fresh air coming into the space and avoid recirculation of air as much as possible. Dampers should also be opened as far as possible.

5.3.3 Naturally ventilated areas (No mechanical ventilation)

Ensure areas are ventilated as much as and as frequently as possible by opening windows if temperature/weather conditions allow. Where weather conditions do not allow for windows being opened, consider if other mitigations can be applied within the area to reduce risk. Organisations should consider any other safety risks with opening the windows where adjacent building works are in progress. If possible, open windows at different sides to get a cross flow of ventilation. Where it is safe to do so, doors may be opened. NB fire doors must NEVER be propped open. Airing rooms as frequently as permitted will help improve ventilation. Where only natural ventilation exists, ensure maximum application of other mitigations measures as far as possible aligned to the Hierarchy of Controls.

[Aerosol Generating Procedures \(AGPs\)](#) undertaken on service users with suspected/known respiratory viruses/infection should be avoided in rooms with less than 6ACH and this includes rooms limited to natural ventilation. If this cannot be avoided then a single side room should be used with all staff wearing appropriate airborne PPE, AGP fallow times adhered to and ensuring the door remains closed during the AGP and resulting AGP fallow time.

5.3.4 Air scrubbers (also known as HEPA units)

Where air-supply systems to high-risk clinical settings (in the context of respiratory virus transmission) are suboptimal, following risk assessment including assurance of the efficacy and safety of the filtration unit, health and care settings may consider using portable industrial grade air filtration units containing HEPA filters. As yet, evidence on the use of air scrubbers is limited and as such these should be used with caution. The units should be capable of recirculating all of the room air, without interfering with the existing pressure differential of the room and should provide a minimum of 6 air changes per hour. The unit must be sized appropriately for the room in which it will be utilised and maintenance contracts should be procured to accompany the unit. It should be noted that these units do not provide additional fresh air into a space and there is no standard to measure the efficacy of these devices. NHS Boards should satisfy themselves that these devices are suitable and if required, seek advice from estates departments. Boards should also assess (not limited to) the noise levels, power requirements, heat gains and potential trip hazards as part of the risk assessment.

Currently, the CIBSE and SAGE resources below provide the best available independent views of air cleaning devices.

“Air purifiers” are typically used in domestic settings and should **not** be used in health and care settings.

More information on ventilation in the context of COVID-19 can be found at the following resources;

CIBSE: [Covid-19 Guidance: Ventilation](#)

SAGE: [Role of ventilation in controlling SARS-CoV-2](#)

SAGE: [Potential applications of air cleaning devices](#)

5.3.5 Bed and Treatment chair spacing

All NHS boards and care providers must aim to meet the minimum bed spacing requirements laid out in the guidance below for secondary care settings. This takes account of ergonomics within the clinical environment and not just healthcare associated infection (HAI) risk. Some other health and care settings may choose to adopt this guidance e.g. hospice settings.



Dental settings – Treatment chair spacing

Since 2014, HBN 00-03's Figure 45 states a day treatment bay should achieve 2.45m width / centre-to-centre dimension. [IM/2020/024](#) & its supplementary [SIM2108](#) Fig 2B, assume a 0.5m diameter zone for the patient head and up to 3 trolley/ couch/ chair(s) in a row, will achieve a 2m physical distancing, i.e. a minimum 2.5m centre-to-centre.



Secondary Care settings – Bed and Treatment Chair Spacing

Guidance consistently recognises that bed spacing requirements contribute towards the control of HAIs. Adult in-patient facilities designed post 2010 should achieve 3.6m (width) x 3.7m (depth) dimensions of SHPN 04-01, HBN 00-03 and SHFN 30. Width of 3.6m is measured from bed centre to bed centre.

Since 2014, HBN 00-03's Figure 45 states a day treatment bay should achieve 2.45m width/centre-to-centre dimension. [IM/2020/024](#) & its supplementary [SIM2108](#) Fig 2B, assume a 0.5m diameter zone for the patient head and up to 3 trolley/ couch/ chair(s) in a row, will achieve a 2m physical distancing, i.e. a minimum 2.5m centre-to-centre.

For older facilities, designed post 1995, HBN 40 bed bay minimum of 2.7 x 2.9m, the preferred minimum bed centre is 2.9m. Facilities designed pre 1995, or for clinical

specialties e.g. Mental Health (SHPN 35 / HBN 03-01) or Care of Older People (HBN 37), had a bed bay minimum of 2.4 x 2.9m. For this specific group, the pragmatic minimum of 2.7m bed centres should be adhered to, and/or reduction to total patient numbers/ occupation per multi-bed room and ventilation enhancements should be considered where practicable.

Current NHS Scotland Guidance on bed spacing include:

- [Core guidance - General design for healthcare buildings \(HBN 00-01\)](#)
- [Core guidance - Clinical and clinical support spaces \(HBN 00-03\)](#)
- [Critical care units \(HBN 04-02\)](#)
- [HAI-SCRIBE Manual information for project teams \(SHFN 30 Part A\)](#)
- [HAI-SCRIBE Implementation strategy and assessment process \(SHFN 30 Part B\)](#)
- [HAI-SCRIBE question sets and checklists \(SHFN 30 Part C\)](#)
- [Adult in-patient facilities \(SHPN 04-01\)](#)
- [In-patient accommodation - supp 1 - Isolation facilities in acute settings \(SHPN 4 sup 1\)](#)

5.4 Physical distancing

Physical distancing requirements remain in care homes, prisons and social community and residential care settings. The full guidance requirements for physical distancing in these areas are laid out in Appendix 18 of the NIPCM.

Across all other settings, the requirements for physical distancing will cease and is no longer required for healthcare workers, patients/service users or visitors. However, where services wish to continue physical distancing they may choose to do so particularly in settings where staff have to remove their FRSM and a COVID-19 exposure event has the ability to result in high staff isolation numbers/significant service impact.

It is important to note that overcrowding in any area of a healthcare facility including inpatient areas, waiting areas and outpatient departments increases transmission risk for respiratory viruses including COVID-19 and it is important to remain mindful of the volume of people in a space at any one time taking account of HCWs, patients and visitors. Settings must not return to pre pandemic practices which facilitated overcrowding and steps should be taken to prevent this.

Inpatient beds including those on the respiratory pathway must meet minimum bed spacing requirements.

Across ALL settings there is still a requirement to adhere to extended use of face masks guidance outlined in section 5.15.1.

5.5 General Infection Prevention and Control (IPC) information

SICPs covered in this chapter are to be used by all staff, in all health and care settings, at all times, for all service users whether infection is known to be present or not to ensure the safety of those being cared for, staff and visitors in the care environment.

SICPs are the basic infection prevention and control measures necessary to reduce the risk of transmission of infectious agent from both recognised and unrecognised sources of infection. More information can be found in [chapter 1 of the NIPCM](#).

SICPs may be insufficient to prevent cross transmission of specific infectious agents. Therefore, additional TBPs are required to be used by staff when caring for service users with a known or suspected infection or colonisation. More information can be found in [chapter 2 of the NIPCM](#).

Care Home Settings – General IPC Information

Care homes can find more information on SICPs and TBPs specific to the care home setting within the [Care home IPCM](#)

The additional TBPs required for different infectious pathogens vary depending on the route by which they are transmitted. Respiratory pathogens can be transmitted by the following;

- Contact transmission

- Droplet transmission
- Airborne transmission

The NIPCM also contains an A-Z list of pathogens and stipulates the mode of transmission for each.

5.6 Case definitions and symptomology

Case definitions for COVID-19 have been widely used throughout the course of the pandemic and these will continue to be used going forward.

Establishing which symptoms are a result of COVID-19 and which symptoms are a result of another respiratory virus is often not possible. Respiratory testing is the only way to identify the causative pathogen.

The case definitions being used across the UK reflects current understanding from the epidemiology available and may be subject to change. Case definitions can be found below.

5.6.1 Definition of a confirmed COVID-19 case

A person with laboratory confirmed detection of SARS-CoV-2 by PCR in a clinical specimen

Things to note:

- It is important to know where a PCR test is processed (e.g. tests may have been carried out in non-NHS laboratories. A list of non-NHS laboratories which have agreements in place with their local NHS laboratory can be accessed by emailing nss.nlpq@nhs.scot). Results from non-NHS laboratories that are not aligned with their local NHS laboratories or UK-accredited need to be risk assessed or the test repeated.
- A positive PCR test may be due to fragments of the virus being present following infection in the previous 90 days

5.6.2 Definition of a probable COVID-19 case

A person with a positive rapid diagnostic test (including POCT) or LFD test – patients with a positive rapid diagnostic test or LFD test must have a follow up COVID-19 PCR test.

5.6.3 Definition of a possible COVID-19 case

A person presenting recent onset of one or more of the following cardinal COVID-19 symptoms:

- new continuous cough
- fever/temperature $\geq 37.8^{\circ}\text{C}$
- loss of, or change in, sense of smell (anosmia) or taste (ageusia).

A wide variety of additional **clinical signs and symptoms** have also been associated with COVID-19. Fever may not be reported in all symptomatic people and cases may also be asymptomatic. It is important to take into account atypical and non-specific presentations in older people with frailty, those with pre-existing conditions and those who are immunocompromised. ([further information on presentations and management of COVID-19 in older people and Scottish Government](#) and [Appendix 1 :Think COVID: Covid-19 Assessment in the Older Adult - Checklist](#)).

Individuals must be assessed for bacterial sepsis of other causes of symptoms as appropriate.

5.6.4 Symptoms associated with other respiratory pathogens (Some of these symptoms will occur in individuals with COVID-19)

There are a number of symptoms associated with respiratory infection and the most common symptoms are listed below;

- Pyrexia (fever)
- Rhinorrhea (Runny nose)
- Congestion in the nasal sinuses or lungs
- Sore throat
- Cephalgia (headache)
- Coughing
- Sneezing
- Breathlessness

- Anosmia (Loss of sense of smell)
- Ageusia (Loss of sense of taste)
- Wheezing or chest tightness
- Myalgia (Muscle aches)
- Fatigue (Tiredness)
- Dyspnea (Shortness of breath)

These should be considered by clinicians'/care givers in conjunction with other underlying health conditions and any atypical symptoms associated with a possible respiratory virus/infection to determine whether the service user may have a respiratory pathogen requiring application of TBPs.

