

**Patient Group Direction For The Administration Of Low Dose Diphtheria, Tetanus And Inactivated Poliomyelitis Vaccine (Td/IPV) (Revaxis®) For Travel By Approved Healthcare Professionals Working Within NHS Grampian, Highland, Orkney, Shetland, Tayside And Western Isles**

<b>Lead Author:</b> Adapted from Public Health Scotland Administration of low-dose diphtheria, tetanus and inactivated poliomyelitis vaccine (Td/IPV) for the purpose of providing tetanus, diphtheria or polio vaccination for travel indications Patient group direction (PGD) template Version 2.1 – PHS Publication date - 6th January 2025		<b>Approver:</b> NoS PGD Group  <b>Authorisation:</b> NHS Grampian
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<b>Signature:</b> 		<b>Signature:</b> 
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<b>NoS Identifier:</b> NoS/PGD/Travel_Revaxis/1466	<b>Review Date:</b> December 2027  <b>Expiry Date:</b> December 2027	<b>Date Approved by NoS:</b> 29 <sup>th</sup> January 2025
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NHS Grampian, Highland, Orkney, Shetland, Tayside and Western Isles have authorised this Patient Group Direction to help individuals by providing them with more convenient access to an efficient and clearly defined service within the NHS Boards. This Patient Group Direction cannot be used until Appendix 1 and 2 are completed.

**Uncontrolled when printed**

**Version 2.1**

## Revision History for NoS:

NoS PGD that has been superseded	NoS/PGD/Travel_Revaxis/1466, Version 2
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## Most recent changes NoS

Version	Date of change	Summary of Changes	Section heading
2.1	January 2025	Reference to NoS Appendix 1 and 2.	Authorisation
		Training requirements for NoS.	Continuing education and training

## PHS recent changes

Version	Date	Summary of changes
2.1	January 2025	<p>The following changes have been made to V2.0 of this PGD:</p> <ul style="list-style-type: none"> <li>Inclusion criteria section updated in respect of recommendation sources.</li> <li>Audit Section updated to request vaccinators to record the source of recommendation.</li> </ul>

**Review date:** The review date for a PGD needs to be decided on a case-by-case basis in the interest of safety. The expiry date should not be more than 3 years, unless a change in national policy or update is required.

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## Authorisation

This specimen Patient Group Direction (PGD) template has been produced by Public Health Scotland and adapted by North of Scotland PGD Group (NoS) to assist NHS Boards. NHS Boards should ensure that the final PGD is considered and approved in line with local clinical governance arrangements for PGDs.

The qualified health professionals who may administer vaccine under this PGD can only do so as named individuals. It is the responsibility of each professional to practice within the bounds of their own competence and in accordance with their own Code of Professional Conduct and to ensure familiarity with the manufacturer's product information/Summary of Product Characteristics (SmPC) for all vaccines administered in accordance with this PGD.

NHS Board governance arrangements will indicate how records of staff authorised to operate this PGD will be maintained. Under PGD legislation there can be no delegation. Administration of the vaccine has to be by the same practitioner who has assessed the patient under the PGD.

All authorised staff are required to read the PGD and sign the Agreement to Administer Medicines Under PGD ([Appendix 1](#)).

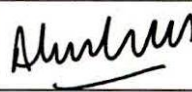
A Certificate of Authorisation ([Appendix 2](#)) signed by the authorising professional/manager should be supplied. This should be held in the individual health professional's records, or as agreed within the individual Health Board.

This PGD has been produced for NoS by:					
Doctor	Susan Laidlaw	Signature		Date Signed	01/05/2024
Pharmacist	Mary McFarlane	Signature		Date Signed	02/04/2024
Nurse	Pauline Merchant	Signature		Date Signed	03/04/2024

### Approved for use within NoS by:

NoS Group Chair	Signature	Date Signed
Lesley Coyle		20/01/2025

### Authorised and executively signed for use within NoS by:

NHS Grampian Chief Executive	Signature	Date Signed
Adam Coldwells – Interim Chief Executive		29/01/2025

**Version 2.1 – Approved for NoS from 29<sup>th</sup> January 2025**



## 1. Clinical Situation

### 1.1. Indication

Active immunisation of individuals against tetanus, diphtheria or poliomyelitis.

