Vaccination

Technical specification for Supplier to NHS Digital delimited extract

Current version: v3.0 Approved

Version date: 27/11/2020

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# Document Management

## Revision History

|  |  |  |
| --- | --- | --- |
| Version | Date | Summary of Changes |
| 0.1 | 09Sep20 | Initial draft |
| 0.2 | 09Sep20 | Uplifted following initial review feedback from Paul Ellingham, Helen Harger, Rob Gooch, Sarah Ashcroft and Michael Goodlet |
| 1.0 | 09Sep20 | Baselined version, approved by Paul Ellingham & Rob Gooch |
| 2.0 | 17Sep20 | Appendix B Updated to include additional guidance on population of VACCINE\_PRODUCT\_CODE using indicative flu examples |
| 2.1 (draft) | 11Nov20 | Initial revision with Coronavirus vaccination included initial review commentscaptured |
| 2.2 (draft) | 11Nov20 | Draft work in progress |
| 2.3 (draft) | 19Nov20  | Final draft content post review conducted with all stakeholders at meeting on 16-Nov-2020 where all changes have been agreed. Document sent to approvers for sign-off to set document to version 3.0 Approved.  |
| 3.0 | 27Nov20 | Final pre baseline revisions agreed with all stakeholders at meeting of 18-Nov-2020. * 3.2 File Header Example corrected; deprecated data items removed
* Table entries 33 to 36 amended to allow coded values for either SNOMED or FHIR
* Table entry 45 SITE\_CODE\_TYPE\_DESCRIPTION – Deprecated
* Appendix uplifted to include suggested codes for both Flu and Coronavirus and inclusion of sample Coronavirus vaccine file

26/11/2020Additional clarifications [Identified by suppliers developing to the specification]* File Header Example updated to include CARE\_SETTING\_TYPE\_CODE & CARE\_SETTING\_TYPE\_DESCRIPTION
* Data Item 7 – Notes updated to remove ambiguous text.
* Data Item 46 – Cardinality amended to ‘M’ Mandatory to align with the Adverse Reaction Specification.
* NEW Data Item 49 - CARE\_SETTING\_TYPE\_CODE. The code was omitted during elaboration but required (mandated) for the Digi Med FHIR specification.
* NEW Data Item 50 - CARE\_SETTING\_TYPE\_DESCRIPTION. The code was omitted during elaboration but required (mandated) for the Digi Med FHIR specification.
* Appendix B – New examples provided for Data Items 49 & 50
 |

## Reviewers / Key Stakeholders

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

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## Approved by

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| Amy Bowen(via Helen Galloway & Sebastian Tallents PA Consulting)  |  | NHSE&I Optimum Value Pathways Lead | 26/11/2020 | 3.0 |
| Clinical Advisory Group N/A - TDA sign-off of these low level specs is sufficient per Helen Galloway & Sebastian Tallents PA Consulting |  | CAG Signatory Title TBC | N/A  | 3.0 |
| Phil Tregunno |  | Group ManagerVigilance, Intelligence and Research GroupMedicines and Healthcare products Regulatory Agency | 20/11/2020 | 3.0 |
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| Helen Harger |   | Clinical Advisor, NHS Digital  | 20/11/2020  | 3.0 |
| Gaynor Dalton (via Trevor Anders) |  | IG Lead | 27/11/2020 | 3.0 |

# Purpose of Document

This document defines a file extract specification for provision of vaccination information, including but not limited to, seasonal flu vaccination and Coronavirus vaccination 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 and Coronavirus mass vaccination sites & mobile hubs 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 2020 to 2021 requires IT system providers to support the seasonal flu effort by providing NHS Digital with a new feed of data to support take-up of the flu vaccine. The data will ultimately feed a call/recall facility and will only be maintained for the duration of the seasonal flu period to facilitate call/recall as and when a Covid-19 vaccination become available