5.6.5 Vaccination definition

Vaccination status impacts on IPC only for adults and is defined as;

Fully vaccinated: An adult (18 years and 4 months or older) who has had three doses of MHRA approved vaccines; either through completing a two-dose course of approved vaccine and received a booster, or three doses of an approved vaccine (e.g. in the case of someone who is immunocompromised), at least 14 days prior to their contact with the index case, where day 1 is the day of the most recent vaccination.

Where an individual has been fully vaccinated (as defined above) while participating in a formally approved COVID-19 vaccine clinical trial they should be treated as those who are fully vaccinated.

5.7 Respiratory screening assessment to determine transmission risk

The process of respiratory screening assessment will vary dependant on both the health and care facility and the type of service provision but wherever possible, respiratory screening questions should be undertaken by telephone **prior** to an arranged arrival at the facility for all service users and any accompanying carers. If this is not possible, then these questions should

be asked on arrival at reception. This will help inform the clinical/care team of service user respiratory status and potential associated risk before face to face consultation should this be deemed appropriate. If respiratory screening is undertaken prior to arrival at a health and care facility, and if the service user answers 'no' to all of the respiratory screening questions, the service user should be reminded to inform a staff member should any symptoms develop prior to attendance at the facility.

Below are the required respiratory screening questions determined by setting;

Table 2 provides respiratory screening questions for care homes, prisons and social community and residential care settings.

Table 3 provides respiratory screening questions for all inpatient settings

Table 4 provides respiratory screening questions for all outpatient and primary care settings including dentistry

Archived for information only

Table 2: Respiratory Screening Questions for use in care homes, prisons and social community and residential care settings

The screening questions below apply to all service users and anyone accompanying the service user to a healthcare facility e.g. parent, carer.

COVID-19 Screening question	Yes	No
<p>Do you or any member of your household/family have a confirmed diagnosis of COVID-19 diagnosed in the last 10 days?</p> <p>NB: Any person who has previously tested positive for SARS-CoV-2 by PCR should be exempt from being re-tested within a period of 90 days from their initial symptom onset, or the first positive test, if asymptomatic, unless they develop new possible COVID-19 symptoms. This is because fragments of inactive virus can be persistently detected by PCR in respiratory tract samples for some time following infection.</p>		
Do you or any member of your household/family have suspected COVID-19 and are waiting for a COVID-19 test result?		
Have you travelled internationally in the last 10 days to a country that is on the government red list?		
Have you had contact with someone with a confirmed diagnosis of COVID-19, or been in isolation with a suspected case in the last 10 days?		
<p>Do you have any of the following symptoms;</p> <ul style="list-style-type: none"> • High temperature or fever? • New, continuous cough? • A loss or alteration to taste or smell? 		

If the service user answers 'Yes' to any of the COVID-19 screening questions above, place on the respiratory pathway. If service user answers 'No' to all of the COVID-19 screening questions above, proceed to general respiratory screening questions below.

General respiratory screening questions	Yes	No
Do you have any new or worsening respiratory symptoms not already mentioned which suggest you may have a respiratory virus? *1		
Have you had a laboratory test confirmed respiratory virus/infection such as Influenza in the last 10 days?*2		

*1 **Note for healthcare workers (HCWs) in relation to respiratory symptoms;**

List of respiratory symptoms below may indicate a respiratory virus/infection;

Rhinorrhea (Runny nose)

- Congestion in the nasal sinuses or lungs
- Sore throat
- Sneezing
- Coughing

The following can also be symptoms of a respiratory virus but may also be related to a non-respiratory cause therefore caution should be applied in allocation of these patients to the respiratory pathway in the absence of any symptoms noted above.

- Breathlessness
- Wheezing or chest tightness
- Myalgia (Muscle aches)
- Fatigue (Tiredness)
- Dyspnea (Shortness of breath)

*2 If the service user advises of having had a test positive pathogen in the last 14 days, they should be placed according to the infective period for that specific pathogen and an assessment of any ongoing infectivity. Refer to A-Z of pathogens for details of individual pathogens.

If the service user answers 'Yes' to any of the COVID-19 or the respiratory **symptoms** questions, place on the respiratory pathway.

*COVID-19 screening questions are separated to recognise potential asymptomatic carriage of this pathogen.

It may also be useful to collect information on the service user's vaccination status including the date vaccination was received if available.

Table 3: Respiratory Screening Questions for use in inpatient settings with exception of care home, prisons, social community and residential care settings – these settings should refer to table 2

The screening questions below apply to all service users

COVID-19 Screening question	Yes	No
<p>Have you had a confirmed diagnosis of COVID-19 in the last 10 days?</p> <p>If the individual answers YES proceed to respiratory pathway. A laboratory based PCR test does not need to be repeated if there is evidence of a positive PCR in the last 10 days.</p> <p>If the individual answers NO, proceed to next question;</p> <p>NB: Any person who has previously tested positive for SARS-CoV-2 by PCR should be exempt from being re-tested using PCR tests within a period of 90 days from their initial symptom onset, or the first positive test, if asymptomatic, unless they develop new possible COVID-19 symptoms. This is because fragments of inactive virus can be persistently detected by PCR in respiratory tract samples for some time following infection</p>		
<p>Do you have any of the following symptoms;</p> <ul style="list-style-type: none"> • High temperature or fever? • New, continuous cough? • A loss or alteration to taste or smell? • Any other symptoms of a respiratory virus? <p>If the individual answers YES, proceed to respiratory pathway and undertake a laboratory based PCR test. A Rapid Diagnostic Test (including POCT) or LFD may also be undertaken in addition to a laboratory based PCR test to support rapid patient placement assessment on the respiratory pathway.</p> <p>If the individual answers NO, proceed to next question;</p>		
<p>Have you had contact with someone with a confirmed diagnosis of COVID-19 in the last 10 days?</p> <p>If individual answers YES, and where they are asymptomatic of respiratory viral symptoms, undertake a laboratory based PCR test or optionally a Rapid Diagnostic Testing (including POCT) or LFD test. If negative, the patient may proceed on the non-respiratory pathway and undertake daily testing for 10 days from the date of exposure</p>		

COVID-19 Screening question	Yes	No
<p>If COVID-19 positive on admission or at any point during the subsequent 10 days, proceed to respiratory pathway.</p> <p>If the individual answers NO, undertake a laboratory based PCR test or optionally Rapid Diagnostic Test (including POCT) or LFD test. If COVID-19 negative, proceed to non respiratory pathway. If COVID-19 positive, proceed to respiratory pathway and undertake a follow up laboratory based PCR test.</p>		

Table 4: Respiratory Screening Questions for use in outpatient departments and primary care settings including dentistry

The screening questions below apply to all service users

COVID-19 Screening question	Yes	No
<p>Have you had a confirmed diagnosis of COVID-19 in the last 10 days?</p> <p>If the individual answers yes, consider delaying appointment where the matter is non urgent. Where appointment must proceed, do so via the respiratory pathway.</p> <p>If the individual answers no, proceed to next question;</p>		
<p>Do you have any of the following symptoms;</p> <ul style="list-style-type: none"> • High temperature or fever? • New, continuous cough? • A loss or alteration to taste or smell? • Any other symptoms of a respiratory virus? <p>If the individual answers yes, consider delaying appointment where the matter is non urgent. Where appointment must proceed, do so via the respiratory pathway.</p> <p>If the individual answers no, proceed to next question;</p>		
<p>Have you had contact with someone with a confirmed diagnosis of COVID-19 in the last 10 days?</p> <p>If individual answers yes, clinicians to undertake individual risk assessment to determine if it is appropriate to go ahead with the planned appointment and take account of daily LFD testing requirements in the community. Where the appointment takes place as planned, the patient may be placed on the non-respiratory pathway</p>		

COVID-19 Screening question	Yes	No
provided daily LFDs are negative including an LFD taken on the day of the appointment.		



Primary Care and Community Health and Social Care settings – Respiratory screening questions & triage

If following telephone consultation, the individual meets criteria for the respiratory pathway and if the matter is non urgent, face to face consultation should be deferred until the COVID-19 self-isolation period has elapsed or until non COVID-19 respiratory viral symptoms have resolved. Health and care professionals should see individuals face to face or via remote consultation, whichever is felt most appropriate where they have deemed further clinical assessment is required. If it is necessary to review individuals on the respiratory pathway by means of a face to face consultation (regardless of the presenting problem) then they should be advised of the most suitable way to transfer to the facility, enter the health and care facility, and on arrival, should be directed to a suitable waiting area identified for symptomatic individuals.

NB: children with mild bronchiolitis and lower respiratory tract infections should be managed in primary care settings where possible to ensure a holistic primary care assessment. Planning should include the implementation of locally appropriate models of care enabling secondary care clinicians to support primary care colleagues. The expectation should be that children with mild and moderate bronchiolitis or lower respiratory tract infection are initially reviewed in primary care settings.

For patients who have been identified as a contact of a COVID-19 case, an individual risk assessment should be undertaken to determine if it is appropriate to go ahead with the planned appointment and this should take account of daily LFD testing requirements in the community. Where the appointment takes place as planned, the patient may be placed on the non-respiratory pathway provided daily LFDs are negative including an LFD undertaken on the day of the appointment.

If providing a home visit, staff should contact the individual by telephone at home prior to the visit to undertake the respiratory screening if time allows. These should be repeated on arrival at the individual's home. If an individual lacks ability to answer questions by

telephone, an assessment should be made on arrival ensuring that a Type IIR FRSM is worn. If this is not possible, treat as having respiratory viral symptoms until a direct assessment can be made by the care provider. [Scottish Government advice on providing care at home](#) is available.

Individuals living in residential facilities should be closely monitored for onset of respiratory viral symptoms by local care staff.



Dental settings – Respiratory screening questions & triage

If following telephone consultation, the patient meets criteria for placement on the respiratory pathway, and if the matter is non urgent, face to face consultation should be deferred until the COVID-19 self isolation period has elapsed or other non COVID-19 respiratory viral symptoms have resolved. If the matter is urgent, the patient may be seen within the dental setting but ideally should be provided with an appointment at the end of the day/session to reduce any post Aerosol Generating Procedure (AGP) follow time (if an AGP is performed) impacting on the remaining patient consultation list.