### 1.2. Inclusion criteria

Individuals aged 6 years and over who:

- Intend to travel to or reside in countries where tetanus, diphtheria, or polio vaccination is currently recommended by recognised Scottish or UK national travel health websites to ensure adherence to the latest recommendations.

The risk of exposure should be determined after careful risk assessment of an individual's itinerary, duration of stay, planned activities and medical history.

- Will be travelling to areas where proof of polio vaccination is required.

Valid consent has been given to receive the vaccine.

### 1.3. Exclusion criteria

Individuals who:

- are aged less than 6 years.
- are known to be pregnant (as pertussis containing vaccine may be more appropriate).
- have had a confirmed anaphylactic reaction to a previous dose of diphtheria, tetanus or poliomyelitis containing vaccine, including any conjugate vaccines where diphtheria or tetanus toxoid is used in the conjugate.
- have had a confirmed anaphylactic reaction to any component of the vaccine, including formaldehyde, neomycin, streptomycin or polymyxin B (refer to relevant SmPC).
- have a history of severe (i.e. anaphylactic reaction) to latex where the vaccine is not latex free.
- are suffering from acute severe febrile illness (the presence of a minor infection is not a contraindication for immunisation).

### 1.4. Cautions/need for further advice/circumstances when further advice should be sought from a doctor

The Green Book advises that there are very few individuals who cannot receive low-dose diphtheria, tetanus and inactivated poliomyelitis vaccine (Td/IPV). Where there is doubt, rather than withholding vaccination, appropriate advice should be sought from the relevant specialist or from the local immunisation or health protection team.

If under 10 years of age, ensure UK childhood immunisations are up to date as another tetanus/diphtheria/polio containing vaccine may be more appropriate. Refer to NHS Board immunisation team.

The presence of a neurological condition is not a contraindication to immunisation but if there is evidence of current neurological deterioration, deferral of vaccination may be considered, to avoid incorrect attribution of any change in the underlying condition. The risk of such deferral should be balanced against the risk of the preventable infection, and vaccination should be promptly given once the diagnosis and/or the expected course of the condition becomes clear.

Individuals with immunosuppression can be given Td-IPV containing vaccines although these individuals may not make a full antibody response.

### **Co-administration with other vaccines**

Low-dose diphtheria, tetanus and inactivated poliomyelitis vaccine (Td/IPV) can be given at the same time as other vaccines, including other travel vaccines. When administering at the same time as other vaccines, care should be taken to ensure that the appropriate route of injection is used for all the vaccinations. The vaccines should be given at separate sites, preferably in different limbs. If given in the same limb, they should be given at least 2.5cm apart. The site at which each vaccine was given should be noted in the individual's records.

### **Syncope**

Syncope (fainting) can occur following, or even before, any vaccination especially in adolescents as a psychogenic response to the needle injection. This can be accompanied by several neurological signs such as transient visual disturbance, paraesthesia and tonic-clonic limb movements during recovery. It is important that procedures are in place to avoid injury from faints.

### **Pregnancy and breastfeeding**

Vaccination of pregnant individuals is excluded under this PGD. Vaccination of breastfeeding women is permitted, where indicated.

## **1.5. Action if excluded**

Specialist advice must be sought on the vaccine and circumstances under which it could be given. Immunisation using a patient specific direction may be indicated. The risk to the individual of not being immunised must be taken into account.

Advise the individual/parent/carer of preventative measures to reduce exposure to polio through careful attention to food and water hygiene and hand washing.

Advise the individual/parent/carer of preventative measures to reduce exposure to diphtheria by practising good respiratory and hand hygiene, especially in overcrowded or busy places.

Advise the individual/parent/carer on wound cleansing and seeking medical help for tetanus prone injuries.

Inform or refer to the clinician in charge.

In case of postponement due to acute severe febrile illness, advise when the individual can be vaccinated and ensure another appointment is arranged.

## **1.6. Action if patient declines**

Advise the individual about the protective effects of the vaccine, the risks of infection and potential complications of disease.

Advise how future immunisation may be accessed if they subsequently decide to receive the vaccine.

Advise the individual/parent/carer of preventative measures to reduce exposure to polio through careful attention to food and water hygiene and hand hygiene.

Advise the individual/parent/carer of preventative measures to reduce exposure to diphtheria by practising good respiratory and hand hygiene, especially in overcrowded or busy places.

Advise the individual/parent/carer on wound cleansing and seeking medical help for tetanus prone injuries.