# 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 major and minor specification version of the file
* The sending organisation code as agreed with NHS Digital
* The timestamp of the export in format YYYYMMDDThhmmsszz
	+ YYYY = Year
	+ MM = Month (01-12)
	+ DD = Date (01-31)
	+ T = fixed value of “T”
	+ hh = Hours (00-23)
	+ mm = Minutes (00-59)
	+ ss = Seconds (00-59)
	+ time zone offset = 00 for GMT, 01 for BST

The file extension will be “.csv”

For example:

The filenaming convention of this technical specification v3.0 (approved) version of this document, containing flu vaccination & coronavirus vaccination data:

Vaccinations\_v2\_0\_ABC123\_20201014T10081501.csv

A future hypothetical minor version update to this technical specification, e.g. v3.1 (approved) would be named e.g. as follows:

Vaccinations\_v2\_1\_ABC123\_20201014T10081501.csv

A future hypothetical major version update to this technical specification, e.g. v4.0 (approved) would be named e.g. as follows:

Vaccinations\_v3\_0\_ABC123\_20201014T10081501.csv

The original legacy filenaming convention of v2.0 (approved) version of this document, containing flu vaccination data only, did not contain major & minor versions, the following example is therefore included for comparison:

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:

NHS\_NUMBER|PERSON\_FORENAME|PERSON\_SURNAME|PERSON\_DOB|PERSON\_GENDER\_CODE|PERSON\_POSTCODE|DATE\_AND\_TIME|SITE\_CODE|UNIQUE\_ID|UNIQUE\_ID\_URI|ACTION\_FLAG|PERFORMING\_PROFESSIONAL\_FORENAME|PERFORMING\_PROFESSIONAL\_SURNAME|PERFORMING\_PROFESSIONAL\_BODY\_REG\_CODE|PERFORMING\_PROFESSIONAL\_BODY\_REG\_URI|SDS\_JOB\_ROLE\_NAME|RECORDED\_DATE|PRIMARY\_SOURCE|REPORT\_ORIGIN|VACCINATION\_PROCEDURE\_CODE|VACCINATION\_PROCEDURE\_TERM|VACCINATION\_SITUATION\_CODE|VACCINATION\_SITUATION\_TERM|NOT\_GIVEN|REASON\_NOT\_GIVEN\_CODE|REASON\_NOT\_GIVEN\_TERM|DOSE\_SEQUENCE|VACCINE\_PRODUCT\_CODE|VACCINE\_PRODUCT\_TERM|VACCINE\_MANUFACTURER|BATCH\_NUMBER|EXPIRY\_DATE|SITE\_OF\_VACCINATION\_CODE|SITE\_OF\_VACCINATION\_TERM|ROUTE\_OF\_VACCINATION\_CODE|ROUTE\_OF\_VACCINATION\_TERM|DOSE\_AMOUNT|DOSE\_UNIT\_CODE|DOSE\_UNIT\_TERM|INDICATION\_CODE|INDICATION\_TERM|NHS\_NUMBER\_STATUS\_INDICATOR\_CODE|NHS\_NUMBER\_STATUS\_INDICATOR\_DESCRIPTION|SITE\_CODE\_TYPE\_URI|LOCAL\_PATIENT\_ID|LOCAL\_PATIENT\_URI|CONSENT\_FOR\_TREATMENT\_CODE|CONSENT\_FOR\_TREATMENT\_DESCRIPTION|CARE\_SETTING\_TYPE\_CODE|CARE\_SETTING\_TYPE\_DESCRIPTION

## 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)

YYYYMMDDThhmmsszz

* The to values to be used are as follows:
	+ YYYY = Year
	+ MM = Month (01-12)
	+ DD = Date (01-31)
	+ T = fixed value of “T”
	+ hh = Hours (00-23)
	+ mm = Minutes (00-59)
	+ ss = Seconds (00-59)
	+ time zone offset = 00 for GMT, 01 for BST