For patients who have been identified as a contact of a COVID-19 case, an individual risk assessment should be undertaken to determine if it is appropriate to go ahead with the planned appointment and this should take account of daily LFD testing requirements in the community. Where the appointment takes place as planned, the patient may be placed on the non-respiratory pathway provided daily LFDs are negative including an LFD undertaken on the day of the appointment.

See section 5.15.6 Determining the IPC precautions required for AGPs.



Secondary Care settings – Respiratory screening and triage questions

Patients should be assessed for respiratory symptoms at the earliest opportunity to direct them to the safest route within the facility in line with the respiratory screening questions.

SAS staff should undertake the respiratory screening questions prior to arrival at the receiving Emergency Department and accompany the patient to the appropriate waiting area dependant on outcome.

It is recognised that patient placement will be dependent on clinical need in addition to respiratory status. Where a patient with respiratory symptoms cannot be placed in the

respiratory cohort for clinical reasons, avoid placing the patient next to anyone high risk and previously considered to be on the shielding list, keep curtains pulled as a physical barrier if safe to do so and ensure thorough cleaning as per respiratory care pathway described in the [environmental cleaning section](#).

Reception areas must display signage encouraging service users to report respiratory symptoms immediately on arrival and reception staff should ask all service users on arrival using the [respiratory screening questions](#) regardless of the reason for presentation at the facility and where it is safe to do so without delaying any lifesaving interventions.

Only the service user requiring a consultation should attend health and care facilities unless a carer or escort is required.

5.8 Placement and management of a service user with respiratory symptoms

The COVID-19 patient pathways/categories will now be replaced with a respiratory pathway. This is determined as a route to which patients symptomatic of respiratory infection should be directed.

The pathway should be further split into appropriate cohorts determined by presenting symptoms and when available, test results to determine the causative pathogen. Rapid Diagnostic Testing (including POCT) or LFD testing may be undertaken in addition to a laboratory based PCR test to support rapid patient placement assessment on the respiratory pathway.

Entrances to facilities must clearly display the requirement for individuals entering the facility to don a face covering and alcohol based hand rub (ABHR) should be provided for use prior to entry for those who are able to do so.

Waiting areas should be segregated with an area set aside for use by service users who present with respiratory symptoms. Markers to identify segregation should be clear and service users must be advised not to circulate around waiting areas and remain seated until called. Cleaning within waiting areas segregated for respiratory patients should be undertaken as laid out in [environmental cleaning section](#). Removing toys and books may help prevent children circulating in these areas and instead parents may be advised to bring a toy or book belonging

to the child to help keep them occupied during the wait time. Children should be supported by parents/carers with [hand](#) and [respiratory hygiene](#).



Primary Care and Community Health and Social Care settings – Patient/Individual Service user placement

Health and care facilities should identify in advance areas/routes/consultation rooms for individuals who require to follow the respiratory pathway and who have been assessed as requiring a face to face consultation. It is recognised that some small practices will not have space to facilitate separate waiting areas for individuals on the respiratory pathway. In this case, a local risk assessment should be undertaken to determine how best to manage these individuals and whether it is suitable for them to attend for face to face consultations.

Where possible, consultation/treatment rooms should be identified for placement of individuals who require placement on the respiratory pathway. Some health and care facilities may be very small with limited consultation rooms and the ability to dedicate a room to respiratory individuals may not be possible. If this is the case, consider allocating respiratory cases to the end of a session. Ensure cleaning of touch surfaces within the consultation room is undertaken thoroughly immediately after the patient/individual leaves the room. Particular attention should be paid to anything touched by the individual and anything within short range of individuals who are coughing/sneezing.



Primary Care and Community Health and Social Care settings – Individual Service user placement in residential facilities

All admissions from the community to a residential health and care setting should be assessed first by the health and care setting team using the [respiratory screening questions outlined above for care homes, prisons and social community and residential care settings](#). This applies to all types of residential health and care setting admissions (including for respite).

For those residents who are displaying respiratory symptoms, the admission should be delayed if possible until they have completed their COVID-19 self-isolation period, OR if COVID-19 negative, until symptoms are resolving provided the admission is non urgent.

If the admission cannot be delayed, a local risk assessment should be conducted with the support of the local HPT to ensure all necessary mitigations can be accommodated for the individual as well as other residents, some of whom may be more vulnerable to COVID-19, in as safe a manner as possible. See [PHS Social Care and Residential Care COVID-19 guidance](#) for further information on admissions to these settings including for respite.

Isolation of a resident within their own room, if required, would ideally include provision of meals to their room, en suite facilities if available and measures to prevent the sharing of communal items and spaces. In some settings where there are limited vulnerabilities amongst the residential group, full isolation may not be required and the suspected/confirmed COVID-19 case may follow general population advice for self isolation.

Only essential staff wearing appropriate PPE should enter the rooms of residents with respiratory symptoms. All necessary care should be carried out within the resident's room.



Dental settings – Patient Service user placement

Where possible, waiting areas should be segregated with an area set aside for use by patients who require placement on the respiratory pathway. Markers to identify segregation should be clear and patients must be advised not to circulate around waiting areas and remain seated until called. Cleaning within areas segregated for the respiratory pathway should be undertaken as per guidance laid out in [environmental cleaning section](#).

It is recognised that some small practices will not have space to facilitate separate waiting areas for patients on the respiratory pathway. In this case, a local risk assessment should be undertaken to determine how best to manage these patients e.g. wait in car until called or schedule for end of a session, or whether it is suitable for them to attend for face to face consultations.

Dental services should identify in advance areas/routes/consultation rooms for patients who are required to be placed on the respiratory pathway and who have been assessed as requiring treatment. Ideally, these patients should be seen at the end of the day/session to reduce any post Aerosol Generating Procedure (AGP) follow time (if an AGP is performed) impacting on the remaining patient consultation list. Where space

allows, a dedicated consultation/treatment rooms should be identified for placement of patients on the respiratory pathway. Some dental practices may be very small with limited consultation rooms and the ability to dedicate a room to respiratory patients may not be possible.



Secondary care settings - Inpatient placement

At the point of admission to the facility it is unlikely to be known what pathogen is the cause of respiratory symptoms. Respiratory pathways should be developed in hospitals in a bid to separate patients with respiratory viral symptoms/confirmed respiratory pathogen from all other patients as far as possible. Respiratory pathways may be dedicated wards, dedicated bed bays within wards or individual single rooms within wards.

Patients with suspected or known respiratory viruses should be placed in a single side room. Where single side rooms facilities are lacking, patients with the same confirmed pathogen should be cohorted together. Laboratory based PCR test or optionally Rapid Diagnostic Testing (including POCT) or LFD testing may be used to help support patient placement risk assessments on the respiratory pathway.

Where test results are not yet available to determine the viral pathogen causing the respiratory symptoms it may be necessary to cohort suspected respiratory infections together in the same multi bed bay. NB: This carries the risk of transmitting multiple respiratory viruses to multiple patients and should be avoided wherever possible and only used as a last resort during times of extreme bed pressures.

The following principles should be followed when considering cohorting of respiratory cases still awaiting test results;

- Ensure a respiratory screen including COVID-19 has been undertaken ideally prior to entry into the cohort or at the earliest opportunity.
- Laboratory based PCR testing or optionally Rapid Diagnostic Testing (including POCT) or LFD testing may be used to help support patient placement risk assessments.
- Ensure the beds within the multi bedded area are [adequately spaced](#)

- Ensure patients are provided with a Type IIR FRSM to wear where tolerated
- Ensure there are adequate hand hygiene facilities for staff and patients
- Advise all patients to remain within their bed space at all times
- Ensure patients are advised of good [respiratory etiquette](#) and are provided with tissues and waste disposal bags.
- Where safe to do so, curtains could be drawn between patients to create a barrier

Patients who should not be placed in multi bed bay cohorts;

- Patients considered [high risk and previously on shielding list](#)
- Patients undergoing an [AGP](#)
- Patients known to have another known infectious pathogen or symptoms of a suspected infectious pathogen e.g. C.difficile, Norovirus, loose stools, MRSA
- Patients who are unlikely to comply with the requirements of the cohort described above

Patients on the respiratory pathway who require AGPs should be prioritised for a single side room. Critical care areas and wards where AGPs are undertaken more routinely should also prioritise single side rooms for those with on the respiratory pathway undergoing AGPs. However, where single side room capacity is lacking and patients with respiratory symptoms on the unit increases, unit-wide application of airborne precautions should be considered where all the patients in the same bed bay are test positive for the same respiratory pathogen. Where patients are positive for different respiratory pathogens there is a risk of transmission of multiple pathogens to multiple patients.



Secondary Care Settings – Paediatric inpatient placement

The principles applied within this guidance aim to mitigate the risk of transmission of all respiratory viruses including RSV. The UK are experiencing a surge in RSV cases amongst the paediatric population this winter season and RSV season has commenced earlier than previous years.

Many paediatric settings will have well established RSV pathways. Wherever possible, both COVID-19 and RSV point of care testing should be undertaken as a minimum on admission to help allocate patient placement and ensure that cohorts of RSV are segregated from cohorts of COVID-19. See also cohorting principles for secondary care inpatients above.

Regardless of the infectious pathogen detected, whilst the patient is symptomatic, they should be managed in line with the TBPs within this guidance. If single room capacity is limited/ being exceeded, prioritise clinically vulnerable children to a single room (See [RCPCH guidance](#) on clinically extremely vulnerable children). Children with bronchiolitis requiring a continuous AGP should be prioritised to a single room over those not requiring a continuous AGP if possible.

When children require an inpatient stay, local policy should be followed regarding resident carers. Education and written information for resident carers should be made available regarding respiratory virus, local policies, and include use of communal facilities, face coverings (unless exempt), hand hygiene and PPE.



Secondary Care Settings - Elective care pre admission planning

Whilst the COVID-19 pandemic continues, it is important that any risk associated with acquiring COVID-19 pre/intra/post operatively for patients being admitted for elective surgical procedures be reduced as far as possible. Some studies have shown that patients diagnosed with COVID-19 around the time of a surgical procedure have a higher than predicted mortality however, it is not possible to determine precise risk for each individual patient. In advance of patients attending for elective surgery they should be advised of ways in which they may be able to reduce their post-operative risk. The following patient information leaflet explains some of the risk reduction measures and can be provided to patients in advance of their planned admission alongside testing advice.

