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| **Seasonal Flu Vaccination Specification****NIVS** |

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Contents

[Document Management 3](#_Toc113448738)

[Revision History 3](#_Toc113448739)

[Reviewers / Key Stakeholders 3](#_Toc113448740)

[Document Author 3](#_Toc113448741)

[Approved by 3](#_Toc113448742)

[1. Purpose of Document 4](#_Toc113448743)

[2. Introduction 4](#_Toc113448744)

[3. Data File Format 4](#_Toc113448745)

[3.1 Filename Format 4](#_Toc113448746)

[3.2 File Header 5](#_Toc113448747)

[3.3 File Footer 5](#_Toc113448748)

[3.4 Field Delimiter 5](#_Toc113448749)

[3.5 Record Delimiter 5](#_Toc113448750)

[3.6 Character values 5](#_Toc113448751)

[3.7 Date Time Formats 6](#_Toc113448752)

[4. Data File Definition 7](#_Toc113448753)

[4.1 Vaccination Data Items 7](#_Toc113448754)

# Document Management

## Revision History

|  |  |  |
| --- | --- | --- |
| Version | Date | Summary of Changes |
| 0.1 | 16/07/21 | Initial draft |
| 3.0 | 03/05/22 | Changes to meet new year’s contract specification |
| 4.0 | 04/07/2022 | Finalised version with Codes |
| 5.0 | 06/10/2022 | Additional vaccines added |
| 6.0 | 30/06/2023 | Amendment to data item 21 |
| 7.0 | 08/08/2024 | Amendment to data item 12 |

## Reviewers / Key Stakeholders

This document has been/must be reviewed by the following people – key Stakeholders highlighted

|  |  |  |  |
| --- | --- | --- | --- |
| Reviewer name | Title / Responsibility / Company | Reviewed date | Reviewed version |
| Claire Elliott | Programme Manager, Public Health Commissioning and Operations, NHS England | 25/08/2022 | 4.0 |
| John Moore | Business Analyst, NHS Arden and Greater East Midlands Commissioning Support Unit | 06/10/2022 | 5.0 |
| John Moore | Business Analyst Lead, NHS Arden and Greater East Midlands Commissioning Support Unit | 08/08/2024 | 7.0 |

## Document Author

This document was authored by the following:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Signature | Title | Date  | Version |
| Mark Chapman |  | AD Systems and CQRS | 03/05/2022 | V3 |
| Mark Chapman |  | AD Systems and CQRS | 03/05/2022 | V4.0 |
| Mark Chapman |  | AD Systems and CQRS | 03/05/2022 | V6.0 |
| John Moore |  | Business Analyst Lead | 08/08/2024 | V 7.0 |

## Approved by

This document must be approved by the following people:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Signature | Title | Date  | Version |
| Mark Chapman |  | AD Systems and CQRS | 07/09/2022 | v.4.0 |
| Mark Chapman |  | AD Systems and CQRS | 07/09/2022 | v.6.0 |
| Shehnaz Devji |  | Head of SART | 08/08/2024 | V 7.0 |

# Purpose of Document

This document defines a file extract specification for provision of vaccination information (for seasonal flu) to NHS Digital.

The intention is that this specification is healthcare setting agnostic, so can be used to support flow of information relating to vaccination activity across Community Pharmacy, GP, Health and Justice (MOJ) healthcare settings for example.

Each of the data items required is detailed together with details on how the data should be formatted.

The document is intended to be used by both:

1. Developers in organizations supplying vaccination information to NHS Digital, as part of the extract creation process
2. Developers in NHS Digital, as input into the downstream design of the ingestion process, once the extract has landed within the NHS Digital boundary

Any changes or enhancements to the specification is subject to Change Control.

Design considerations as to file transfer mechanism (e.g., MESH) are not in scope of this document.

# Introduction

The national flu immunisation programme requires SAIS Provider system providers to support the seasonal flu effort by providing NIVS with a feed of data to support take-up of the flu vaccine. Flu data is likely to be persisted beyond this season per business requirements that we have documented.

# Data File Format

This section defines the required format of the file extract that organizations (System Suppliers) will provide to NHS Digital

## Filename Format

The filenames of the exported data files **must** be formatted by concatenating the following together with the underscore character as the delimiter:

* The data file type fixed as “Vaccinations”
* The sending organisation code as agreed with NHS Digital
* The timestamp of the export in format YYYYMMDD
	+ YYYY = Year
	+ MM = Month (01-12)
	+ DD = Date (01-31)

The file extension will be “.csv”

For example:

Vaccinations\_ABC123\_20201014T10081501.csv

## File Header

Each data file **must** contain a header row containing the field names delimited by a pipe character. The field names must be the same as those specified in the next section.

For example:

ORGANISATION\_CODE,SCHOOL\_URN,SCHOOL\_NAME,NHS\_NUMBER,PERSON\_FORENAME,PERSON\_SURNAME,PERSON\_DOB,PERSON\_GENDER\_CODE,PERSON\_POSTCODE,DATE\_AND\_TIME,SITE\_CODE,VACCINATED,DATE\_OF\_VACCINATION,VACCINE\_TYPE,BATCH\_NUMBER,BATCH\_EXPIRTY\_DATE,ANATOMICAL\_SITE,PERFORMING\_PROFESSIONAL\_FORENAME,PERFORMING\_PROFESSIONAL\_SURNAME,REASON\_NOT\_VACCINATED,LOCAL\_PATIENT\_ID,CONSENT\_TYPE

## File Footer

A file footer must **not** be submitted

## Field Delimiter

Each field in the data files **must** be enclosed within double quotes and delimited by a pipe character “,”. Pipe characters cannot appear within a data field.

