



UK Health
Security
Agency

Vaccine Update

Issue 338 • May 2023

UKHSA National Immunisation Network Meeting 2023 13 to 14 June 2023

Immunisation is the single most effective way to help protect our population against infectious diseases, and is the right for every child, teenager and adult in the UK, and we strive to ensure everyone eligible is up to date with their routine immunisation schedule.

The theme for this year's meeting is "Back to the future of immunisation 2.0" focusing on the routine and selective programmes now we are living with COVID-19. The sessions including panels, workshops, opportunities for discussion and networking will provide all those in the field with up-to-date information on the emerging situation and support the recovery of uptake of the routine and selective immunisations.

Immunisation is a fast-moving area of expertise. Providing an annual 2 day conference to allow us to come together for a training and development meeting face to face, to share experiences, coverage and uptake data/perspectives previously unpublished and meet the national teams. We will be coming together with both the national and representatives of the regional teams, with key stakeholders, SAIS teams, practice staff and practitioners who can implement behavioural change and strategies to improve uptake and address health inequalities, and maintain/increase immunisation rates in all settings.



CONTENTS

Please join us and be part of NIN2023

Vaccine wastage – can you help?

New NHS England FutureNHS workspace for all vaccination and screening providers

Core programme leaflets – now available to order

Expiry and disposal of vaccines supplied by UKHSA for the 2022 to 2023 children's flu programme

All influenza vaccines marketed in the UK for the 2023 to 2024 season

DTaP/IPV/Hib/HepB vaccine ordering

Supply of vaccines with reduced shelf life

Update to Bexsero Patient Information Leaflet

Registering for a new or updating your existing ImmForm vaccine ordering account

The EU Falsified Medicines Directive (FMD) and Delegated Regulation as applicable to UKHSA-supplied vaccines

MMR vaccine ordering

Introduction of a London polio catch-up campaign 2023

Subscribe to Vaccine Update [here](#). Order immunisation publications [here](#).
For centrally-supplied vaccine enquiries, email: vaccinesupply@ukhsa.gov.uk

The NIN2023 is our opportunity to invite speakers to share their experiences of negotiating and using tools and methods to address underserved groups and knowledge of responding to outbreaks and improving coverage. This meeting will focus on current and emerging scientific issues in immunisation and implementation challenges relating to the UKHSA's national immunisation programme. Participants will learn the science and rationale behind the immunisation policy and decision making, and latest developments to better equip them in their public health roles. The meeting will provide a valuable opportunity to hear the most recent information and resources to support the programmes.

Please join us and be part of NIN2023

We have an exciting agenda of presentations and will be celebrating 10 years of the NIN network, 60 years of the JCVI, 75 years of the NHS and the World Health Organisation (WHO).

Registration fees for public sector (including charities):

One day attendance fee: £155 Two day attendance fee: £250

Registration fees for private and commercial organisations:

One day attendance fee: £300 Two day attendance fee: £550

Registration fees for students:

One day attendance fee: £100 Two day attendance fee: £150

Proof of student status will be expected on the day.

Exhibition stand

Commercial exhibition stand spaces are available, please email NIN2020@ukhsa.gov.uk before you register so we can confirm there is a space for you. (includes 2 delegate passes £2500)

No VAT is paid on delegates registration fees.

Places will be allocated on a first come, first serve basis.

Please ensure you book your place by **16:00** by Monday 5 June 2023



National Immunisation Network Meeting 2023 – NIN23

www.ukhsa-events.org.uk/nin23



Location

Park Plaza hotel, 200 Westminster Bridge Road, London SE1 7UT

Directions



[parkplazawestminsterbridge.com/
contact-us/how-to-find-us](http://parkplazawestminsterbridge.com/contact-us/how-to-find-us)

Register for NIN23



qrco.de/NIN23



Vaccines matter. Timing matters. Vaccines are for life.

Subscribe to Vaccine Update [here](#). Order immunisation publications [here](#).
For centrally-supplied vaccine enquiries, email: vaccinesupply@ukhsa.gov.uk

Vaccine wastage – can you help?

The importance of maintaining the cold chain

Can you help towards reducing overall vaccine wastage and cost to the NHS? During 2022, vaccine wastage incidents reported through ImmForm due to both avoidable and unavoidable incidents remained significant, at £5.7 million based on the list price. This is potentially an under-reporting of vaccine wastage and the true cost may be higher.

Please consider best practices around ordering, receipt and storage of vaccines which are provided centrally for the national immunisation programme. If vaccines are not stored correctly, it is not only wasteful and expensive for the NHS but vaccines may lose their effectiveness, and this could result in a failure of the vaccine to provide the required immune response.