# Data File Definition

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

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/R/O | Notes |
| 1 | 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. |
| 2 | PERSON\_FORENAME | String |  | M | Patient Forename as registered on PDS. This will be one name only. This is needed for clinical safety.This field must be populated. |
| 3 | PERSON\_SURNAME | String |  | M | Patient Surname as registered on PDS. This is needed for clinical safety.This field must be populated. |
| 4 | PERSON\_DOB | Date | YYYYMMDD | M | Patient date of birth. This is needed for clinical safety. This field must be populated. |
| 5 | PERSON\_GENDER\_CODE | String | Use national codes from https://datadictionary.nhs.uk/attributes/person\_gender\_code.htmlUse one of the following:0 Not Known1 Male2 Female9 Not Specified  | M | Patient administrative gender. This field must be populated. |
| 6 | PERSON\_POSTCODE | String | Up to 8As well as actual post codes, the following are to be used in other scenariosZZ99 3VZ No Fixed AbodeZZ99 3VZ Address Not KnownZ99 3CZ Address not specifiedV81999 (registered GP Practice Code not known)V81998 (registered GP Practice code not applicable)V81997 (No registered GP Practice)The full list is currently available here (see pages 8 & 103):https://www.england.nhs.uk/wp-content/uploads/2015/12/commissioner-assignment-process-flowchart-annotations.pdf | M | Patient postcode. Value should be divided into two parts (inward & outward) separated by a single space, e.g. EC1A 1BBThis field must be populated. |
| 7 | DATE\_AND\_TIME | Date time | YYYYMMDDThhmmsszzWhere timezone information is not available in the source system:a) the timezone (zz) element can be omitted, e.g. 20201214T100815b) alternatively, a hardcoded static value of "00" can be provided, e.g.20201214T10081500Where time is not captured in the source system, all the time elements can be populated with a zero, e.g. 20201214T00000000 | M | The date and time on which the vaccination intervention was carried out or was meant to be administered |
| 8 | SITE\_CODE | String |  | M | The Site Code (e.g. ODS/ORD) of the organisation that performed the vaccination.  |
| 9 | UNIQUE\_ID | String | e.g.1) UUID example:e045626e-4dc5-4df3-bc35-da25263f901e2) Example of a “single instance for all customers” Supplier systemACME-vacc1234563) Example of “per customer instance” Supplier systemACME-CUSTOMER1-vacc123456ACME-CUSTOMER2-vacc123456 | M | A unique identifier for the vaccination record, that is consistent between any subsequent update or delete records.Ideally this would be a GUID / UUIDValue in combination with UNIQUE\_ID\_URI must be globally uniqueIn other words, a combination of UNIQUE\_ID and UNIQUE\_ID\_URI act as composite primary key to allow lookup of any Adverse Reactions records from the corresponding Adverse Reaction data file. |
| 10 | UNIQUE\_ID\_URI | String | e.g. 1) Example of a “single instance for all customers” Supplier system<https://supplierABC/identifiers>/vacc2) Example of “per customer instance” Supplier systemhttps://supplierABC/ODSCode\_ NKO41/identifiers/vacc | M | A URI for the system that has allocated the vaccination identifier.Note, this must be unique within a given Supplier system or instance of Supplier system |
| 11 | ACTION\_FLAG | String | new / update / delete | M | Indication if the record is new, or has been re-submitted following an update or delete to one previously provided |