Where this is no value (null) present, this will be represented as two consecutive delimiter characters (i.e., with no space character used), e.g., in the following, fields 2 and 8 have missing (null) values:

“The”,,”Brown”,”Fox”,”Jumped”,”Over”,”The”,,”Dog”

## Record Delimiter

Each record (i.e., row) in the data files **must** be terminated by the CR and LF characters.

## Character values

**String values**

Strings should contain printable alphanumeric characters only

**Escape characters**

All double quote characters within the data MUST be escaped with the backslash “\” character

## Date Time Formats

To avoid misunderstanding, where date time fields are used within the file, the following format should be used (characters such as : + - should not be included)

YYYYMMDD

* The values to be used are as follows:
	+ YYYY = Year
	+ MM = Month (01-12)
	+ DD = Date (01-31)

# Data File Definition

Mandatory (M) – field **must** be populated

Conditionally Mandatory (CM) - field **must** be populated where guidance notes below instruct it

Required (R) – field **must** be populated, but **only where data is available** and **guidance notes below instruct it**

Optional (O) – Supplier may choose to include this, where data is available

Note: Only factually correct information must be submitted

## Vaccination Data Items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pos | Field Name | Data Type | Length / format / values | M/CM/R/O | Notes |
| 1 | ORGANISATION\_CODE | STRING | 3 | M | **ODS Code of organisation vaccinating child https://odsportal.digital.nhs.uk/** |
| 2 | SCHOOL\_URN | Number | 6 Chars999999 For Home Schooled888888 For unknown school | M |  |
| 3 | SCHOOL\_NAME | String |  | CM | **Required where School URN is recorded as 888888** |
| 4 | NHS\_NUMBER | String | 10 | R | **Every effort should be made to populate this, where possible**.Will be used to uniquely identify the patient. **When supplied will be validated immediately prior to submission.** Should be supplied without any padding spaces. |
| 5 | PERSON\_FORENAME | String |  | M | Patient Forename as registered on PDS. This will be one name only. This is needed for clinical safety. |
| 6 | PERSON\_SURNAME | String |  | M | Patient Surname as registered on PDS. This is needed for clinical safety. |
| 7 | PERSON\_DOB | Date | YYYYMMDD | M | Patient date of birth. This is needed for clinical safety.  |
| 8 | PERSON\_GENDER | String | Use one of the following:Not KnownMaleFemaleNot Specified | M | Patient administrative gender. Where NHS\_NUMBER cannot be populated, this field should be populated.  |
| 9 | PERSON\_POSTCODE | String | Up to 8As well as actual post codes, the following are to be used in other scenariosZZ99 3VZ No Fixed AbodeZZ99 3WZ Address Not KnownZZ99 3CZ (England/UK) Address not otherwise specifiedThe full list is currently available here: <https://www.england.nhs.uk/wp-content/uploads/2020/04/cam-2021-guidance-v2.1.pdf> | M | Patient postcode. Value should be divided into two parts (inward & outward) separated by a single space, e.g., EC1A 1BB |
| 10 | VACCINATED | String | Y/N | M | Y = Yes, N = No |
| 11 | DATE\_OF\_VACCINATION | Date | YYYYMMDD | M | The date that the vaccination administered (procedure) or not administered (situation) was recorded  |
| 12 | VACCINE\_GIVEN | String | AstraZeneca Fluenz LAIV Sanofi Pasteur QIVe Viatris Quadrivalent Influvac sub - unit Tetra - QIVeSeqirus Cell based Quadrivalent QIVc | CM | Manufacturer of vaccine product |
| 13 | BATCH\_NUMBER | String | Batch or Lot number as supplied by the manufacturer | CM | The batch/Lot number of the vaccine. |
| 14 | BATCH\_EXPIRY\_DATE | DATE | YYYYMMDD | CM | The batch expiry date  |
| 15 | ANATOMICAL\_SITE | String | Left ButtockRight ButtockLeft ThighNasalLeft Upper ArmRight Upper ArmRight Thigh | CM |  |
| 16 | PERFORMING\_PROFESSIONAL\_FORENAME | String |  | CM | Forename of Professional performing/recording the vaccination. This will be one name only.  |
| 17 | PERFORMING\_PROFESSIONAL\_SURNAME | String |  | CM | Surname of Professional performing/recording the vaccination |
| 18 | REASON\_NOT\_VACCINATED | String | Did Not AttendVaccination ContraindicatedConsent not GivenUnwellRefused  | CM | Where is vaccinated = No |
| 19 | CONSENT\_TYPE | String | Informed Patient ConsentParental ConsentCourt Appointed DeputyIndependent Mental Capacity AdvocatePower of Attorney | CM | Use the codes in the list that describes the consent type agreed. |
| 20 | LOCAL\_PATIENT\_ID | String | e.g.1) Example of a “single instance for all customers” Supplier systemACME-patient123456**NIVS Example using Cinnamon as a supplier system:****CIN – patient123456**2) Example of “per customer instance” Supplier systemACME-CUST1-pat123456ACME-CUST2-pat123456**NIVS Example using Cinnamon as a supplier system:****CIN-OXFORD-pat123456****CIN-CAMBRIDGE-pat123456** | M | Local Patient / System ID from vaccinating organisation. This must be a unique code within the vaccinating organisation |
| 21 | LOCAL\_PATIENT\_ID\_URI | String | Use the following[https://nivssais.agemcsu.nhs.uk/*yourodscode*/system (system](https://nivssais.agemcsu.nhs.uk/yourodscode/system%20%28system) number)example<https://nivssais.agemcsu.nhs.uk/0de/system1>[2](https://nivssais.agemcsu.nhs.uk/0de/system1) | M | A URI for the system that has allocated the local patient identifier.Note, this must be unique within a given Supplier system or instance of Supplier systemWhere a supplier has multiple systems, then number the systems 1,2,3,etc |