£2.6 million worth of vaccine wastage was due to avoidable incidents.



Just over half of the total value of reported causes of incidents were unavoidable (54%). The majority of unavoidable incidents were due to cold chain failures such as power cuts (contributing 50%, £2.9 million of the total).

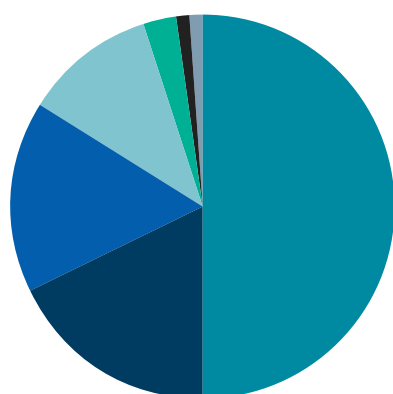
Expiring seasonal vaccines were the largest contributory factor (18% of the total cost of wastage, £1.1 million). The next largest avoidable cause in 2022 was wastage caused by fridge malfunctions, fridge left open, or vaccine left out of fridge (16%, £896K).

There continues to be a general downward trend in the overall number of doses reported as lost through incidents (180,000 in 2022 compared to 220,000 5 years ago).

Incidents related to disposal of expired non seasonal vaccines continues to decline since a peak during the covid-19 pandemic, £685K in 2022 compared to £2.8 million in 2020.

2022 had the lowest number of reported incidents and the lowest number of accounts reporting incidents in 5 years. Please continue to report vaccine incidents through ImmForm, to help us monitor and reduce the costs to the NHS.

Causes of vaccine wastage



- **50%** Unavoidable – Cold chain failure e.g. power cut
- **18%** Expired seasonal e.g. influenza vaccine
- **16%** Cold chain failure e.g. fridge malfunction, fridge left open, vaccine left out of fridge
- **11%** Expired non-seasonal vaccine
- **3%** Unavoidable – Vaccine not used due to change in programme
- **1%** Vaccine preparation error
- **1%** Unavoidable – Vaccine prepared, but patient refused

Reducing avoidable wastage

All healthcare providers should have their own local policies that describe how vaccines will be ordered, stored, handled, and disposed of correctly, and how to respond to vaccine storage failures. These local policies should reflect national policy and best practice recommendations which can be found in Chapter 3 of the Green book at [weblink 1](#).

Everyone who orders, stores or handles vaccines, should be trained and assessed as competent, before they undertake these tasks. Good practice in vaccine storage should be covered in all immunisation training courses. The Immunisation programme available on e-learning for healthcare (e-lfh) includes an online training module and assessment about Vaccine Storage. It is suitable for both beginners and those wishing to refresh their knowledge at [weblink 2](#).



A poster and fridge magnet with reminders about how to keep vaccines healthy, are available to order at [weblink 3](#).

Responding to vaccine storage failures

To minimise wastage that may occur if there is a cold chain failure, healthcare providers should order little and often, and hold only enough routine vaccines for appointments that have been scheduled in the following 2 to 4 weeks. Particular attention should be paid to the stock holding of seasonal vaccines and it is recommended that only 2 weeks' stock should be held in local fridges where possible, with stock levels regularly reviewed to be reflective of demand throughout the autumn and winter.

UKHSA has published guidance on how to respond to errors in vaccine storage, handling and administration at [weblink 3](#).



New NHS England FutureNHS workspace for all vaccination and screening providers

NHS England has launched a new Vaccination and Screening FutureNHS workspace ([weblink 5](#)). The workspace houses content created by NHS England to support vaccination and screening providers, including datasets, guidance, communications materials, and shared learning. It also provides links to vaccination and screening information across various national websites.

This workspace combines the content from the previous workspaces linked below, which will be closed.

- NHS Public Health Commissioning & Operations ([weblink 6](#))
- Public Health Analysis ([weblink 7](#))

Note: the Covid ([weblink 8](#)) and Mpox ([weblink 9](#)) workspaces will remain open and separate.

All vaccination and screening providers with an nhs.net or other recognised healthcare / government email address, can join the workspace by visiting the workspace and selecting "Join". More access guidance can be viewed at [weblink 10](#).

More content will be uploaded in the coming weeks and you can sign up to receive a weekly summary of all uploads to the workspace at [weblink 11](#).