Appendix 19 of the NIPCM provides details of Elective Surgery IPC principles which have been developed in conjunction with the Scottish COVID-19 Clinical cell and aim to reduce COVID-19 transmission risk during the ongoing COVID-19 pandemic. These should be read alongside the patient information leaflet accessed [here](#).



Care Home Settings – Admissions and resident placement

Full guidance for admission to a care home during the COVID-19 pandemic can be found in [PHS COVID-19: Information and Guidance for Care Home Settings \(Adults and Older People\)](#).

Any resident who answers yes to any of the [respiratory screening questions for care home settings](#) should be placed in their own individual room until a full assessment can take place to determine the cause.

Where single rooms are limited cohorting may be considered. Cohorting in care homes should be undertaken with care. Residents who are high risk and previously considered to be on the [shielding list](#) must not be placed in cohorts and should be prioritised for single occupancy rooms.

Where all single room facilities are occupied and cohorting is unavoidable, then cohorting could be considered in conjunction with the local Health Protection Team (HPT).

- Residents who are awaiting test results to confirm which pathogen is causing respiratory symptoms, should not be placed together in cohorts if at all possible
- Ensure a respiratory screen including COVID-19 has been undertaken ideally prior to entry into the cohort or at the earliest opportunity.
- Ensure residents are provided with a Type IIR FRSM to wear where tolerated

5.8.1 Staff cohorting

Efforts should be made as far as reasonably practicable to dedicate assigned teams of staff to care for service users on the respiratory pathways where TBPs are applied.

There should be as much consistency in staff allocation as possible, reducing movement of staff and the crossover between the respiratory pathway and all other service users.

Rotas should be planned in advance wherever possible, to take account of the respiratory pathway and staff allocation.

For staff groups who need to go between pathways, efforts should be made to see service users on the non-respiratory pathway first.

Type IIR FRSMs should be changed if wet, damaged, soiled or uncomfortable and must be changed after having provided care for a service user with any other suspected or known infectious pathogens and when leaving respiratory pathway areas.

5.8.2 Transfer of service users with respiratory symptoms/confirmed respiratory pathogen

Wherever possible, service users with respiratory symptoms or a confirmed respiratory pathogen should remain on the respiratory pathway until they meet criteria for [discontinuation of precautions](#). There may however be instances where it is necessary to transfer a service user whilst TBPs are ongoing including;

- The service user no longer requires critical care and the critical care bed is required for another patient
- The service user requires escalation of care to a secondary care facility or a critical care unit
- The service user requires urgent treatment in a regional specialist unit and postponement would have a detrimental effect on the patient and the care cannot be provided on the ward they currently reside in
- The service user requires an urgent procedure or investigation to be undertaken and postponement would have a detrimental effect on the individual

Communication with the receiving department/NHS Board/Care provider is vital to ensure appropriate IPC measures are continued during and after transfer. The service user must continue to be managed on the respiratory pathway. Communications must include;

- Service user symptom onset date
- Service user positive test date (if confirmed)
- Causative pathogen if known
- Date when service user may [discontinue TBPs](#)
- Current symptom status and any test results still awaited

- Any service user details which prevent or impact on the TBPs required i.e. falls risk requiring door to remain open, service user does not adhere to isolation
- Confirm if local IPCT (or HPT where appropriate) has been informed of transfer

Ensure transferring ambulance or portering staff are advised of the necessary precautions required for PPE and decontamination of transfer equipment.

There is no need to test the service user again on transfer provided symptomatic cases have already had a test taken where the health and care setting has the ability to do so.

5.8.3 Day /Overnight Pass

Service users who have been allowed to leave the healthcare facility for the day or for an overnight stay should be assessed using the respiratory screening questions in advance of their immediate return to the facility and again on arrival at the facility to determine any known or potential exposure whilst out of the healthcare facility on pass and subsequently which pathway they should be placed on.

5.9 Respiratory Testing for service users

In order to ensure prompt safe placement and treatment of service users with respiratory symptoms, testing will help to inform the clinical/care team of the causative pathogen. This will help to avoid placing multiple service users with different respiratory pathogens in the same room for extended periods of time risking transmission of multiple pathogens between service users. Testing for other respiratory pathogens beyond SARS-CoV-2 may not be routinely necessary in all settings such as residential care areas and care homes.

5.9.1 COVID-19 testing

To ensure patients are placed appropriately within health and care settings, COVID-19 testing is required. Rapid Diagnostic Tests (including POCT) or LFD tests may now be used in some health and care settings (see sector specific content below) to help determine any requirements for transmission based precautions and to support IPC risk assessments including patient placement, patient transfers, management of contacts and outbreak management. The use of rapid diagnostic tests (including POCT) or LFD) described throughout this guidance is an option available to NHS Boards where they can be operationalised at a local level and have the

ability to ease service pressures and patient flow (Refer to section 5.2 Organisational preparedness)

COVID-19 test results should not be used as a standalone tool for risk assessment but in conjunction with symptom and clinical assessment.

Anyone who has previously tested positive for SARS-CoV-2 by PCR should be **exempt from being re-tested using PCR within a period of 90 days** from their initial symptom onset, or the first positive test, if asymptomatic, unless they develop new possible COVID-19 symptoms. This is because fragments of inactive virus can be persistently detected by PCR in respiratory tract samples for up to 90 days following infection.

If an asymptomatic person is inadvertently re-tested and tests positive by PCR within 90 days of a previous positive test result, a risk assessment will likely conclude there is no need to do a confirmatory PCR, isolate or contact trace again, as long as the person with the repeat positive test:

- remains asymptomatic;
- is not a contact of a confirmed case (in which case reinfection must be considered);

See section for determining the precautions required for AGPs and the associated testing.



Primary Care and Community Health and Social Care settings – COVID-19 testing

If an individual has COVID-19 symptoms they should visit the [NHS inform website](#) for advice on testing and self isolation.

GPs who have arranged a face to face consultation with an individual who has symptoms of COVID-19 should proceed following the respiratory pathway and following treatment, and advise that they visit [NHS Inform for advice on testing](#) if they have not already done so.



Dental settings – COVID-19 testing

Dental teams who have arranged a face to face consultation with a patient which cannot be postponed and who has symptoms of COVID-19 should proceed following the respiratory pathway and following treatment, advise that the patient should visit [NHS Inform for advice on testing and self isolation](#) if they have not already done so.



Secondary care Settings – COVID-19 testing

Testing requirements within secondary care settings are as follows;

- All admissions with respiratory viral symptoms should have a laboratory based PCR test undertaken on admission. A Rapid Diagnostic Test (including POCT) or LFD test may also be performed in addition to a laboratory based PCR test to support rapid patient placement assessments for the respiratory pathway.
- All admissions with absence of respiratory symptoms should have a laboratory based PCR or optionally a Rapid Diagnostic Test (including POCT) or LFD test on admission. Repeat testing on day 5 of admission may be undertaken if agreed necessary following a risk assessment by the local NHS Board. Efforts should be made to determine vaccination status on admission to hospital. Individuals who are not fully vaccinated have the greatest risk of negative outcomes should they acquire COVID-19 and therefore, where a patient is known to be unvaccinated, NHS Boards may choose to undertake a follow up laboratory based PCR test.
- A new respiratory screen including a laboratory based PCR test must be performed at any point in the inpatient stay if new onset of respiratory symptoms are recognised or there is a clinical indication to do so. A Rapid Diagnostic Test (incl POCT) or LFD may be used in addition to laboratory based PCR to support rapid patient placement decisions.

A table containing a [summary of testing requirements in NHS Scotland](#) is available. When using this table the following applies;

- Screening undertaken out with national programmes which are detailed at the links above should be based on decision of clinical services e.g. screening in critical care settings.



Care home settings – COVID-19 testing

Guidance on COVID-19 testing in care home settings can be found in the [PHS COVID-19: Information and Guidance for Care Homes \(Adults and Older People\)](#).

5.9.2 Testing for other respiratory pathogens

It may be necessary to test for other respiratory pathogens including COVID-19 to support service user placement but also ensure optimal treatment provision.

GPs may choose to perform a respiratory screen on an individual if clinical assessment indicates this is necessary. If so, they should continue to do so via routine processes. There is no expectation to perform respiratory testing in primary care, or dentistry beyond routine processes indicated by clinical assessment.



Secondary Care settings – Testing for other Respiratory Pathogens

On arrival at a secondary care facility, all patients should have COVID-19 testing performed as per section 5.9.1.

Clinical teams may choose to perform a full respiratory screen if clinical assessment indicates this is necessary to support diagnosis.



Care Home Settings – Testing for other Respiratory Pathogens

Residents who test negative for COVID-19 but who have ongoing respiratory symptoms do not routinely require any additional testing. However, should a resident require a consultation with a GP, the GP may choose to perform a full respiratory screen if a clinical assessment indicates this is necessary. Or if there is considered to be a cluster of cases and these are COVID-19 negative then additional testing by multiplex PCR can be performed to identify the pathogen.

Where respiratory screens are performed and the service user tests positive for COVID-19 within 90 days of previous positive test, this will require careful consideration and interpretation by clinicians with microbiology support where required.

5.10 Respiratory screening for HCWs

HCW COVID-19 testing continues in some settings. Detailed information on respiratory screening for HCWs can be found on the [Scottish Government website](#).

There is no requirement for any other respiratory pathogen beyond COVID-19 screening amongst HCWs unless recommended by an Incident Management Team, HPT, or occupational health.



Respiratory screening for Health and care workers – care home settings

Information on COVID-19 testing amongst care home workers can be found in the [PHS Care home guidance](#).

Care home staff should use the COVID testing portal - see <http://www.covidtestingportal.scot> to arrange this.

5.11 Duration of Transmission Based Precautions for respiratory pathogens (excl COVID-19)

Before control measures are stepped down for respiratory pathogens, clinical teams and care teams must first consider any ongoing need for TBPs necessary for any other alert organisms, e.g. MRSA carriage or *C. difficile* infection, or other symptoms suggestive of possible infection such as diarrhoea.

The A-Z of pathogens within the NIPCM details the duration of TBPs required for individual pathogens where this information is available. Clinical teams and care teams should refer to this before any TBPs are discontinued. [Duration of precautions for COVID-19](#) are given in more detail. A more cautious approach is taken when considering when to discontinue precautions for individuals with COVID-19 during the ongoing pandemic.