| 12 | PERFORMING\_PROFESSIONAL\_FORENAME | String |  | O | Forename of Professional performing the vaccination. This will be one name only. Where this is provided, the PERFORMING\_PROFESSIONAL\_SURNAME must also be provided |
| 13 | PERFORMING\_PROFESSIONAL\_SURNAME | String |  | O | Surname of Professional performing the vaccination. Where this is provided, the PERFORMING\_PROFESSIONAL\_FORENAME must also be provided |
| 14 | PERFORMING\_PROFESSIONAL\_BODY\_REG\_CODE | String |  | R | A value indicating the performing professional’s professional body registration code |
| 15 | PERFORMING\_PROFESSIONAL\_BODY\_REG\_URI | String | A URI e.g. from the following<https://fhir.hl7.org.uk/Id/gmc-number><https://fhir.hl7.org.uk/Id/nmc-number><https://fhir.hl7.org.uk/Id/gphc-number><https://fhir.hl7.org.uk/Id/hcpc-number> | R | A URI for the system that provides the professional body registration codes |
| 16 | SDS\_JOB\_ROLE\_NAME | String |  | O | The job role associated with the professional |
| 17 | RECORDED\_DATE | Date | YYYYMMDD | R | The date that the vaccination administered (procedure) or not administered (situation) was recorded in the source system |
| 18 | PRIMARY\_SOURCE | Boolean | TRUE / FALSE | M | An indication that the content of the record is based on information from the person who administered the vaccine. This reflects the context under which the data was originally recorded. E.g. where data has been captured directly in the source system PRIMARY\_SOURCE=TRUE, where it has not (e.g. it has been reported) then PRIMARY\_SOURCE=FALSE |
| 19 | REPORT\_ORIGIN | String(Max 100) | Code value from <http://hl7.org/fhir/stu3/valueset-immunization-origin.html> or free text(e.g. ODS codeR1LOr ODS code and description R1L - Essex University Partnership Trust (EPUT) | R | Required where PRIMARY\_SOURCE=FALSE. The source of the data when the report of the vaccination event is not based on information from the person who administered the vaccine.  |
| 20 | VACCINATION\_PROCEDURE\_CODE | String | SNOMED Concept Id | R | Required where NOT\_GIVEN=FALSE**For Coronavirus vaccination this MUST be populated**Vaccine that was administered (procedure)Refer to Appendix  |
| 21 | VACCINATION\_PROCEDURE\_TERM | String | SNOMED Term | R | Required where NOT\_GIVEN=FALSEVaccine that was administered (procedure)Refer to Appendix |
| 22 | VACCINATION\_SITUATION\_CODE | String | SNOMED Concept Id | R | Must only be populated & always populated NOT\_GIVEN=TRUE**For Coronavirus vaccination “not given” this MUST be populated**A reason why a vaccination was not administered (situation)Refer to Appendix |
| 23 | VACCINATION\_SITUATION\_TERM | String | SNOMED Term | R | Must only be populated & always populated NOT\_GIVEN=TRUEA reason why a vaccination was not administered (situation)Refer to Appendix  |
| 24 | NOT\_GIVEN | Boolean | TRUE / FALSE | M | Flag to indicate if the vaccination was NOT given  |
| 25 | REASON\_NOT\_GIVEN\_CODE | String | SNOMED Concept Id | R | Required where NOT\_GIVEN=TRUEA reason why a vaccination was not administeredRefer to Appendix |
| 26 | REASON\_NOT\_GIVEN\_TERM | String | SNOMED Term | R | Required where NOT\_GIVEN=TRUEA reason why a vaccination was not administeredRefer to Appendix |