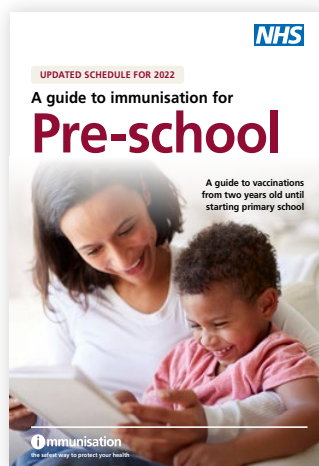
NHS England will be running structured feedback in the coming weeks to hear your experience of the workspace and ideas for improvement. In the meantime, if you have comments, questions, or feedback, please provide this at [weblink 12](#).

Core programme leaflets – now available to order



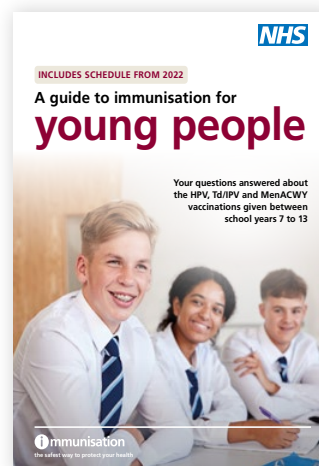
Guide to immunisations for babies up to 13 months
[Weblink 13](#)

Product code: C23IM13EN



Guide to vaccinations pre-school for parents of children aged 2 to 5 years of age [Weblink 14](#)

Product code:
C22PSC34EN



Guide to vaccinations pre-school for parents of children aged 2 to 5 years of age [Weblink 15](#)

Product code:
C22YPEN

Vaccine supply

Routine vaccination programme

Expiry and disposal of vaccines supplied by UKHSA for the 2022 to 2023 children's flu programme

All doses of the live attenuated influenza vaccine (LAIV) Fluenz® Tetra, and Quadrivalent Influenza Vaccine (split virion, inactivated) (QIVe) have now expired.

The expiry date for the Cell Based Quadrivalent Influenza Vaccine (Surface Antigen, Inactivated) (QIVc) supplied by UKHSA is 31 May 2023.

Expired stock should be removed from fridges and disposed in line with local policies and recorded through the ImmForm stock incident page at [weblink 16](#).

All influenza vaccines marketed in the UK for the 2023 to 2024 season

Information on all influenza vaccines that will be marketed in the UK for the 2023 to 2024 season, including ovalbumin content, is available to download at [weblink 17](#).

Late May bank holiday

Due to the late May Bank Holiday, there will be no deliveries or order processing by Movianto UK on Monday 29 May. Please see the table below for revised order cut-off and delivery dates.

For customers with a standard delivery day of **Monday**, please be aware that after **Monday 22 May**, your next available delivery day will be **Monday 5 June 2023**

You are reminded to be prepared for the break in deliveries and to order accordingly. Please make sure you have sufficient room in your fridge for any additional vaccine you wish to stock over this holiday period. Please be advised that Emergency or "Out of Schedule" deliveries cannot be arranged for failure to place orders in good time.



Late May bank Holiday – Monday 29th May 2023		
Standard delivery day	Order cut-off date	Order cut-off time
Monday 22 May 2023	Thursday 18 May 2023	11:55 AM
Tuesday 23 May 2023	Friday 19 May 2023	11:55 AM
Wednesday 24 May 2023	Monday 22 May 2023	11:55 AM
Thursday 25 May 2023	Tuesday 23 May 2023	11:55 AM
Friday 26 May 2023	Wednesday 24 May 2023	11:55 AM
Weekend		
Monday 29 May 2023	Closed – no deliveries or order processing	
Tuesday 30 May 2023	Thursday 25 May 2023	11:55 AM
Wednesday 31 May 2023	Friday 26 May 2023	11:55 AM
Thursday 1 June 2023	Tuesday 30 May 2023	11:55 AM
Friday 2 June 2023	Wednesday 31 May 2023	11:55 AM
Weekend		
Monday 5 June 2023	Thursday 1 June 2023	11:55 AM

DTaP/IPV/Hib/HepB vaccine ordering

Supplies of DTaP/IPV/Hib/HepB vaccines Infanrix hexa® and Vaxelis® are available for the routine infant primary immunisations programme.

Orders for Infanrix hexa® remain unrestricted. Customers in England and Wales may order up to 20 packs of Vaxelis® per ImmForm account per week – this will vary for customers taking part in the Oxford Vaccine Group trial. Customers in Scotland should refer to their local ordering restrictions. Providers should not order more than 2 weeks' worth of stock to minimise wastage due to fridge failures. For assistance, please contact the ImmForm Helpdesk at helpdesk@immform.org.uk.