5.12 Duration of transmission based precautions for COVID-19

It is important to note that service users with COVID-19 deemed clinically fit for discharge **can and should** be discharged before resolution of symptoms.

The tables below set out number of isolation days required, the clinical requirements for discontinuing TBPs and any testing required.

Table 5: Duration of precautions for hospital inpatients remaining in hospital and residents in residential care areas

Hospital Inpatients and residents in residential settings	Number of isolation days required	COVID-19 Clinical requirement for stepdown	Testing required for stepdown
Hospital Inpatients (including critical care patients)	10 days from symptom onset (or first positive test if symptom onset undetermined). Ceasing isolation before 10 days is possible pending clinical and testing criteria laid out in 'testing required for stepdown' column.	Clinical improvement with at least some respiratory recovery. Absence of fever (>37.8oC) for 48 hours without use of antipyretics.	Not routinely required for inpatients isolating for 10 days. Testing may be used to cease TBPs sooner where clinical criteria is met and where 2 negative tests are achieved 24 hours apart. If either tests are positive, isolation must continue to 10 days *1. Testing is not required beyond 10 days to cease TBPs provided clinical criteria met.
Residents in residential settings	10 days from symptom onset (or first positive test if symptom onset undetermined)	Clinical improvement with at least some respiratory recovery. Absence of fever (>37.8oC) for 48 hours without use of antipyretics.	Not routinely required
Individuals severely Immunocompromised as determined by Chapter 14a of the Green Book	14 days from symptom onset (or first positive test if symptom onset undetermined)	Clinical improvement with at least some respiratory recovery. Absence of fever (>37.8oC) for 48	Local clinical teams may consider testing as part of the stepdown process and where

Hospital Inpatients and residents in residential settings	Number of isolation days required	COVID-19 Clinical requirement for stepdown	Testing required for stepdown
		hours without use of antipyretics. Individual risk assessment by clinical teams taking account of symptoms, clinical presentation, intended setting for stepdown.	undertaken, 1 negative test would be acceptable for stepdown.

*1 The residual risk of infection after a negative test on day 6 and 7 is similar to stepping down isolation precautions without testing at day 10. Starting testing earlier than day 6 slightly increases this risk, however organisations may wish to balance this risk against other potential harms to patients.

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Table 6: Stepdown requirements for inpatients being discharged from hospital

Discharging service users	Number of isolation days required	Does isolation need to be completed in hospital?	COVID-19 Clinical requirement for stepdown	Testing required for stepdown
<p>Patient discharging to a residential setting</p>	<p>10 days from symptom onset (or first positive test if symptom onset undetermined)</p> <p>If they have completed the 10 day isolation in hospital, no further isolation should be required on return/admission to the care home.</p>	<p>No. If a COVID-19 recovered patient is discharged to a care home before 10 day isolation has ended then 2 negative PCR tests are required before discharge at least 24 hr apart.</p> <p>If not completed 10 days isolation in hospital, they can do so in care home and do not require to start new isolation period on admission, nor require further testing.</p>	<p>Clinical improvement with at least some respiratory recovery. Absence of fever for 48 hours without use of antipyretics</p>	<p>If a COVID-19 recovered patient discharged to care home before 10 day isolation has ended then 1 negative PCR test is required preferably within 48 hours prior to discharge</p> <p>If not completed 10 days isolation in hospital, they can do so in care home and do not require to start new isolation period on admission, nor require further testing.</p> <p>See PHS COVID-19: information and guidance for care home settings for discharge testing details if the COVID-19 recovered patient has completed their 10 day isolation period in hospital</p>

Discharging service users	Number of isolation days required	Does isolation need to be completed in hospital?	COVID-19 Clinical requirement for stepdown	Testing required for stepdown
<p>Patients being discharged to their own home - General</p>	<p>10 days from symptom onset (or first positive test if symptom onset undetermined)</p> <p>Ceasing isolation before 10 days is possible pending clinical and testing criteria laid out in 'testing required for stepdown' column.</p>	<p>May revert to community stay at home guidance once discharged if isolation period has not been completed as an inpatient. Must be given clear advice for what to do if their symptoms worsen.</p>	<p>Clinical improvement with at least some respiratory recovery. Absence of fever for 48 hours without use of antipyretics.</p>	<p>Not routinely required for inpatients isolating for 10 days. Testing may be used to cease TBPs sooner where clinical criteria is met and where 2 negative tests are achieved 24 hours apart. *1</p> <p>If either tests are positive, isolation must continue to 10 days. Testing is not required beyond 10 days to cease TBPs provided clinical criteria met.</p>
<p>Patients being discharged to their own home – someone in household is severely immunocompromised or at risk of severe illness</p> <p>Chapter 14a of the Green Book</p>	<p>10 days from symptom onset (or first positive test if symptom onset undetermined)</p>	<p>Wherever possible, patient should be discharged to a different household from anyone immunocompromised or at severe risk of infection. If not possible – see 'testing required for stepdown' column.</p>	<p>Clinical improvement with at least some respiratory recovery. Absence of fever for 48 hours without use of antipyretics.</p>	<p>Testing for clearance is encouraged</p>

*1 The residual risk of infection after a negative test on day 6 and 7 is similar to stepping down isolation precautions without testing at day 10. Starting testing earlier than day 6 slightly increases this risk, however organisations may wish to balance this risk against other potential harms to patients.

5.12.1 Non COVID-19 discharges from hospital to care homes

All non-COVID-19 residents being discharged from hospital who are on the non respiratory pathway at point of discharge do not require to complete a period of self isolation on return to the care home provided they have a single negative COVID-19 test result in the 48 hours prior to discharge, have had no known exposure to a COVID-19 case in the 10 days prior to discharge and answer no to all of the respiratory screening questions prior to transfer.

A single negative result should be available preferably within 48 hours prior to discharge from hospital. The exception is where a resident is considered to suffer detrimental clinical consequence or distress if they were not able to be discharged to a care home. In these cases, the resident may be discharged to the care home prior to the test result being available and transmission based precautions applied on return to the care home until a negative test result is achieved.

If a resident is admitted to hospital for a single overnight inpatient stay, they do not require to complete a period of self isolation on return to the care home provided they answer no to all of the respiratory screening questions prior to transfer.

For further guidance on admission of COVID-19 recovered and non-COVID-19 residents from hospital or from community to a care home please refer to [PHS COVID-19: Information and Guidance for Care Home Settings \(Adults and Older People\)](#)

5.12.2 Management of contacts of COVID-19

In some settings (see setting specific content below) management of contacts in health and care settings may now align more closely with contacts in the general community. An individual who has had exposure to a case of COVID-19 may go on to develop COVID-19 with or without symptoms and this presents a risk of transmission to other users of health and care facilities. Measures should be taken as described below to reduce transmission risk associated with COVID-19 contacts.

Secondary care settings – Management of contacts of COVID-19

Patients who have an overnight admission within a hospital setting who have been identified as a contact of a confirmed case of COVID-19 either

- during their hospital inpatient stay,

- in the community and within the 10 days prior to admission to hospital

must be isolated or cohorted for 10 days from the date of exposure.

Replacing Transmission based precautions with daily testing

Where these are available, Laboratory PCR or optionally rapid diagnostic tests (including POCT) or LFD can be used to prevent the need to apply transmission based precautions for contacts.

For adult contacts who are asymptomatic of respiratory viral symptoms, **and** for all asymptomatic children and young persons aged 0 to 18 years and 4 months a daily Laboratory based PCR or optionally Rapid Diagnostic Test (including POCT) or LFD test should be performed for 10 days following the date of exposure. Application of transmission based precautions (TBPs) are only required should the test COVID-19 positive at any point and a follow up COVID-19 laboratory PCR undertaken. Whilst COVID-19 tests remain negative application of SICPs is sufficient and there is no need to isolate the contact.

Any patient who has been COVID-19 positive (confirmed by laboratory based PCR or Rapid Diagnostic Testing (including POCT) or LFD test) in the last 28 days does not need to be considered a contact should there be a subsequent exposure during that 28 period. Daily testing of these patients is therefore not required during this time period.



Primary Care and Community Health and Social Care settings – Management of contacts of COVID-19

Primary care services offering appointments should undertake an individual risk assessment of patients who have been identified as a contact of a COVID-19 case to determine if it is appropriate to go ahead with the planned appointment. This should take account of daily LFD testing requirements in the community. Where the appointment takes place as planned, the patient may be placed on the non-respiratory pathway provided daily LFDs are negative including an LFD undertaken on the day of the appointment. Care homes (see below), prison settings and social community and residential care settings still need to apply the 10 days' self-isolation period for contacts of COVID-19 cases even if they meet the contact self-isolation exemption community criteria. The 10 day self isolation period starts from the date of last exposure to the case.



Care home settings - Management of contacts of COVID-19

Residential care settings and care homes will also still need to apply the 10 days' self-isolation period for contacts of COVID-19 cases even if they meet the contact self-isolation exemption community criteria. The 10 days period starts from the date of last exposure to the case and should be agreed between the hospital and care home manager, supported by HPTs and include a negative PCR test. This precautionary approach recognises the vulnerability of the other residents living in the care home.

Any resident who has been COVID-19 positive (confirmed by PCR) in the last 28 days does not need to be considered a contact should there be a subsequent exposure during that 28 period. Daily testing is therefore not required during this time period.

5.12.3 HCWs isolation and exemption requirements

HCWs who test positive for COVID-19 must not report to work and must commence isolation in line with Self Isolation Policy for Health and Social Care Staff. If an LFD was undertaken whilst in the workplace and returns a positive result, the HCW must do a Type IIR FRSM (unless exempt), inform their line manager and go home immediately. If the PCR is COVID-19 positive, the HCW must self isolate at home for 10 days in line with advice on NHS inform.

Health and care staff who have been exposed to a case of COVID-19 should follow advice laid out in the Self Isolation Policy for Health and Social Care Staff.

If a COVID-19 PCR test is negative and the HCW remains symptomatic of a respiratory virus, they should consider the risk to service users if they are to return to work particularly if the service user they care for are immunosuppressed or otherwise medically vulnerable. If in doubt about any risk they may pose to patients or colleagues, this should be discussed with their line manager in the first instance.