Document advice given and decision reached.

Inform or refer to the clinician in charge.

## **2. Description Of Treatment**

### **2.1. Name of medicine/form/strength**

Adsorbed diphtheria, tetanus and inactivated poliomyelitis vaccine (Td/IPV): Revaxis® suspension for injection in pre-filled syringe.

### **2.2. Route of administration**

Td/IPV vaccines should be administered by intramuscular (IM) injection preferably into the deltoid area of the upper arm. Where administration into the deltoid is not possible the anterolateral thigh can be considered. However, for individuals with a bleeding disorder, vaccines may be administered by deep subcutaneous injection.

The vaccine should be visually inspected for particulate matter and discoloration prior to administration. In the event of any foreign particulate matter and/or variation of physical aspect being observed, do not administer the vaccine.

## 2.3. Dosage

0.5mL.

## 2.4. Frequency

Single 0.5mL dose.

### Reinforcing doses

Booster doses are required where immunisation was received more than 10 years ago.

**Polio:** Boosting may be required more frequently in those travelling to countries where proof of polio vaccination is required.

## 2.5. Duration of treatment

See frequency section.

## 2.6. Maximum or minimum treatment period

See frequency section.

## 2.7. Quantity to supply/administer

Single 0.5mL dose per administration.

## 2.8. ▼ black triangle medicines

No.

## 2.9. Legal category

Prescription only medicine (POM).

## 2.10. Is the use outwith the SmPC?

Vaccine should be stored according to the conditions detailed in the Storage section below. However, in the event of an inadvertent or unavoidable deviation of these conditions refer to NHS Board guidance on the storage and handling of vaccines or National Vaccine Incident Guidance. Where vaccine is assessed in accordance with these guidelines as appropriate for continued use this would constitute off-label administration under this PGD.



## 2.11. Storage requirements

### General requirements

Vaccine should be stored at a temperature of +2° to +8°C.

Do not freeze.

During storage it is recommended that the vials are stored in the original packaging/cartons, away from direct sunlight to protect from light and kept upright.

NHS Board guidance on Storage and Handling of vaccines should be observed.

In the event of an inadvertent or unavoidable deviation of these conditions, vaccine that has been stored outside the conditions stated above should be quarantined and risk assessed for suitability of continued use or appropriate disposal.

## 2.12. Additional information

Minor illnesses without fever or systemic upset are not valid reasons to postpone immunisation. If an individual is acutely unwell, immunisation should be postponed until they have fully recovered.

## 3. Adverse Reactions

### 3.1. Warnings including possible adverse reactions and management of these

Local reactions following vaccination are very common such as pain, swelling or redness at the injection site. A small painless nodule may form at the injection site.

Common adverse reactions include pyrexia, headache, vertigo, nausea and vomiting.

As with all vaccines there is a very small possibility of anaphylaxis and facilities for its management must be available.

In the event of a severe adverse reaction individuals should be advised to seek medical advice.

For full details/information on possible adverse reaction, refer to manufacturer's product literature or SmPC.

### 3.2. Reporting procedure for adverse reactions

Healthcare professionals and individuals/carers should report all suspected adverse reactions to the Medicines and Healthcare products Regulatory Agency (MHRA) using the Yellow Card reporting scheme on <http://www.mhra.gov.uk/yellowcard>.

Any adverse reaction to a vaccine should be documented in accordance with locally agreed procedures in the individual's record and the individual's GP should be informed.

### **3.3. Advice to patient or carer including written information**

Written information to be given to individual:

- Provide manufacturer's consumer information leaflet/patient information leaflet (PIL) provided with the vaccine.

Individual advice/follow up treatment:

- Inform the individual/carer of possible side effects and their management.
- Advise of the need for immediate post-exposure first aid and seek medical advice for post exposure treatment, regardless of pre-exposure doses administered.
- Advise the individual/parent/carer of preventative measures to reduce exposure to polio through careful attention to food and water hygiene and hand washing.
- Advise the individual/parent/carer of preventative measures to reduce exposure to diphtheria by practising good respiratory and hand hygiene, especially in overcrowded or busy places.
- Advise the individual/parent/carer on wound cleansing and seeking medical help for tetanus prone injuries.
- The individual should be advised to seek medical advice in the event of a severe adverse reaction.
- Inform the individual that they can report suspected adverse reactions to the MHRA using the Yellow Card reporting scheme on:  
<http://www.mhra.gov.uk/yellowcard>
- When administration is postponed advise the individual how future vaccination may be accessed.