Supply of vaccines with reduced shelf life

Vaccines supplied via ImmForm for the routine immunisation programme will usually have at least 3 months of shelf-life remaining at the time of delivery. Vaccines with reduced shelf life will occasionally be supplied. ImmForm customers will be informed of vaccines which have short shelf life via ImmForm news articles, updates on the particular ImmForm product page, or a click-thru pop-up message at the time of ordering.

ImmForm customers should order no more than 2 weeks' worth of stock to minimise wastage due to fridge failures or failure to use stock before expiry. See Chapter 3 of the 'Green Book' (Immunisation against infectious disease) for further details on the storage and supply of vaccines.

Update to Bexsero Patient Information Leaflet

Every pack of Bexsero (Meningitis B vaccine; 10 doses) issued via ImmForm in Great Britain, is supplied with a pad of 10 Patient Information Leaflets (PILs), as well as there being a single PIL inside each Bexsero pack. Since September 2020, an updated version of the PIL pad has been distributed with Bexsero orders. Please dispose of the single PIL from inside the pack and issue the updated PIL.

Registering for a new or updating your existing ImmForm vaccine ordering account

When you register for or update an existing ImmForm account, UK Health Security Agency as a wholesaler of vaccines need to verify the requesting customer.

Please ensure you have your professional regulatory body registration number or Wholesaler Dealer Licence and an organisation code which can be verified when requesting updates or requesting a new vaccine ordering account.

For more information please see the ImmForm Helpsheets at [weblink 18](#).

The EU Falsified Medicines Directive (FMD) and Delegated Regulation as applicable to UKHSA-supplied vaccines for the national immunisation programme

The EU Falsified Medicines Directive ([weblink 19](#)) 2011/62/EU (FMD) and Delegated Regulation ((EU) 2016/161) ([weblink 20](#)) (The Delegated Regulation) impose legal obligations on the EU medicines supply chain to prevent entry of falsified medicinal products into the supply chain. The Delegated Regulation was implemented in all EU Member States on 9 February 2019. Following the UK's departure from the EU, the Delegated Regulation ceased to apply in Great Britain from 31st December 2020, but continues to apply in Northern Ireland.

Information for customers in Northern Ireland

FMD-barcode packs of routine immunisation programme vaccines that are centrally supplied by UKHSA continue to be supplied with active FMD serialisation, and should be decommissioned by end users in Northern Ireland. Customers in Northern Ireland who access centrally supplied vaccines are encouraged to review local guidance on implementation of the EU Falsified Medicines Directive.

MMR vaccine ordering

To rebalance central supplies of both MMR vaccines please consider ordering M-M-RvaxPRO® as your first choice, which is available without restriction.

Customers in England and Wales who require Priorix®, for example because you serve communities that do not accept vaccines containing porcine gelatine, may order up to 6 packs of Priorix® per ImmForm account per week. For assistance please contact the ImmForm Helpdesk at helpdesk@immform.org.uk.

Introduction of a London polio catch-up campaign 2023

Guidance on the introduction of a catch-up immunisation campaign in London to run until the end of the summer term 2023 has been published. It includes information on:

- background and summary of incident
- information related to the 2022 London IPV booster campaign
- London polio catch-up campaign 2023
- routine IPV and measles, mumps and rubella (MMR) vaccination programmes and vaccines
- vaccine ordering, supply and storage
- vaccine administration queries
- resources

Please see: www.gov.uk/government/publications/inactivated-polio-vaccine-ipv-booster-information-for-healthcare-practitioners

Non routine vaccination supply

HEPATITIS A VACCINE

Adult

- **GSK:** supply of Havrix Adult PFS singles and packs of 10 are currently available
- **Sanofi Pasteur:** Avaxim PFS singles and packs of 10 are currently available
- **MSD:** VAQTA Adult is available

Paediatric

- **GSK:** supply of Havrix Paediatric singles and packs of 10 are currently available
- **MSD:** VAQTA Paediatric is available
- **Sanofi Pasteur:** Avaxim Junior singles are currently available

HEPATITIS B VACCINE

Adult

- **GSK:** Engerix B PFS singles and packs of 10 are currently available
- **GSK:** supply of Fendrix is currently available
- **MSD:** HBVAXPRO 10 micrograms is available
- **MSD:** HBVAXPRO 40 micrograms is available

Paediatric

- **GSK:** supply of Engerix B Paediatric singles is currently available
- **MSD:** HBVAXPRO 5 micrograms is available

COMBINED HEPATITIS A AND B VACCINE

- **GSK:** Twinrix Adult singles and packs of 10 are available
- **GSK:** Twinrix Paediatric is currently available
- **GSK:** Ambirix is available