| 27 | DOSE\_SEQUENCE | String | 1, 2 etc | O | Nominal position in a series of vaccinesN.B. This field will not always be reliable, therefore for Covid vaccinations, the vaccination procedure code or situation code should be used as that includes the dose number |
| 28 | VACCINE\_PRODUCT\_CODE | String | dm+d (SNOMED) Concept IDAMP example:39114911000001105VMP example:39115611000001103 | R | Vaccine product administerede.g. dm+d (SNOMED) Concept ID AMP (in preference) or VMP code. AMPP codes are also acceptable and are preferred over VMPP codes.Must only be populated & always populated when NOT\_GIVEN=FALSE**For Coronavirus vaccination (NOT\_GIVEN=FALSE) this MUST be populated**Refer to Appendix |
| 29 | VACCINE\_PRODUCT\_TERM | String | dm+d (SNOMED) Concept TermAMP example:“Talent 0.5ml dose solution for injection multidose vials (Secretary of State for Health)”VMP example:“Generic Courageous 30micrograms/0.3ml dose concentrate for suspension for injection multidose vials” | R | Vaccine product administerede.g. dm+d (SNOMED) Concept ID AMP or VMP term for the vaccine product Refer to Appendix |
| 30 | VACCINE\_MANUFACTURER | String |  | R | Manufacturer of vaccine product |
| 31 | BATCH\_NUMBER | String(max 100) | Derived from FMD codeOrFree text | R | The batch number of the vaccine.This should be captured at source ideally via use of automated scanning technology (GS1 GTIN / NTIN standard).**For Coronavirus vaccination (NOT\_GIVEN=FALSE) this MUST be populated** |
| 32 | EXPIRY\_DATE | String | YYYYMMDD | R | Shorter of either:Manufacturer expiry date of the vaccineORCoronavirus point of care sites will only put in the defrost expiry date  |
| 33 | SITE\_OF\_VACCINATION\_CODE | String | A SNOMED Concept ID value from UK published reference set “Vaccine body site of administration simple reference set” (1127941000000100) should be usedOr FHIR http://hl7.org/fhir/stu3/valueset-immunization-site.html | R | Body site vaccine was administered into. |
| 34 | SITE\_OF\_VACCINATION\_TERM | String | A SNOMED Term value from UK published reference set “Vaccine body site of administration simple reference set” (1127941000000100) should be usedOr FHIRhttp://hl7.org/fhir/stu3/valueset-immunization-site.html | R | Body site vaccine was administered into. |
| 35 | ROUTE\_OF\_VACCINATION\_CODE | String | A SNOMED concept ID value from either of the following should be used:UK “ePrescribing route of administration simple reference set (foundation metadata concept)” (999000051000001100)Or:UK published reference set “Vaccine route of administration simple reference set” (115231000001104)Or FHIRhttp://hl7.org/fhir/stu3/valueset-immunization-route.html | R | How vaccine entered the body**For Coronavirus vaccination this MUST be populated** **(N.B. Coronavirus vaccination are only administered via the intramuscular route)** Refer to Appendix |
| 36 | ROUTE\_OF\_VACCINATION\_TERM | String | A SNOMED Term value from either of the following should be used:UK “ePrescribing route of administration simple reference set (foundation metadata concept)” (999000051000001100)Or:UK published reference set “Vaccine route of administration simple reference set” (115231000001104)Or FHIRhttp://hl7.org/fhir/stu3/valueset-immunization-route.html | R | How vaccine entered the body(N.B. Coronavirus vaccination are only administered via the intramuscular route) Refer to Appendix  |
| 37 | DOSE\_AMOUNT | String | Decimal (max 3) | R | Amount of vaccine administered. For example: 1, 1.0 or 1.5 |
