

### **Guidance Objective**

**MEASLES GUIDANCE** 

To ensure that Healthcare Workers (HCWs) are aware of the actions and precautions necessary to minimise the risk of outbreaks and the importance of diagnosing patients' clinical conditions promptly.

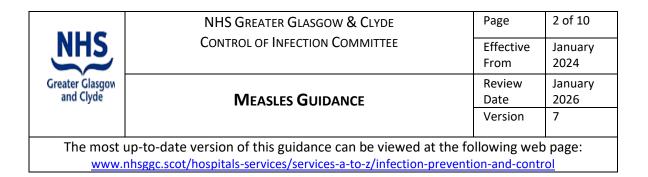
This guidance applies to all staff employed by NHS Greater Glasgow & Clyde and locum staff on fixed term contracts and volunteer staff.

## **KEY CHANGES FROM THE PREVIOUS VERSION OF THIS GUIDANCE**

Important Note: The version of this policy found on the Infection Prevention & Control (eIPC Manual) on the intranet page is the <u>only</u> version that is controlled. Any other versions either printed or embedded into other documents or web pages should be viewed as uncontrolled and as such may not necessarily contain the latest updates, amendments, or linkages to other documents.

Document Control Summary		
Approved by and date	Board Infection Control Committee	
	15 <sup>th</sup> December 2022	
Date of Publication	27 <sup>th</sup> January 2023 with update January 2024	
Developed by	Infection Prevention and Control Policy SOP Sub-Group	
Related Documents	National IPC Manual	
	NHSGGC Hand Hygiene Guidance	
	NHSGGC SOP Cleaning of Near Patient Equipment	
	NHSGGC SOP Twice Daily Clean of Isolation Rooms	
	NHSGGC SOP Terminal Clean of Ward/Isolation Room	
Distribution/Availability	NHSGGC Infection Prevention and Control Web page:	
	www.nhsggc.scot/hospitals-services/services-a-to-	
	z/infection-prevention-and-control	
Lead Manager	Director Infection Prevention and Control	
Responsible Director	Executive Director of Nursing	

## Document Control Summary



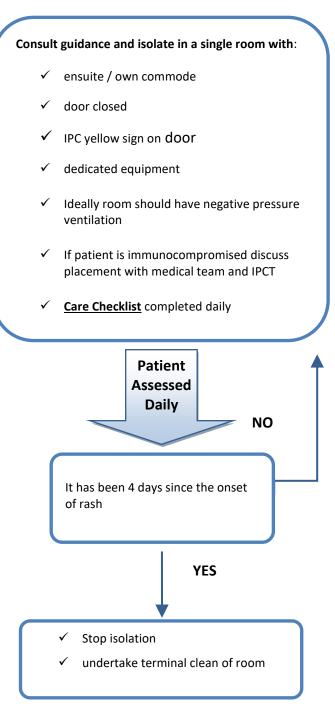
## CONTENTS

Mea	asles Aide Memoire	. 3
1.	Responsibilities	. 4
2.	General information on Measles	. 5
3.	Transmission Based Precautions for patients with Measles	. 7
4.	Evidence Base	10

	NHS GREATER GLASGOW & CLYDE	Page	3 of 10
NHS	CONTROL OF INFECTION COMMITTEE	Effective From	January 2024
Greater Glasgow and Clyde	MEASLES GUIDANCE	Review Date	January 2026
		Version	7
The most up-to-date version of this guidance can be viewed at the following web page:			

www.nhsggc.scot/hospitals-services/services-a-to-z/infection-prevention-and-control

#### **Measles Aide Memoire**



# Guidance - Guidelines for patients in isolation:

Hand Hygiene: Liquid Soap and Water or alcohol hand rub

PPE: Staff must wear:

A disposable yellow apron, gloves and an FFP3 mask for direct care, including aerosol generating procedures.