5.13 Hand hygiene

Hand hygiene is considered one of the most important practices in preventing the onward transmission of any infectious agents including respiratory viruses. Hand hygiene should be performed in line with [section 1.2 of SICPs](#). Within this section you will find videos demonstrating how to perform a hand wash and how to perform a hand rub.



Care Home Settings – Hand Hygiene

Staff in care homes settings can refer to the [hand hygiene](#) section of the Care Home IPCM (CHIPCM) for older people and adult care homes for more information and resources specific to this setting.

5.14 Respiratory etiquette

Respiratory and cough hygiene is designed to minimise the risk of cross transmission of respiratory pathogens including COVID-19. The principles of respiratory and cough hygiene can be found in [section 1.3 of SICPs](#).

The '[Catch it, Bin it, Kill it](#)' poster can be downloaded.



Care Home Settings - Respiratory and cough hygiene

Staff in care homes settings can refer to the respiratory and [cough hygiene](#) section of the CH IPCM for older people and adult care homes for more information and resources specific to this setting.

5.15 PPE

PPE exists to provide the wearer with protection against any risks associated with the care task being undertaken. As part of SICPs, all staff undertaking in procedure, should assess any likely exposure and ensure PPE is worn that provides adequate protection against the risks associated with the procedure or task being undertaken. More information on PPE including donning and doffing resources can be found in the [NIPCM](#).



Care Home Settings - PPE

Staff within Care Homes can find more general information on [PPE](#) in the CHIPCM for Older People and Adult Care Homes. Staff in care homes must follow the PPE guidance below.

When caring for a service user who has respiratory symptoms PPE should be selected to protect against droplet or in some circumstances, airborne spread.

PPE must not be used inappropriately. It is of paramount importance that PPE is worn at the appropriate times, selected appropriately and donned and doffed properly to prevent transmission of infection.

PPE is the least effective control measure within the [hierarchy of controls](#) and other mitigation measures must be implemented and adhered to wherever possible.

5.15.1 Extended use of face masks for staff, visitors and outpatients

The extended use of facemasks by health and care workers and the wearing of face coverings by visitors and outpatients (unless exempt) is designed to protect staff and service users as part of the COVID-19 pandemic. This is because COVID-19 may be transmitted by individuals who are not displaying any symptoms of the illness (asymptomatic or pre-symptomatic).

- View further [Scottish Government guidance and associated FAQs](#).
- View a poster detailing the [‘Dos and donts’ of wearing a face mask](#).
- View a poster that supports the [wearing of a non-medical face mask/face covering](#).

In Scotland, staff are provided with Type IIR FRSM for use as part of the extended wearing of facemasks.



Primary Care and Community Health and Social Care settings – Face coverings for Individuals and service users

Any service users attending a health and care facility must wear a face covering in line with [Scottish Government guidance](#) unless exempt. Type II FRSM should be available should an individual or service user attend without a face covering.



Dental settings – Face Coverings for patients and service users

Any patient attending a health care facility must wear a face covering in line with Scottish Government [guidance](#) unless exempt. Type II FRSM should be available should a patient attend without a face covering.



Secondary care settings – Face masks for Inpatients

A facemask should be worn by all inpatients across all inpatient areas regardless of respiratory symptoms unless exempt and where it can be tolerated and does not compromise their clinical care for example when receiving oxygen therapy. All patients should be encouraged to adhere to this which is part of COVID-19 pandemic control measures. The purpose of this is to minimise the dispersal of respiratory secretions and reduce environmental contamination. This should be actively promoted throughout the healthcare setting.

It is recognised that it will be impractical for inpatients to wear facemasks at all times and these will have to be removed for reasons such as eating and drinking or showering. There is no need for inpatients to wear a facemask when sleeping provided bed spacing requirements in line with current guidance are met.

A facemask should be worn by all inpatients across all pathways during transfer between departments within the hospital unless exempt.

Where an inpatient is isolated in a single room, they do not need to wear a facemask. However, the inpatient must be asked to don their mask when any staff or visitors enter the room unless exempt.



Care home settings – Face masks for residents

Residents on the respiratory pathway should be encouraged to wear a facemask, if these can be tolerated and do not compromise care, when moving around the care home and when care staff, other residents or visitors enter their individual room.

5.15.2 Sessional use of FRSMs, FFP3 respirators and/or eye/face protection

FRSMs and eye/face protection (goggles/visors) may be used sessionally. This means that FRSMs and eye/face protection (where required) can be used moving between service users and for a period of time where a HCW is undertaking duties in an environment where there is exposure to respiratory pathogens. A session ends when the healthcare worker leaves the clinical setting or exposure environment.

Typically, sessional use of any PPE is not permitted within health and care settings at any time as it is associated with transmission of infection between service users within health and care settings.

Due to the much wider and frequent use of FRSMs eye/face protection (where required) by HCWs during the ongoing COVID-19 pandemic and during periods of increased respiratory activity in health and care settings both as part of service user direct care delivery and extended use of facemasks policy, sessional use of FRSMs and eye/face protection is permitted at this time.

However, in using FRSMs/eye and face protection/RPE sessionally, it is important to note the following;

- FRSMs/FFP3 must be replaced if visibly contaminated, wet, damaged, uncomfortable, when moving between the respiratory and non-respiratory pathway
- Eye/face protection must be replaced if damaged, visibly contaminated, when moving between the respiratory and non-respiratory pathway
- HCWs must not touch their FRSM, eye/face protection or FFP3 respirator whilst in situ. If they inadvertently do so, they must perform hand hygiene immediately afterwards

The above measures in conjunction with safe donning and doffing of PPE ensure the safety of the HCW and the service user.

No other PPE is permitted to be worn sessionally moving between service users or care tasks. This includes gloves, aprons and gowns.



Dental settings – Sessional use of FRSMs, FFP3 respirators and/or eye face protection

Within dental settings, HCWs may wear FRSMs sessionally to account for the extended use of facemask policy outside of direct patient care delivery and provided they are changed at the points listed above. It should be noted that due to the procedures being undertaken in dentistry and the splash/spray generated during those procedures, that FRSMs should be changed between patients in line with standard practices. FFP3 respirators should not be worn sessionally at any time.



Secondary care settings – Sessional use of FFP3 respirators

Sessional use of FFP3 respirators is also permitted only where unit wide airborne precautions are applied throughout a unit/care area however all other AGP PPE should be removed when no longer within 2 metres of a patient or, if still within 2 metres of the patient, then after the AGP is complete and fallow time has elapsed. It is not necessary to wear sessional gowns moving around a unit or department. Gowns protect against excessive splash and spray which is associated with AGPs and other direct patient care procedures.

5.15.2 Filter Face Piece 3 (FFP3) Respirators

FFP3 respirators must only be worn by staff who have undergone and passed a fit test. FFP3 respirators must be worn by HCWs in the following scenarios;

- When performing an [Aerosol Generating Procedure \(AGP\)](#) on a service user with a known or suspected respiratory viral infection (respiratory pathway)
- When performing an AGP on any service user with a positive COVID-19 PCR , Rapid Diagnostic Testing (including POCT) or LFD test.
- When working within the respiratory pathway where AGPs are being performed unit wide (service users having AGPs undertaken who cannot be placed in single isolation rooms)
- When working in the respiratory pathway in a clinical area deemed as having an unacceptable risk of transmission by the NHS Board (see [hierarchy of controls section](#))

More information can be found on RPE within [chapter 2 of the NIPCM](#).

5.15.3 PPE worn when caring for service users on the respiratory pathway

[Table 7](#) details the PPE which should be worn when providing direct care for service users on the respiratory pathway.

Type IIR FRSM should be worn for all direct care delivery regardless of whether the service user is on the respiratory pathway or not. This measure has been implemented alongside physical distancing specifically for the COVID-19 pandemic.

Type IIR FRSMs can be worn sessionally when going between service users on the respiratory pathway. Type IIR FRSMs should be changed if wet, damaged, soiled or uncomfortable and must be changed after having provided care for a service user isolated with any other suspected or known infectious pathogens and when leaving respiratory pathway areas.

It is recommended that Type IIR FRSMs should be well fitting and fit for purpose, covering the mouth and nose in order to prevent venting (exhaled air 'escaping' at the sides of the mask). A [poster provides some suggested ways to wear facemasks](#) to help improve fit.

Health and care staff moving between different settings, wards and departments to provide care/consultations or undertake service user transfers (e.g. portering and theatre staff) throughout the course of their working day must ensure they first clarify with the person in charge or named health and care worker what pathway the service user they are attending to is on and what PPE is required.

Table 7 PPE worn for SICPs and TBPs (see table 8 for AGP PPE)

PPE item	Non Respiratory pathway (SICPs)*	Respiratory pathway (TBPs)
Gloves	Risk assessment - wear if contact with blood and body fluid (BBF) is anticipated. Single-use	Worn for all direct care delivery. Single use.
Apron or gown	Risk assessment - wear apron if direct contact with service user, their environment or BBF is anticipated. (Gown if extensive splashing anticipated) Single use	Apron to be worn for all direct care delivery (Gown if extensive splashing anticipated) Single-use
Face mask (FRSM)/FFP3 respirator	Always within 2 metres of a service user- Type IIR FRSM (Wearing a Type IIR FRSM as part of SICPs would normally only be worn when splash/spray is anticipated. Use of FRSM for all service user direct care exists as an ongoing COVID-19 pandemic measure) Single use or Sessional use	Always within 2 metres of a service user - Type IIR FRSM FFP3 respirator required when caring for service user with a known or suspected pathogen transmitted by the airborne route e.g. pulmonary TB Single use or Sessional use

PPE item	Non Respiratory pathway (SICPs)*	Respiratory pathway (TBPs)
Eye & face protection	Risk assessment - wear if splashing or spraying with BBF including coughing/sneezing anticipated. Single-use or reusable following decontamination.	Worn for all direct care delivery provided to service users with respiratory symptoms Single-use, sessional or reusable following decontamination.

* Ensure that PPE is worn appropriately for TBPs as per NIPCM/ on the non-respiratory pathway if caring for service users with any other known or suspected infectious pathogen requiring TBPs.

