Vaccination

Reporting Technical Data Feed Specification from NHS England to AGEM and Foundry FDP

Current version: v1.9 Approved

Version date: 09/05/2024

Contents

Document Management

Revision History

Version	Date	Summary of Changes
0.1	13/02/2023	Initial draft version
0.2	10/03/2023	Revised draft with all stakeholders and approval to baseline agreed. The adverse Reaction Export has been removed following confirmation from MHRA
1.0	13/03/2023	Document set to Approved baseline
1.1	05/04/2023	Minor revision uplift in response to issues identified during testing. Change to section 2.4 delimiter
1.2	02/05/2023	Removal of incorrect date format examples in section 5.3 (items 3 and 4) and section 6.3 (item 4)
1.3	10/05/2023	Correction of field name in ATTRIBUTE_DISPLAY_TEXT in section 8.2 Addition of ATTRIBUTE_VALUE field in section 8.3 and amended example in section 8.3.1
1.4	05/03/2024	Reworking of section 4 following changes and invitations now being issued directly by NHS England
1.5	06/03/2024	Updated following changes identified in v1.4
1.6	11/03/2024	Uplifted to NHS England template Removal of footnote in section 3 stating invitation export is not sent Following changes to section 4: • Addition of text in 4.1 describing invitation lifecycle • Amendment of section 4.2 to reflect content changes in section 4.3 • Addition of BATCH_ID • Removal of PERSON_ETHNIC_CATEGORY_CODE • Amendment to INVITE_TYPE values • Description added for INVITE_TYPE • Addition of INVITE_STATUS • Addition of ROUTING_PLAN_ID

		• ROUTING renamed as SUCCESSFUL_ROUTING and description added
		• Addition of FAILED_ROUTING
		• COHORT_TYPE renamed as CAMPAIGN_TYPE
		• Description amended for COHORT_DESCRIPTION
		• Addition of INVITATION_LANGUAGE
		• Addition of INVITATION_ADJUSTMENT
		• Removal of example file section (4.3.1)
		• Amendment of naming convention at section 4.3.2
		Policy override confirmed in sharepoint. NHS number was detected as a policy violation, but no PCD is contained in this technical specification.
1.7	18/03/2024	Uplifted to impact comments received during review of v1.6
2.0	27/03/2024	New Baselined version following updates as above
1.8	17/04/2024	Document revised back to v1.8 due to removal of invitation export section as agreed with Lead BA. This now sits as a standalone version containing all information previously reviewed and approved for prior move to v2.0. Due to this, the previous section 4 (invitations extract) has been removed from this document. Ultimately this specification will be split out into 5 separate documents, but this approach also means that there will be no knock on effect on the other feeds, particularly around changes to the filename caused by moving to a v2.0.
1.9	09/05/2024	Updated to include clarification of AGEM and Foundry feeds as provided by Angela Blakeney, including amended document title and changes to the following sections: 1. Purpose of Document 2. Data File Format 4.2 File Header 4.3 File Contents (data item 2 only) 5.2 File Header 5.3 File Contents (data item 3 only) 6.2 File Header 6.3 File Contents (data item 2 only)

Reviewed By

Redaction Rationale – The information above for 'Information Asset/Product Owner' and 'Author(s)' has been redacted as this includes personal information, this has been completed in line with Section 40 (2) of the Freedom of Information Act 2000.

This document has been reviewed by the following people:

Name	Title	Date	Version
███████████	Data Processing Service Lead, NHS England	19/03/2024	1.7
███████████	Select and Invite Product Owner, Vaccination Digital Services, NHS England	27/03/2024	1.7
███████████	Solution Architect, Vaccination Digital Services, NHS England	22/03/2024	1.7
███████████	Head of Technical Architecture, NHS Arden & GEM CSU	07/02/2023	0.1
███████	Test And Assurance Lead, Vaccination Digital Services, NHS England	07/02/2023	0.1
███████████	Delivery Manager, Vaccination Digital Services, NHS England	10/03/2023	0.2
███████████	NHS England Infocell	10/03/2023	0.2
███████████	NHS England Infocell	10/03/2023	0.2
███████████	NHS England Infocell	10/03/2023	0.2
███████████	NHS England Infocell	10/03/2023	0.2
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Approved By