| 38 | DOSE\_UNIT\_CODE | String | dm+d (SNOMED) Concept ID | R | A dm+d (SNOMED) Concept ID value representing the Unit of measure used.For example, 3318611000001103 |
| 39 | DOSE\_UNIT\_TERM | String | dm+d (SNOMED) Term | R | A dm+d (SNOMED) Term value representing the Unit of measure used.For example, “pre-filled disposable injection” |
| 40 | INDICATION\_CODE | String | SNOMED Concept ID | R | A SNOMED Concept Id value representing the clinical indication or reason for administering or recording an historical vaccination.Refer to Appendix |
| 41 | INDICATION\_TERM | String | SNOMED Term  | R | A SNOMED Term value representing the clinical indication or reason for administering or recording an historical vaccination.Refer to Appendix |
| 42 | NHS\_NUMBER\_STATUS\_INDICATOR\_CODE | String | Code value from https://datadictionary.nhs.uk/attributes/nhs\_number\_status\_indicator\_code.html?hl=trace | M | The trace status code of the [NHS NUMBER](https://datadictionary.nhs.uk/attributes/nhs_number.html) (where provided) |
| 43 | NHS\_NUMBER\_STATUS\_INDICATOR\_DESCRIPTION | String | Description value from https://datadictionary.nhs.uk/attributes/nhs\_number\_status\_indicator\_code.html?hl=trace | R | The trace status description of the [NHS](https://datadictionary.nhs.uk/attributes/nhs_number.html) NUMBER (where provided) |
| 44 | SITE\_CODE\_TYPE\_URI | String | Organisation:<https://fhir.nhs.uk/Id/ods-organization-code>School:<https://fhir.hl7.org.uk/Id/urn-school-number>SNOMED http://snomed.info/sct | M | A code value indicating the type of site code value provided |
| 45 | LOCAL\_PATIENT\_ID | String | e.g.1) UUID example:b1dd2b55-96ad-4c9a-b65e-b560184fbb932) Example of a “single instance for all customers” Supplier systemACME-patient1234563) Example of “per customer instance” Supplier systemACME-CUSTOMER1-patient123456ACME-CUSTOMER2-patient123456 | M | Local patient identifier value for system providing the data.  Where there is no local patient identifier, provide the NHS Number  |
| 46 | LOCAL\_PATIENT\_URI | String | e.g. <https://supplierABC/identifiers>/patienthttps://supplierABC/ODSCode\_ NKO41/identifiers | 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 system |
| 47 | CONSENT\_FOR\_TREATMENT\_CODE | String  | SNOMED Concept ID. 310375005762911000000102  | R | SNOMED Concept ID (where available) relating to consent for treatment  |
| 48 | CONSENT\_FOR\_TREATMENT\_DESCRIPTION | String (max size 200) | SNOMED Term description“Immunization consent given (finding)”“Informed consent given for treatment (finding)”Or e.g. freetext“Patient consented to be given the vaccination”“Parent/carer/guardian consented for child to be given the vaccination” | R | SNOMED Term value relating to any consent obtained for the vaccination procedureOrDescription relating to any consent obtained for the vaccination procedure |
| 49 | CARE\_SETTING\_TYPE\_CODE | String | SNOMED Concept ID413294000 | M | SNOMED Concept ID for Care Setting where the vaccination information has been captured e.g. the code for Community Health Services for NHS Staff. See Appendix |
| 50 | CARE\_SETTING\_TYPE\_DESCRIPTION | String | SNOMED Term descriptionCommunity health services (qualifier value) | R | SNOMED Term Value for Care Setting where the vaccination information has been captured e.g. the description for Pharmacy Setting. See Appendix |