### **3.4. Observation following vaccination**

As syncope (fainting) can occur following vaccination, all vaccinees should either be driven by someone else or should not drive for 15 minutes after vaccination.

Following immunisation, patients remain under observation in line with NHS board policy.

### **3.5. Follow up**

See frequency section.

### **3.6. Additional facilities**

A protocol for the management of anaphylaxis and an anaphylaxis pack must always be available whenever vaccines are given. Immediate treatment should include early treatment with intramuscular adrenaline, with an early call for help and further IM adrenaline every 5 minutes.

The health professionals overseeing the immunisation service must be trained to recognise an anaphylactic reaction and be familiar with techniques for resuscitation of a patient with anaphylaxis.

## **4. Characteristics Of Staff Authorised Under The PGD**

### **4.1. Professional qualifications**

The following classes of registered healthcare practitioners are permitted to administer this vaccine:

- nurses and midwives currently registered with the Nursing and Midwifery Council (NMC).
- pharmacists currently registered with the General Pharmaceutical Council (GPhC).
- pharmacy technicians currently registered with the General Pharmaceutical Council (GPhC).
- chiropodists/podiatrists, dieticians, occupational therapists, orthoptists, orthotists/prosthetists, paramedics, physiotherapists, radiographers and speech and language therapists currently registered with the Health and Care Professions Council (HCPC).
- dental hygienists and dental therapists registered with the General Dental Council.
- optometrists registered with the General Optical Council.

### **4.2. Specialist competencies or qualifications**

Persons must only work under this PGD where they are competent to do so.

All persons operating this PGD:

- demonstrate appropriate knowledge and skills to work under this PGD.
- must be authorised by name by their employer as an approved person under the current terms of this PGD before working to it.
- must be familiar with the vaccine product and alert to changes in the manufacturer's product information/summary of product characteristics information.
- must be competent to undertake immunisation and to discuss issues related to immunisation to assess patients for vaccination and obtain consent.
- must be competent in the correct storage of vaccines and management of the cold chain if receiving, responsible for, or handling the vaccine.

- must be competent in the recognition and management of anaphylaxis or under the supervision of persons able to respond appropriately to immediate adverse reactions.
- must have access to the PGD and associated online resources.
- should fulfil any additional requirements defined by local policy.

## **Employer**

- The employer is responsible for ensuring that persons have the required knowledge and skills to safely deliver the activity they are employed to provide under this PGD.
- As a minimum, competence requirements stipulated in the PGD must be adhered to.

## **4.3. Continuing education and training**

All practitioners operating under the PGD are responsible for ensuring they remain up to date with the use of vaccines included. If any training needs are identified these should be discussed with the individuals in the organisation responsible for authorising individuals to act under this PGD.

- Have undertaken NoS PGD module training on TURAS Learn.
- Have attended basic life support training either face to face or online and updated in-line with individual Board requirements.
- Have undertaken immunisation training where available.
- Have undertaken NHS e-anaphylaxis training or equivalent which covers all aspects of the identification and management of anaphylaxis updated in-line with individual Board requirements.
- Maintain their skills, knowledge and their own professional level of competence in this area according to their individual Code of Professional Conduct.

## **5. Audit Trail**

### **Record the following information:**

- valid informed consent was given
- name of individual, address, date of birth and GP with whom the individual is registered if possible
- name of person that undertook assessment of individual's clinical suitability and subsequently administered the vaccine
- details of the source of the recommendation to vaccinate
- name and brand of vaccine
- date of administration
- dose, form and route of administration of vaccine
- batch number
- where possible expiry date
- anatomical site of vaccination
- advice given, including advice given if excluded or declines immunisation

- details of any adverse drug reactions and actions taken
- administered under PGD

Records should be kept in line with local procedures.

Local policy should be followed to encourage information sharing with the individual's General Practice.

All records should be clear, legible and contemporaneous and in an easily retrievable format.