COMBINED HEPATITIS A AND TYPHOID VACCINE

- **Sanofi Pasteur:** Viatim is now a discontinued product and no longer available for sale

TYPHOID VACCINE

- **Sanofi Pasteur:** Typhim singles and packs of 10 are available
- **Patientric:** Vivotif is available

Rabies vaccine

- **Valneva:** Rabipur is available. Due to high demand, orders are capped to maximum of 9 doses per order, per week (restrictions are anticipated to remain in place until August)
- **Sanofi Pasteur:** Rabies BP is now a discontinued product and no longer available for sale

Pneumococcal polysaccharide vaccine (PPV)

- **MSD:** supply of Pneumovax 23 (PPV23) PFS is available

Pneumococcal polysaccharide conjugate vaccine (PCV)

- **Pfizer:** Prevenar 13 is currently available.

Varicella zoster vaccine

- **GSK:** VARILRIX is currently available
- **MSD:** VARIVAX is available
- **MSD:** ZOSTAVAX is now a discontinued product

Diphtheria, tetanus, pertussis (inactivated) vaccine

- **Sanofi Pasteur:** Revaxis is available

Diphtheria, tetanus, pertussis (acellular) and poliomyelitis (inactivated) vaccine

- **GSK:** supply of Boostrix-IPV is currently unavailable. Recovery expected early-May 2023
- **Sanofi Pasteur:** Repevax is currently available

MMR

- **MSD:** MMR Vaxpro is currently available
- **GSK:** Priorix is currently available

Meningitis ACWY vaccine

- **GSK:** Menveo is currently available
- **Pfizer:** Nimenrix is currently available
- **Sanofi Pasteur:** MenQuadfi is available

Yellow fever

- **Sanofi Pasteur:** Stamaril is available

Human papillomavirus vaccine

- **MSD:** GARDASIL has been discontinued (Please refer to ImmForm for NIP supply status)
- **MSD:** Gardasil 9 is currently available
- **GSK:** Cervarix has been discontinued

Cholera vaccine

- **Valneva:** Dukoral is available
- **Patientric:** Vaxchora is available

Japanese encephalitis vaccine

- **Valneva:** Ixiaro is available

Weblinks

Weblink 1	www.gov.uk/government/publications/storage-distribution-and-disposal-of-vaccines-the-green-book-chapter-3
Weblink 2	https://www.e-lfh.org.uk/programmes/immunisation
Weblink 3	https://www.gov.uk/government/publications/keep-your-vaccines-healthy-poster
Weblink 4	https://www.gov.uk/government/publications/vaccine-incident-guidance-responding-to-vaccine-errors?UID=23910698120221027123758
Weblink 5	https://future.nhs.uk/vaccsandscreening
Weblink 6	https://future.nhs.uk/PHCO
Weblink 7	https://future.nhs.uk/PublicHealth_Analysis
Weblink 8	https://future.nhs.uk/CovidVaccinations
Weblink 9	https://future.nhs.uk/NationalMonkeypoxVaccination
Weblink 10	https://future.nhs.uk/vaccsandscreening/view?objectId=42778288
Weblink 11	https://forms.office.com/Pages/ResponsePage.aspx?id=kp4VA8Zyl0umSq9Q55Ctvx2fwll5ytHs-WVZufkWfJUOUkxUzBLNVVJUK5CTTI2QTBMNVFNM1IWUC4u
Weblink 12	https://forms.office.com/Pages/ResponsePage.aspx?id=kp4VA8Zyl0umSq9Q55Ctvx2fwll5ytHs-WVZufkWfJURjJGUkRCWIZHRktOTFVXRVRUVUZNQTIERC4u
Weblink 13	https://www.gov.uk/government/publications/a-guide-to-immunisations-for-babies-up-to-13-months-of-age
Weblink 14	https://www.gov.uk/government/publications/pre-school-vaccinations-a-guide-to-vaccinations-from-2-to-5-years
Weblink 15	https://www.gov.uk/government/publications/immunisations-for-young-people
Weblink 16	https://portal.immform.phe.gov.uk/Logon.aspx?returnurl=%2f
Weblink 17	https://www.gov.uk/government/publications/influenza-vaccines-marketed-in-the-uk
Weblink 18	https://www.gov.uk/government/publications/how-to-register-immform-helpsheet-8
Weblink 19	https://health.ec.europa.eu/system/files/2016-11/dir_2011_62_en_0.pdf
Weblink 20	https://health.ec.europa.eu/system/files/2016-11/reg_2016_161_en_0.pdf