Where there is a risk of splashing of blood/body fluids to the face, eye protection should be considered and worn during AGPs

<u>Patient Environment:</u> Twice daily chlorine clean

<u>Patient Equipment:</u> Chlorine clean after use and at least on a twice daily basis

Laundry: Treat as infected

<u>Waste</u>: Dispose of as Clinical / Healthcare waste

#### Incubation Period: 7 – 18 days

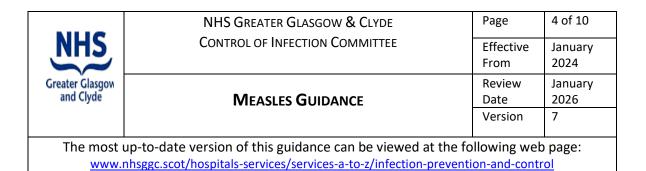
<u>Period of Communicability:</u> 5 days before, until 4 days after the onset of rash

Notifiable disease: Yes

<u>**Transmission route:**</u> direct, indirect droplet, airborne.

<u>Visiting</u>: Clinical staff should explain the risk of Measles exposure to visitors. Only those visitors with previous exposure to the patient while infectious, should be allowed to visit as long as they are not infectious. Close contacts of the patient who are not immune should be advised against visiting. Contact the IPCT for advice.

The most up-to-date version of this guidance can be viewed at the following web page: www.nhsggc.scot/hospitals-services/services-a-to-z/infection-prevention-and-control



#### 1. Responsibilities

### Healthcare Workers (HCWs) must:

- Follow this guidance.
- Inform their line manager if this guidance cannot be followed.

#### **Clinicians must:**

• Notify NHSGGC Public Health Protection Unit (PHPU) of any **suspected or confirmed** cases of Measles via PHPU switchboard. PHPU Consultant can be contacted via switchboard in and out of hours.

#### Microbiologists must:

 Laboratory staff must notify NHSGGC PHPU if they make a laboratory diagnosis of Measles.

#### Senior Charge Nurses (SCN) / Managers must:

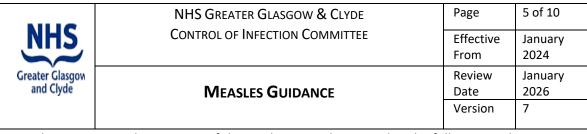
- Support HCWs and Infection Prevention and Control Teams (IPCTs) in following this guidance.
- Advise HCWs to contact the Occupational Health Service (OHS) as necessary.

#### Infection Prevention and Control Teams (IPCTs) must:

- Keep this guidance up-to-date.
- Provide education opportunities on this guidance.

#### Occupational Health Service (OHS) must:

• Advise HCW regarding immune status, possible infection exposure and return to work issues as necessary.



## 2. General information on Measles

Communicable Disease/	Measles caused by the measles virus – an enveloped virus.
Alert Organism	
Clinical Condition	A respiratory disease caused by the measles virus. It is an acute disease which causes fever, conjunctivitis, cough, runny nose and sneezing. This is followed by small grey/white spots, called Koplik's spots, on the inside of the mouth (inner cheek). These symptoms usually appear 1 to 2 days before rash onset and may last for 2 to 4 days. Measles rash appears red and blotchy, developing 2 to 4 days after the onset of fever, and spreading from the head to the body over the next 3 to 4 days.
	Symptoms first appear 10-12 days after exposure to the virus. Usually symptoms start as fever, then runny nose, cough and/ or conjunctivitis.
	The disease can be more severe in infants and adults than children with as many as 20% having complications, especially in those < 5 and > 20 years of age. Complications include otitis media, viral pneumonia, croup, rarely encephalitis and (later) subacute sclerosing panencephalitis. Secondary bacterial infections, such as pneumonia, can also occur. Infections can be life-threatening in the immunosuppressed.
	If a clinical case of measles is suspected, clinicians should seek advice from a paediatric/ adult ID physician and Public Health.
Incubation period	7 – 18 days.
Mode of Spread	Airborne and Droplet transmission –Droplets are dispersed in the air when the patient coughs, sneezes or talks. Droplets from an infected person may land on the mucous membranes of the eyes, nose or mouth of a susceptible person. Direct contact – hands touching a contaminated surface then
	touching the mucous membranes of the eyes, nose or mouth of a susceptible person. <u>Indirect contact</u> – a contaminated object having contact with the mucous membranes.
	The virus can survive on inanimate surfaces for several hours and can be transmitted via the hands from these contaminated surfaces.