# Appendix A – Flu

Flu example file



For seasonal flu vaccination, the following are suggested values for some of the various fields.

**VACCINATION\_PROCEDURE**

822851000000102 Seasonal influenza vaccination (procedure)

884861000000100 Administration of first intranasal seasonal influenza vaccination (procedure)

**VACCINATION\_SITUATION**

822931000000100 Seasonal influenza vaccination declined (situation)

63281000000106 First intranasal seasonal influenza vaccination not done (situation)

**REASON\_NOT\_GIVEN**

A value from <https://fhir.hl7.org.uk/STU3/ValueSet/CareConnect-ReasonImmunizationNotAdministered-1>, as per the following

201741000000102 Did not attend child immunisation (finding)

213257006 Generally unwell (finding)

266758009 Immunization contraindicated (situation)

310376006 Immunization consent not given (finding)

281399006 Did not attend (finding)

**INDICATION**

1037351000000105 First inactivated seasonal influenza vaccination given by pharmacist (situation)

**VACCINE\_PRODUCT\_CODE**

The following are indicative examples of dm+d (SNOMED) Concept ID / Terms for the flu 2020 season, taken from the example spreadsheet below:



22704311000001109

Fluarix Tetra vaccine suspension for injection 0.5ml pre-filled syringes (GlaxoSmithKline UK Ltd) (product)

34680411000001107

Quadrivalent vaccine (split virion, inactivated) suspension for injection 0.5ml pre-filled syringes (sanofi pasteur MSD Ltd) (product)

36509011000001106

Flucelvax Tetra vaccine suspension for injection 0.5ml pre-filled syringes (Seqirus Vaccines Ltd) (product)

37547211000001103

Adjuvanted trivalent influenza vaccine (surface antigen, inactivated) suspension for injection 0.5ml pre-filled syringes (Seqirus Vaccines Ltd) (product)

In addition, where available, an AMPP (Actual Medicinal Product Pack) level code can be used (as per below).  N.B. a product level code can be used, but not a specific item level code

30935811000001107

FluMist Quadrivalent vaccine nasal suspension 0.2ml unit dose (AstraZeneca UK Ltd) 10 unit dose

# Appendix B – Coronavirus

Coronavirus example file



Current list of Covid-19 Vaccination Codes along with other SNOMED CT, dm+d, OPCS etc. documents can be found under the SNOMED CT tab here:

<https://hscic.kahootz.com/connect.ti/t_c_home/view?objectId=16878800>

For Coronavirus vaccination, the following are suggested values for some of the various fields.

**Row 20 VACCINATION\_PROCEDURE\_CODE & Row 21 VACCINATION\_PROCEDURE\_TERM**

1324681000000101 Administration of first dose of SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccine

1324691000000104 Administration of second dose of SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccine

**Row 22 VACCINATION\_SITUATION\_CODE & Row 23 VACCINATION\_SITUATION\_TERM**

1324781000000109 SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccination first dose not given

1324791000000106 SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccination second dose not given

1324741000000101 SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccination first dose declined

1324751000000103 SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccination second dose declined

**Row 25 REASON\_NOT\_GIVEN\_CODE & Row 26 REASON\_NOT\_GIVEN\_TERM**

1324721000000108 SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) vaccination dose declined

1324861000000109 SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) immunisation course abandoned

1324731000000105 SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) immunisation course not indicated

1324761000000100 SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) immunisation course contraindicated

201741000000102 Did not attend child immunisation (finding)

213257006 Generally unwell (finding)

310376006 Immunization consent not given (finding)

281399006 Did not attend (finding)

**Row 28 VACCINE\_PRODUCT\_CODE & Row 29 VACCINE\_PRODUCT\_TERM**

AMP: 39115611000001103 Courageous 30micrograms/0.3ml dose concentrate for suspension for injection multidose vials (Secretary of State for Health)

AMP: 39114911000001105 Talent 0.5ml dose solution for injection multidose vials (Secretary of State for Health)

**Row 35 ROUTE\_OF\_VACCINATION\_CODE & Row 36 ROUTE\_OF\_VACCINATION\_TERM**

SCTID: 78421000 Intramuscular route (qualifier value)

Or FHIR Equivalent

[IM](http://hl7.org/fhir/stu3/valueset-immunization-route.html) Injection, intramuscular

**Row 40 INDICATION\_CODE & Row 41 INDICATION\_TERM**

443684005|Disease outbreak (event)

**Row 49 CARE\_SETTING\_TYPE\_CODE & Row 50 CARE\_SETTING\_TYPE\_DESCRIPTION**

The following are suggested values for different care settings

***NHS Trust***

SCTID: 413294000 Community health services (qualifier value)

***Mass Vacs site***

SCTID: 310065000 Open access service (qualifier value)

***Pharmacy (PCN model, TBC)***

SCTID: 310080006 Pharmacy service (qualifier value)

***GP (PCN Model)***

SCTID: 788007007 General practice service (qualifier value)

***N.B there will be other care settings e.g. Long term residential care home, Domiciliary visit, Hospital inpatient, Secure setting (e.g. psychiatric unit), etc.***