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This document has been approved by the following people:

Name	Title	Date	Version
▮▮▮▮▮	NHS Infocell	10/03/2023	1.0
▮▮▮▮▮	NHS England Infocell	10/03/2023	1.0
▮▮▮▮▮	Head of Technical Architecture, NHS Arden & GEM CSU	10/03/2023	1.0
▮▮▮▮▮	Solution Architect, Vaccination Digital Services, NHS England	10/03/2023	1.0
▮▮▮▮▮	Lead Business Analyst, Vaccination Digital Services, NHS England	08/05/2024	1.9

1. Purpose of Document

This document defines a file extract specification for provision of vaccination information to AGEM. AGEM will process the information for onward transmission to Foundry Federated Data Platform (FDP) to facilitate secondary use reporting requirements. At present this applies to vaccinations for COVID-19, Seasonal Flu and MMR.

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

The document is intended to be used by:
   a) Developers in NHS England, for generating the outbound extract,
   b) Developers in recipient organisations to consume the information contained within the extract.

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

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

The process by which AGEM pseudonymises the information for onward transmission is additionally not in scope.

2. Data File Format

This section defines the required format of the file extract that NHS England will provide to AGEM so that they can Pseudonymise the NHS Number prior to the data being flowed to Foundry FDP.

2.1 File Header

Refer to Sections 4 to 7 for expected file header formats.

2.2 File Footer

A file footer will not be submitted.

2.3 Field Delimiter

Each field in the data files will be enclosed within double quotes and delimited by a pipe character "|". Pipe characters will not be included within a data field. Any files with pipe characters within a data field will be rejected.

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"
```

2.4 Record Delimiter

Each record (i.e. row) in the data files will be terminated by the Line Feed (LF) character.

2.5 Character Values

String values

Strings will contain printable characters only

Escape characters

All double quote characters within the data will be escaped with the backslash "\" character

Carriage returns/Line feeds

Carriage returns or line feeds will not be contained within data fields

2.6 Date Time Formats

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

YYYYMMDDThhmmsszz

- The 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

3. Summary of individual files in this data flow

This data flow consists of several individual .csv files, the table below summarises the files and what data is sent in each:

Export File Name	Content	Applicability
Invitation Export	A list of all eligible individuals who have been sent an invite or reminder	Flu, Covid, MMR
Vaccinations	A record for each vaccination record, and any subsequent daily update for an existing vaccination record received by NHS England	Flu, Covid, MMR
Bookings	A record for each booking made by the national or regional booking services	Flu, Covid
Eligible Individual Export	A list of all eligible individuals and in which cohorts each belongs	Flu, Covid
Extended Attributes Export	Questions and subsequent answers records on the point of care systems	Flu, Covid

4. Vaccinations

4.1 Summary

The vaccinations export will contain a record for each vaccination record event received by NHS England. It will contain details when the vaccine was administered, location and what vaccination was administered. All data items are dependent upon incoming data flows.

Where an attribute has not been provided by the source system or the NHS England processing is unable to derive the value, the row will be returned with a 'blank' / 'NULL' value. The ingesting system must ensure it can handle such records.

This will include all vaccinations – Flu, Covid and MMR. The type of vaccination can be determined from the procedure code.

A combination of the fields `VACCINATION_UNIQUE_ID_URI` and `VACCINATION_UNIQUE_ID` should be used to identify the record for delta processing.

4.2 File Header

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

File format for the Vaccination Export to AGEM is as follows:

```
ACTION_FLAG|NHS_NUMBER|DATE_AND_TIME_ADMINISTERED|RECORDED_DATE_TIME|SITE_CODE_TYPE_URI|SITE_CODE|SITE
_NAME|VACCINATION_PRODUCT_CODE|VACCINATION_PROCEDURE_CODE|ROUTE_OF_VACCINATION_CODE|SITE_OF_VACCINATIO
N_CODE|BATCH_NUMBER|VACCINATION_MANUFACTURER|DOSE_AMOUNT|NOT_GIVEN|REASON_NOT_GIVEN_CODE|AGE_ON_202103
31|CLINICALLY_EXTREMELY_VUNERABLE_INDICATOR|NHS_WORKFORCE_INDICATOR|VACCINATION_UNIQUE_ID_URI|VACCINAT
ION_UNIQUE_ID|INDICATION_CODE|INDICATION_TERM|LOCATION_CODE|LOCATION_CODE_TYPE_URI
```

File format for the Vaccination Export from AGEM to Foundry FDP is as follows:

```
ACTION_FLAG|PSEUDONYMISED_NHS_NUMBER|DATE_AND_TIME_ADMINISTERED|RECORDED_DATE_TIME|SITE_CODE_TYPE_URI|
SITE_CODE|SITE_NAME|VACCINATION_PRODUCT_CODE|VACCINATION_PROCEDURE_CODE|ROUTE_OF_VACCINATION_CODE|SITE
_OF_VACCINATION_CODE|BATCH_NUMBER|VACCINATION_MANUFACTURER|DOSE_AMOUNT|NOT_GIVEN|REASON_NOT_GIVEN_CODE
```

```
|AGE_ON_20210331|CLINICALLY_EXTREMELY_VUNERABLE_INDICATOR|NHS_WORKFORCE_INDICATOR|VACCINATION_UNIQUE_I
D_URI|VACCINATION_UNIQUE_ID|INDICATION_CODE|INDICATION_TERM|LOCATION_CODE|LOCATION_CODE_TYPE_URI
```

4.3 File Contents

Item Number	Field Name	Data Type	Length / Format / Value	Description
1	ACTION_FLAG	String	• ADD • UPD • DEL	An action code to denote whether the record is to be added (ADD), updated (UPD) or deleted (DEL).
2	NHS_NUMBER (PSEUDONYMISED_NHS_NUMBER for AGEM to Foundry FDP flow)	String	Max 10	Will be used to uniquely identify the patient prior to pseudonymisation: 10-digit number without spaces e.g. 9123456789 Pseudonymised NHS Number will be used to link patient data within Foundry FDP: 10-digit number without spaces e.g. 9123456789
3	DATE_AND_TIME_ADMINISTERED	Date/Time	YYYYMMDDThhmmsszz e.g. 20201214T10081500	The date and time that the vaccination event occurred

4	RECORDED_DATE_TIME	Date/Time	YYYYMMDDThhmmsszz e.g. 20201214T10081500	The date and time that the vaccination event was recorded in the source system
5	SITE_CODE_TYPE_URI	String		The type of LocationCode that describes the physical location where the vaccination event occurred. This will be one of the following: • **https://fhir.nhs.uk/ld/ods-organization-code** • **https://fhir.hl7.org.uk/ld/urn-school-number** • **http://snomed.info/sct** These three values represent (respectively): • ODS Codes • School URN codes • SNOMED Codes – e.g. country codes
6	SITE_CODE	String	ODS Code e.g. B0C4P Max 25 characters	The unique code for the location where the vaccination event occurred (the type of code is as defined in LocationCodeTypeURI).
7	SITE_NAME	String	Free Text Max 500 characters	The name of the location where the vaccination event occurred. **This field will be left blank subject to deprecation in the future**.

8	VACCINATION_PRODUCT_CODE	String	dm+d (SNOMED-CT) Concept ID	This indicates vaccine product administered Must be only dm+d (SNOMED-CT) Concept ID for AMP Note: AMPP, VMP or VMPP codes must not be sent
9	VACCINATION_PROCEDURE_CODE	String	SNOMED-CT Concept Id	This relates to the vaccine that was administered (procedure)
10	ROUTE_OF_VACCINATION_CODE	String	A SNOMED-CT 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)	The SNOMED CT concept code for the route the vaccine was administered.

			Max 50 characters	
11	SITE_OF_VACCINATION_CODE	String	A SNOMED-CT Concept ID value from UK published reference set "Vaccine body site of administration simple reference set" (1127941000000100) should be used Max 50 characters	The SNOMED CT concept code for the body site where the vaccination was administered.
12	BATCH_NUMBER	String (max 100)	Derived from 2D barcode Or Free text Max 30 characters	The vaccination's batch number (from the physical product).
13	VACCINE_MANUFACTURER	String	Max 250 characters	The vaccination's manufacturer name.
14	DOSE_AMOUNT	String	Decimal	The dose of vaccine administered.

			e.g. "n.nn" Max 20 characters	
15	NOT_GIVEN	Boolean	One of the following: • completed • not-given	Flag to indicate if the vaccination was NOT given One of the following: • completed • not-given
16	REASON_NOT_GIVEN_ CODE	String	SNOMED-CT Concept Id Max 50 characters	The SNOMED CT concept code for the reason not given.
17	AGE_ON_20210331	String	Max 3 characters	Age of the individual on 31st March 2021. Note: The age will be calculated from the 31-Mar-2021. **This field should not be used for future reporting as subject to deprecation**.