5.15.4 Access to PPE

NHS staff should continue to obtain PPE through their health board procurement contacts, who will raise their needs via an automated procurement portal to NHS National Services Scotland (NHS NSS). This automated internal procurement system has been specifically developed to deal with increased demand, give real time visibility to Health Boards for ordered stock, as well as enabling quick turnaround for delivery.

Those providing services within social care settings (including personal assistants and unpaid carers) who have an urgent need to access PPE, can contact the PPE support centre on 0300 303 3020 or their local HSCP PPE hub.

Please note that hubs are to be used only in cases where there is an urgent supply shortage after “business as usual” routes have been exhausted.

The contact details below will direct social care providers to the NHS National Services Scotland Social Care PPE Support Centre, and the team there will point you towards your local Hub.

Email: support@socialcare-nhs.info

Phone: 0300 303 3020.

The helpline is open (8am - 8pm) 7 days a week.

Further information can be found at: [Coronavirus \(COVID-19\): PPE access for social care providers and unpaid carers.](#)

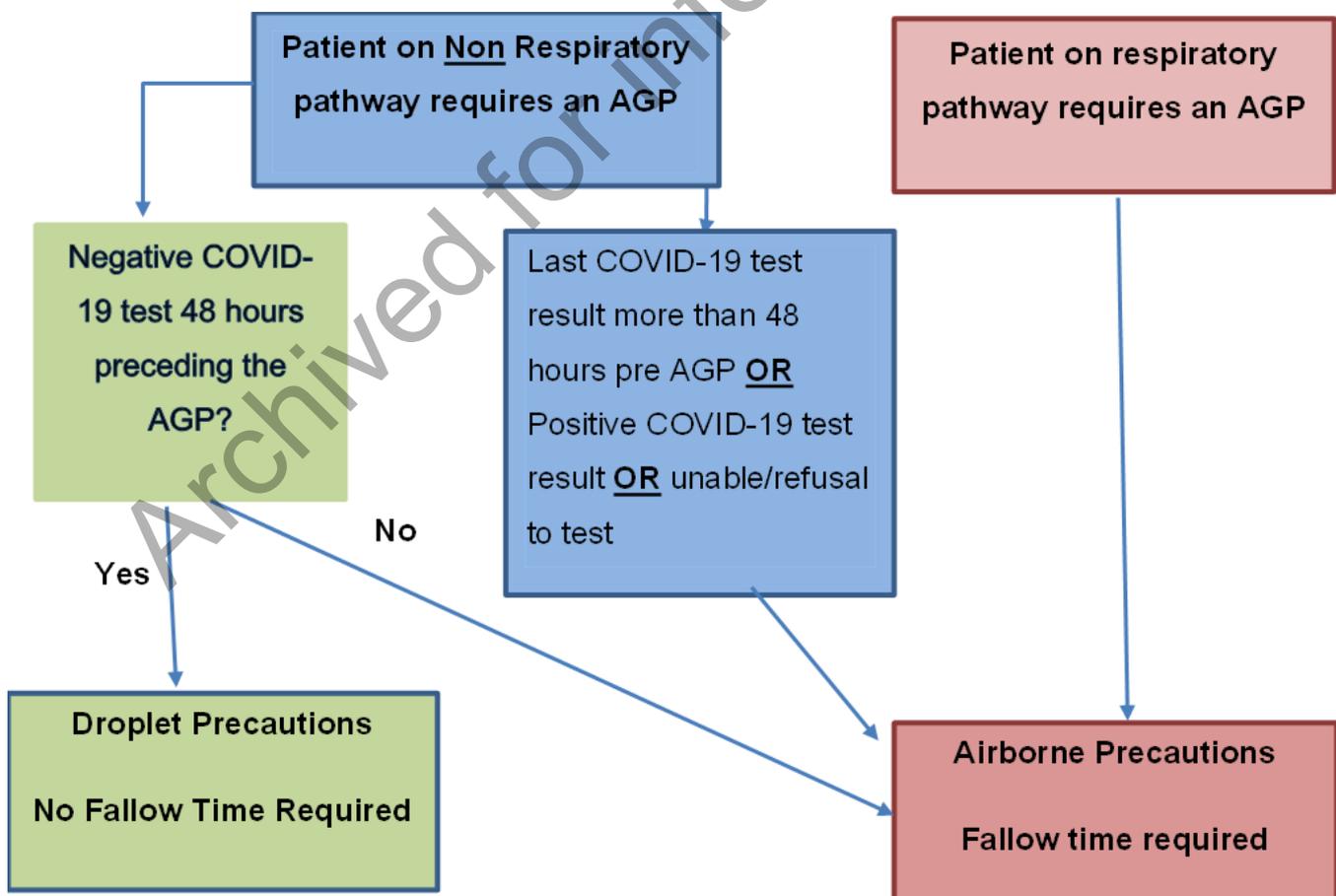
5.15.5 AGPs

An AGP is a medical procedure that can result in the release of airborne particles from the respiratory tract when treating someone who is suspected or known to be suffering from an infectious agent transmitted wholly or partly by the airborne or droplet route. Transmission of SARS-CoV-2 (and other respiratory pathogens) during AGPs is also possible from patients in asymptomatic or pre-symptomatic phases of infection.

A full list of AGPs can be found in Appendix 17 of the NIPCM.

Determining the IPC precautions required for AGPs.

Airborne precautions and subsequent post AGP fallow times are required for all patients undergoing an AGP on the respiratory pathway. A risk assessment should be undertaken prior to performing an AGP on patients on the non-respiratory pathway and take account of any presenting respiratory symptoms. A laboratory based PCR test, COVID-19 Rapid Diagnostic Test (including POCT) or LFD test may also be used to support the risk assessment. Where there is no evidence of a respiratory virus, the AGP may be performed using droplet precautions negating the need for post AGP fallow times.





Dental Settings - Determining IPC precautions required for AGPs

Airborne precautions and post AGP fallow times must be applied for any patients requiring treatment on the respiratory pathway as outlined in the respiratory screening questions. Dental teams must continue to ask patients the respiratory screening questions prior to attendance for appointments to determine the IPC precautions required prior to undertaking AGPs.

5.15.6 PPE for AGPs

The required PPE when undertaking AGPs is listed in table 8 below.

**Work is currently underway by the UK Re-useable Decontamination Group examining the suitability of respirators, including powered respirators, for decontamination. This literature review will be updated to incorporate recommendations from this group when available. In the interim, ARHAI Scotland are unable to provide assurances on the efficacy of re-useable respirator decontamination methods and the use of re-useable respirators is not recommended.

Table 8: PPE for AGPs

PPE item	Non Respiratory pathway (SICPs) where there is no evidence of a respiratory virus	Respiratory pathway (TBPs)
Gloves	Single-use	Single use
Apron or gown	Single-use Risk assess – use fluid resistant gown if excessive splashing/spraying anticipated otherwise apron is sufficient	Single-use fluid resistant gown
Face mask (FRSM) or Respirator	Type IIR FRSM* Single or Sessional use	FFP3 mask or powered respirator hood Single or Sessional use
Eye & face protection	Single use or reusable following decontamination	Single-use, sessional or reusable following decontamination

*Where staff have concerns about potential COVID-19 exposure to themselves during this ongoing COVID-19 pandemic, they may choose to wear an FFP3 respirator rather than an

FRSM when performing an AGP on any patient provided they are fit tested. This is a personal PPE risk assessment

5.15.7 Post AGP Fallow Times

Time is required after AGPs undertaken with airborne precautions is are performed to allow the actual/potential infectious aerosols still circulating to be removed/diluted. This is referred to as the post AGP fallow time (PAGPFT) and is a function of the room ventilation air change rate. The PAGPFTs can be found in appendix 17 of the NICPM.



Dental settings - AGPs

Staff within dental settings should refer to the '[Mitigation of AGPs in dentistry; A Rapid Review](#)' which details fallow times specific to this setting and the mitigations used. The methodology work was undertaken by SDCEP and Cochrane oral Health. Post AGP down time (fallow time) is not considered necessary for successive appointments between members of the same household within dental settings; to minimise aerosol spread dentists should use mitigating measures such as high volume suction/rubber dam. It is essential that staff change their PPE and adhere to SICPs between family members.

Treatment rooms in dental practices should be aiming for a minimum of 10ACH.

5.16 Safe Management of Care Equipment

See [NIPCM](#) for routine safe management of care equipment as per SICPs.



Care Home Settings - Safe Management of Care Equipment

Care homes should refer to the NIPCM for older people and adult care homes for more general information on [safe management of care equipment](#) in this setting as per SICPs.

Care equipment used for service users on the respiratory pathway may become contaminated with infectious transmissible pathogens and must be cleaned as per table 9.

Table 9: Equipment cleaning determined by SICPs/TBPs

Pathway	Product
Routine care areas (non-respiratory pathway) – cleaning as per SICPs	General purpose detergent for routine cleaning.
Respiratory pathway - cleaning as per TBPs	Combined detergent/disinfectant solution at a dilution of 1000 ppm av chlorine or general purpose neutral detergent in a solution of warm water followed by a disinfectant solution of 1000ppm av chlorine for routine cleaning.

See [Appendix 7](#) of the NIPCM for cleaning of equipment contaminated with blood or body fluids (including saliva) or if it has been used on a patient with any other known or suspected infectious pathogen.



Primary Care and Community Health and Social Care settings – equipment cleaning for care at home services

Re-useable care equipment used on the respiratory pathway in the community health and care settings such as stethoscopes, syringe drivers and pumps must be decontaminated prior to removal from the service user’s home. Where this is not possible, they should be bagged and transported back to base for decontamination.

5.17 Safe Management of Care Environment

See [NIPCM](#) for routine safe management of care environment as per SICPs.



Care Home Settings - Safe management of Care Environment

Care homes should refer to the Care Home IPCM for older people and adult care homes for more general information on [safe management of the care environment](#) in this setting as per SICPs.

Environmental cleaning in the respiratory pathway should be undertaken as per table 10. A minimum of 4 hours should have elapsed between the first daily clean and the second daily

clean. Where a room has not been occupied by any staff or service user since the first daily clean was undertaken, a second daily clean is not required.