## 6. Additional References

Practitioners operating the PGD must be familiar with:

- [Immunisation against Infectious Disease \[Green Book\]](#)
- [Immunisation against Infectious Disease \[Green Book\] Poliomyelitis](#)
- [Immunisation against Infectious Disease \[Green Book\] Diphtheria](#)
- [Immunisation against Infectious Disease \[Green Book\] Tetanus](#)
- [Professional Guidance on the Safe and Secure Handling of Medicines](#)
- [Vaccination of individuals with uncertain or incomplete immunisation status.](#)
- [Professional Guidance on the Administration of Medicines in Healthcare Settings 2019](#)
- [Marketing authorisation holder's Summary of Product Characteristics](#)

## 7. PHS Version History

Version	Date	Summary of changes
1.0	February 2022	Version 1.0 New PGD
2.0	February 2024	<ul style="list-style-type: none"> <li>• This PGD has undergone minor rewording, layout, formatting changes for clarity and consistency with other PHS national specimen PGDs.</li> <li>• Cautions/need for further advice/ circumstances when further advice should be sought from a doctor section updated to highlight vaccination of breastfeeding women is permitted, where indicated as per SmPC.</li> <li>• Observation following vaccination section updated to include advice on driving post-immunisation.</li> </ul>
2.1	January 2025	<p>The following changes have been made to V2.0 of this PGD:</p> <ul style="list-style-type: none"> <li>• Inclusion criteria section updated in respect of recommendation sources.</li> <li>• Audit Section updated to request vaccinators to record the source of recommendation.</li> </ul>



## Version history NoS

Version	Date of change	Summary of Changes	Section heading
2.0	March 2024	Reference to NoS Appendix 1 and 2.	Authorisation
		Training requirements for NoS.	Continuing education and training
2.1	January 2025	Reference to NoS Appendix 1 and 2.	Authorisation
		Training requirements for NoS.	Continuing education and training



## **Appendix 1 - Healthcare Professional Agreement To Administer Medicine(S) Under Patient Group Direction**

**I:** \_\_\_\_\_ (Insert name)

**Working within:** \_\_\_\_\_ e.g. Area, Practice

Agree to administer the medicine(s) contained within the following Patient Group Direction:

### **Patient Group Direction For The Administration Of Low Dose Diphtheria, Tetanus And Inactivated Poliomyelitis Vaccine (Td/IPV) (Revaxis®) For Travel By Approved Healthcare Professionals Working Within NHS Grampian, Highland, Orkney, Shetland, Tayside And Western Isles, Version 2.1**

I have completed the appropriate training to my professional standards enabling me to administer the medicine(s) under the above direction. I agree not to act beyond my professional competence, nor out with the recommendations of the direction.

**Signed:** \_\_\_\_\_

**Print Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Profession:** \_\_\_\_\_

**Professional Registration  
number/PIN:** \_\_\_\_\_



## Appendix 2 - Healthcare Professionals Authorisation to Administer Medicine(s) Under Patient Group Direction

**The Lead manager/Professional** of each clinical area is responsible for maintaining records of all clinical areas where this PGD is in use, and to whom it has been disseminated.

**The Senior Nurse/Professional** who approves a healthcare professional to administer the medicine(s) under this PGD is responsible for ensuring that they are competent, qualified and trained to do so, and for maintaining an up-to-date record of such approved persons.

**The Healthcare Professional** that is approved to administer the medicine(s) under this PGD is responsible for ensuring that they understand and are qualified, trained and competent to undertake the duties required. The approved person is also responsible for ensuring that administration is carried out within the terms of the direction, and according to their individual code of professional practice and conduct.

### Patient Group Direction For The Administration Of Low Dose Diphtheria, Tetanus And Inactivated Poliomyelitis Vaccine (Td/IPV) (Revaxis®) For Travel By Approved Healthcare Professionals Working Within NHS Grampian, Highland, Orkney, Shetland, Tayside And Western Isles, Version 2.1

Local clinical area(s) where the listed healthcare professionals will operate under this PGD:

Name of Healthcare Professional	Signature	Date	Name of Manager	Signature	Date

**Patient Group Direction For The Administration Of Low Dose Diphtheria, Tetanus And Inactivated Poliomyelitis Vaccine (Td/IPV) (Revaxis®) For Travel By Approved Healthcare Professionals Working Within NHS Grampian, Highland, Orkney, Shetland, Tayside And Western Isles, Version 2.1**

<b>Name of Healthcare Professional</b>	<b>Signature</b>	<b>Date</b>	<b>Name of Manager</b>	<b>Signature</b>	<b>Date</b>