	NHS GREATER GLASGOW & CLYDE	Page	6 of 10
NHS	CONTROL OF INFECTION COMMITTEE	Effective From	January 2024
Greater Glasgow and Clyde	MEASLES GUIDANCE	Review Date Version	January 2026 7
	to-date version of this guidance can be viewed at th	ne following we	b page:
<u>www.nh</u>	<pre>ggc.scot/hospitals-services/services-a-to-z/infection-prev</pre>	vention-and-cont	<u>rol</u>
Notifiable dised	Yes. Suspected /confirmed cases should be notified by medical staff to: PHPU, Consultant in Public Health Medicine (CPHM) via switchboard - cases must be notified urgently by telephone (in and out of hours).		
Period of communicability5 days before the onset of the rash until 4 days after (De rash being counted as Day Zero). Immunocompromised patients may have prolonged excretion of the virus in respiratory secretions and can be infectious for the dura of the illness.Patients with subacute sclerosing panencephalitis (SSPE not infectious.		nised in duration	
Persons most a	risk Anyone who has not had measles or 2 vaccination, including children less th risk of complications resulting from m infants younger than 1 year of age. T should be given to vaccination of infa months if given within 72 hours of ex All contacts should be reviewed with immunocompromised patients and p exposed to Measles, should also be re level of exposure and immunity.	an 12 months neasles is high herefore cons nts as young a posure. extra consider regnant wome	old. The among ideration s 6 ration for en,
	Staff, who have been exposed and ar immunity status, should speak to Occ their own GP if concerned.		



NHS GREATER GLASGOW & CLYDE CONTROL OF INFECTION COMMITTEE

**MEASLES GUIDANCE** 

The most up-to-date version of this guidance can be viewed at the following web page: www.nhsggc.scot/hospitals-services/services-a-to-z/infection-prevention-and-control

## 3. Transmission Based Precautions for patients with Measles

Accommodation	Patients must be nursed in a single room with negative	
(Patient Placement)	pressure ventilation until 4 days after the onset of the rash. If	
	the single room does not have an ensuite facilities, or if not	
	available patient should have their own commode.	
Clinical/ Healthcare	All non-sharps waste from patients with Measles should be	
Waste	designated as clinical healthcare waste and placed in an	
	orange bag. See <u>NHSGGC Waste Management Policy</u>	
Contacts	See Green Book, Chapter 21	
Domestic Services /	Only staff who have had measles or who have demonstrated	
Facilities	immunity to measles should enter the room to provide	
	domestic services. A history of measles or 2 doses of MMR	
	immunisation is considered evidence of immunity.	
	Domestic staff must follow the SOP for Twice Daily Clean of	
	Isolation Rooms.	
	Cleans should be undertaken at least four hours apart. Please	
	refer to NHSGGC SOP Twice Daily Clean of Isolation Rooms	
Equipment	Take only into the room that which is necessary. Where practical	
	allocate individual equipment and decontaminate as per	
	NHSGGC Decontamination SOP.	
	Please refer to NHSGGC Decontamination Guidance	

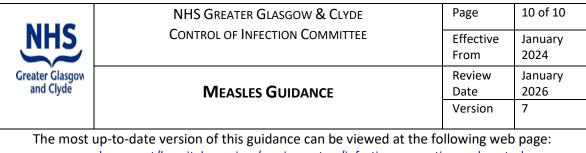
Creater Glasgow and Clyde	NHS GREATER GLASGOW & CLYDE	Page	8 of 10
	CONTROL OF INFECTION COMMITTEE	Effective From	January 2024
	Measles Guidance	Review Date	January 2026
		Version	7
The most up-to-date version of this guidance can be viewed at the following web page:			