Table 10 – Environmental cleaning determined by SICPs/TBPs

Pathway	Frequency	Product
Routine care areas (non-respiratory pathway) – cleaning as per SICPs	At least daily as per NHS Scotland National Cleaning Services Specification .	General purpose detergent* ¹
Respiratory pathway -cleaning as per TBPs (incl post AGP for service users requiring airborne precautions for AGPs)	At least twice daily 1st clean - Full clean (domestic services) 2nd clean - * ₂ Touch Surfaces within clinical and care delivery areas	Combined detergent/disinfectant solution at a dilution of 1000 ppm av chlorine or general purpose neutral detergent in a solution of warm water followed by a disinfectant solution of 1000ppm av chlorine.

*¹ Cleaning in routine care areas should be carried out with chlorine based detergent for rooms where the service user is known to have any other known or suspected infectious agent.

*² Touch surfaces as a minimum should include door handles/push pads, taps, bed heads/bed ends, cot sides, light switches, lift buttons. Clinical and care delivery areas should include the service user's bedroom and treatment areas and staff rest areas.

Any areas contaminated with BBF (including saliva) in any clinical/care area require to be cleaned as per [Appendix 9](#) of the NIPCM.

In settings such as outpatient departments, GP practices, dental practices, where there are multiple service users undergoing a consultation each day, cleaning should be undertaken between service users in addition to the environmental cleaning described above using the appropriate cleaning product depending on the pathway the service user is on. Ensure that any surfaces touched by the service user are cleaned e.g. chair, treatment bed and where the service user is symptomatic of a respiratory virus, cleaning should include items in the immediate environment which may have become contaminated.

5.18 Safe Management Linen

All linen should be handled routinely as per [section 1.7 of SICPs – Safe Management of Linen](#)



Care Home Settings - Safe Management of Linen

Care homes should refer to the Care Home IPCM for older people and adult care homes for more general information on [safe management of linen](#) in this setting as per SICPs.

Linen used on service users who are on the respiratory pathway should be treated as infectious.

Routinely on the respiratory pathway, provided curtains around examination bays have no visible contamination and are kept tied back when not in use, they may remain in situ between patients however regular curtain change regimes should be in place. Curtains should also be cleaned as part of terminal cleaning following discontinuation of TBPs and following discharge of a patient from inpatient settings where transmission based precautions were in place at the time of discharge. When changed, curtains should be treated as infectious linen.



Primary Care and Community Health and Social Care settings – Safe Management of Laundry

Community Health and Care Settings with their own in-house laundries may also refer to [National Guidance for Safe Management of Linen in NHS Scotland](#) for more information.

See also [staff uniforms](#).

5.19 Safe management Blood and Body Fluid (BBF) spillages

All BBF spillages should be managed as per [section 1.8 of SICPs](#) – Safe management of Blood and Body Fluid Spillages and [Appendix 9](#).



Care Home Settings - Safe Management of Blood and Body Fluid spillages

Care homes should refer to the Care Home IPCM for older people and adult care homes for general information on [safe management of Blood and Body Fluid spillages](#).

Waste generated during the management of BBF spillages should be disposed of as [waste section](#).

5.20 Safe management of Waste

Waste should be handled in accordance with [Section 1.9 of SICPs](#). Any items contaminated with BBF (including saliva) for any patient regardless of infectious status should be disposed of as clinical waste.



Care Home Settings - Safe Management of Waste

Care homes should refer to the Care Home IPCM for older people and adult care homes for more general information on [safe management of waste](#) in this setting. If the care home does not have a clinical waste contract ensure all waste items (e.g. used tissues and disposable cleaning cloths) that have been in contact with residents who are known or suspected to have COVID-19 are disposed of securely within disposable bags. When full, the plastic bag should then be placed in a second bin bag and tied. These bags should be stored in a secure location for 72 hours before being put out for collection.

Waste generated from patients/individuals who are on the respiratory pathway or where there is a confirmed outbreak, should be disposed of as clinical waste where clinical waste contracts are in place.



Primary Care and Community Health and Social Care settings - Safe Management of Waste

If the community health and care setting does not have a clinical waste contract, or for care at home, ensure all waste items (e.g. used tissues and disposable cleaning cloths) that have been in contact with service users who are known or suspected to have COVID-19 are disposed of securely within disposable bags. When full, the plastic bag should then be placed in a second bin bag and tied. These bags should be stored in a secure location for 72 hours before being put out for collection.

5.21 Occupational Safety

Employers have a duty of care to their staff. This is enshrined in health and safety legislation as is the requirement to undertake a risk assessment and then to mitigate any risks as low as reasonably practicable.

[Section 1.10 of the NIPCM](#) details occupational safety as per SICPs.



Care Home Settings - Occupational safety

Care homes should refer to the Care Home IPCM for older people and adult care homes for more general information on [occupational safety](#) in this setting.

PPE is provided for occupational safety and should be worn as per Tables 7 and 8.

Staff testing negative for SARS-CoV-2 by PCR who remain **symptomatic of another respiratory virus** should consider the risk to service users particularly if they are immunosuppressed or otherwise medically vulnerable before returning to work. Once medically fit to return to work, if staff are in doubt about any risk they may pose to service users or colleagues, this should be discussed with their line manager in the first instance.

Decisions to deploy any staff members into areas of higher infection risk must take into account many factors. These include the nature of the biologic agent, the general risks, and the specific risks to each individual member of staff. The individual risk assessment may need to take account of age, gender, underlying health conditions, race and vaccine status amongst other factors. Occupational health expertise should be sought regarding both the overall process and for individuals deemed at significantly higher risk of either acquiring the infection or of an adverse outcome should they acquire infection.

Boards must have systems for risk assessment and mitigation with clearly defined responsibilities, routes to obtain advice from health and safety, occupational health, and other specialist advisers where required.

[Occupational risk assessment guidance specific to COVID-19](#) is available. Further information for at risk or pregnant healthcare workers can be found in [Guidance for Staff and Managers on Coronavirus](#).

5.22 Staff uniforms

It is safe to launder uniforms at home. If the uniform is changed before leaving work, then transport this home in a disposable plastic bag or a launderable bag. If your role requires you to wear a uniform to and from work, then change as soon as possible when returning home.

Uniforms should be laundered daily, and:

- separately from other household linen;
- in a load not more than half the machine capacity;
- at the maximum temperature the fabric can tolerate, then ironed or tumble dried.

[Scottish Government uniform, dress code and laundering policy](#) is available.

Contaminated uniforms and surgical scrubs should be laundered in hospital (dedicated laundry) facilities as per local policies.

5.23 Caring for someone who has died

For deceased who were on the respiratory pathway at the time of death, the IPC measures described in this document continue to apply whilst the deceased remains in the health and care environment. This is due to the ongoing risk of infectious transmission via contact although the risk is usually lower than for living service users. Where the deceased was known or suspected to have been infected with COVID-19, there is no requirement for a body bag, and viewing, hygienic preparations, post-mortem and embalming are all permitted. Body bags may be used for other practical reasons such as maintaining dignity or preventing leakage of body fluids. See [IPC during care of the deceased within the NIPCM](#) for more information.



Care Home Settings - Care of the Deceased

Care homes should refer to the Care Home IPCM for older people and adult care homes for more general information on [care of the deceased](#) in this setting.

For further information see the [Scottish Government Coronavirus \(COVID-19\): guidance for funeral directors on managing infection risks](#).

5.24 Visiting to health and care settings

Scottish government have guidance available for visiting which can be found at the following links;

Hospital visiting - <https://www.gov.scot/publications/coronavirus-covid-19-hospital-visiting-guidance/>

Care home visiting - <https://www.gov.scot/publications/coronavirus-covid-19-adult-care-homes-visiting-guidance/>

All visitors must be informed on arrival at any health and care facility of IPC measures and adhere to these at all times. Visitors should wear face coverings in line with current Scottish Government guidance and must not attend with COVID-19 symptoms or before a period of self-isolation has ended, whether identified as a case of COVID-19 or as a contact. Visiting may be suspended on the advice of the local IPCT/HPT. Consider alternative measures of communication including telephone or video call where visiting is not possible.

Visitors must:

- Not visit if they have suspected or confirmed COVID-19 or if they have been advised to self-isolate for any reason unless prior agreement with clinical teams during specific circumstances;
- Not visit if they have symptoms of another viral infection e.g. respiratory symptoms, GI symptoms unless prior agreement with clinical teams during specific circumstances.
- Wear a face covering on entering the facility;
- Be provided with appropriate PPE (see table 11);
- Perform hand hygiene at the appropriate times;
 - on entry to the facility
 - prior to putting on PPE
 - after removing PPE
- No unnecessary movement around the facility and should stay at the bed or chairside of the individual they are visiting (if the individual has their own room, visitors should remain within the room);
- Not visit other service users in the facility;

- Not touch their face or face covering/mask once in place;
- Not eat whilst visiting;
- Avoid sharing mobile phone devices with the individual unnecessarily – if mobile devices are shared to enable communications with other friends and family members, the phone should be cleaned between uses using manufacturer’s instructions.

Visitors entering an AGP area should do so after the fallow time has elapsed. Where this is not possible (continual AGP zone), visitors should be advised that there may be a risk of exposure to respiratory viruses. Visitors must wear an FRSM where respirator fit testing is not possible. Visitors should also be advised to regularly test for COVID-19 in line with community advice and refrain from returning to the health and care setting if positive for COVID-19 unless deemed essential and arranged with staff in advance.

Table 11 – Visitor PPE

Pathway	Gloves	Apron	Face covering/mask	Eye/Face Protection
Routine care areas (SICPs)	Not required* ¹	Not required* ²	Face covering or provide with Type IIR FRSM if visitor arrives without a face covering	Not required* ³
Respiratory pathway (TBPs)	Not required* ¹	Not required* ²	Type IIR FRSM	If within 2 metres of service user with respiratory symptoms

*¹ unless providing direct care which may expose the visitor to blood and/or body fluids i.e. toileting.

*² unless providing care resulting in direct contact with the service user, their environment or blood and/or body fluid exposure i.e. toileting, bed bath.

*³ Unless providing direct care and splashing/spraying is anticipated

5.25 Resources

PPE posters

[PPE for delivery of COVID-19 vaccination \(staff\)](#)

[PPE for attending for your COVID-19 vaccination \(public\)](#)

[Wearing a facemask poster \(staff\)](#)

[Wearing a facemask – information for patients' poster](#)

[Suggested ways of wearing a facemask](#)

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