Exposure (staff)	Prevent exposure by allowing only HCWs who are immune to measles to care for patients during the infectious period using
	Standard Infection Control Precautions (SICPs) and
	Transmission Based Precautions (TBPs). Refer to NHSGGC
	Occupational Health
	Pregnant staff or staff who have been exposed and are unsure
	of their immunity status should contact Occupational Health
	and/or their own GP for advice as soon as possible.
	See <i>Contacts</i> section for information on post exposure prophylaxis
Exposure (patients)	Seek advice from IPCT. Exposed patients should be isolated in
	a single side room or cohorted.
Hand Hygiene	Measles can be transmitted by direct contact
	Hand hygiene is the single most important measure to
	prevent cross-infection with measles
	Hands must be decontaminated before and after each
	direct patient contact, after contact with the environment,
	after exposure to body fluids and before any aseptic tasks.
	Patients should be encouraged to carry out thorough hand
	hygiene.
	Please refer to <u>NHSGGC Hand Hygiene Guidance</u>
Last Offices	See National Guidance for Last Offices
Linen	Treat used linen as soiled/ infected, i.e. place in a water
	soluble bag, then a secondary bag tied and then into a laundry
	bag. (Brown bag used in Mental Health areas)
	Please refer to <u>National Guidance on the safe management of</u>
	linen
	Any soiled clothing for home laundering should be placed into
	a water soluble bag then into a patient clothing bag before
	being sent home. All soiled clothing for home laundering
	should be accompanied with a Washing Clothes at Home
	Leaflet and staff should alert relatives / carers to the
	condition of the laundry.
Moving between	Patient movement should be kept to a minimum. Prior to
wards, hospitals and	transfer HCWs from the ward where the patient is located
departments	<b>must</b> inform the receiving area of the patient's infection
(including theatres)	status and the IPCT. When patients need to attend other

The most up-to-date version of this guidance can be viewed at the following web page: <u>www.nhsggc.scot/hospitals-services/services-a-to-z/infection-prevention-and-control</u>

NHS	NHS GREATER GLASGOW & CLYDE CONTROL OF INFECTION COMMITTEE	Page Effective From	9 of 10 January 2024
Greater Glasgow and Clyde	Measles Guidance	Review Date Version	January 2026 7

	departments the receiving area should put in place	
	arrangements to minimise contact with other patients and arrange for additional domestic cleaning if required.	
	arrange for additional domestic cleaning if required.	
Notice for Door	Yes, yellow IPC isolation sign.	
Personal Protective	Staff must wear:	
Equipment (PPE)	<ul> <li>A disposable yellow apron, gloves and an FFP3 mask</li> </ul>	
	for all direct care, including aerosol generating	
	procedures.	
	• Where there is a risk of splashing of blood/body fluids	
	to the face, eye protection must be used.	
Precautions required	Transmission Based Precautions are required until 4 days	
until	after the onset of the rash. (Rash onset day is counted as Day	
	Zero)	
Screening staff	Because of the 7-18 day incubation period, there is no reason	
	for immediate absence from work.	
	Pregnant staff or staff who have been exposed and are unsure	
	about their immune status should contact OHS or their GP for	
	advice as soon as possible	
Specimens required	Throat or mouth swab in viral medium must be taken at the	
	earliest opportunity and within 6 days of rash appearance	
	(contact virology for advice if necessary).	
	PHPU swab kits are for surveillance purposes only, not for	
	diagnosis and can take several weeks to get a result.	
Terminal Cleaning of	For terminal clean of the isolation when patient is no longer	
Room	infection or is discharged please see:	
	NHSGGC Terminal Clean of Ward/Isolation Room SOP	
Visitors	Clinical staff should explain the risk of Measles exposure to	
	visitors. A history of measles or 2 doses of MMR	
	immunisation is considered evidence of immunity. Close	
	contacts of the patient who are not immune could potentially	
	be incubating the infection and should be advised against	
	visiting. Contact the IPCT for advice.	



www.nhsggc.scot/hospitals-services/services-a-to-z/infection-prevention-and-control

## 4. Evidence Base

Public Health England (2019) National Measles Guideline <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachm</u> <u>ent\_data/file/849538/PHE\_Measles\_Guidelines.pdf</u>

Health Protection Network: Guideline for the Control of Measles Incidents and Outbreaks in Scotland (2018) https://www.hps.scot.nhs.uk/resourcedocument.aspx?id=6826

Immunisation against infectious disease 'Green Book' (2013). Department of Health.

Measles: the green book, chapter 21 - GOV.UK

Health Protection Scotland (2018) National Infection Prevention and Control Manual.

Available from <a href="http://www.nipcm.scot.nhs.uk/about-the-manual/">http://www.nipcm.scot.nhs.uk/about-the-manual/</a>