18	CLINICALLY_EXTREME LY_VUNERABLE_INDIC ATOR	String	Flag value of: • 'Y' Yes • 'N' No	Y/N flag indicating if the individual is part of the CEV cohort at the time the record is extracted. **This field will be left blank subject to deprecation in the future.**

19	NHS_WORKFORCE_INDICATOR	String	Flag value of: • 'Y' Yes • 'N' No	Y/N flag indicating if the individual is part of the NHSSocialCareWorker cohort at the time the record is extracted. **This field will be left blank subject to deprecation in the future.**
20	VACCINATION_UNIQUE_ID_URI	String	e.g. 1) Example of a "single instance for all customers" Supplier system https://supplierABC/identifiers/vacc 2) Example of "per customer instance" Supplier system https://supplierABC/ODSCode_ NKO41/identifiers/vacc	A URI for the system that has allocated the vaccination identifier. Foreign key, which refers to the URI for the system that has allocated the vaccination identifier.

21	VACCINATION_UNIQUE_ID	String	e.g. 1) UUID example: e045626e-4dc5-4df3-bc35-da25263f901e 2) Example of a "single instance for all customers" Supplier system ACME-vacc123456 3) Example of "per customer instance" Supplier system ACME-CUSTOMER1-vacc123456 ACME-CUSTOMER2-vacc123456	A unique identifier for the vaccination record for the recording system. SourceUniqueId in combination with SourceSystemURI can be used to join to the vaccination event. Foreign key, which refers to the unique identifier for the vaccination record, with which these screening question responses are associated.
22	INDICATION_CODE	String	SNOMED-CT Concept ID	A SNOMED-CT Concept Id value representing the clinical indication or reason for administering or recording an historical vaccination. This field is not populated for all vaccine types.

23	INDICATION_TERM	String	SNOMED-CT Term	A SNOMED-CT Term value representing the clinical indication or reason for administering or recording an historical vaccination. This field is not populated for all vaccine types. **This field will be left blank subject to deprecation in the future.**
24	LOCATION_CODE	String	ODS Code e.g. B0C4P URN Code e.g 140565	The ODS or URN code of the location where the vaccination was administered. e.g. 1 For occupational health vaccinations administered in a hospital trust by an independent healthcare provider, LOCATION_CODE must be the ODS code of the hospital trust. e.g. 2 For school vaccinations administered by a School Aged Immunisation Service provider, LOCATION_CODE must be the URN of the school where the vaccination was administered

				e.g. 3 For roving teams on care home visits, use the ODS code of the care home, where known. e.g. 4 For any other vaccinations, the ODS code for LOCATION_CODE and SITE_CODE will be the same. Where the ODS/URN code is unavailable, a default value of X99999 must be used.
25	LOCATION_CODE_TYPE_URI	String	Organisation: https://fhir.nhs.uk/Id/ods-organization-code School: https://fhir.hl7.org.uk/Id/urn-school-number	A code value indicating the type of location code value populated.

4.4 Naming Convention

For COVID-19 and Flu events, the file produced will be named in the following convention:
AGEM_FOUNDRY_VaccinationsExport_FileVersionNumber _[YYYYMMDD]_[HHMM].csv

For example: AGEM_FOUNDRY_VaccinationsExport_1_0_20200728_0904.csv

(Note: Please also note that the version number within files will be pegged to the major version of this data specification. For example, where versions 1.1, 1.2 and 1.3 have been published subsequent to a v1.0, the file name will continue to contain "v1.0". However, where a version 2.0 is published, the filename will change to reflect v2.0.)

For other vaccinations, they will be provided in their own file(s) named in the following convention:
AGEM_FOUNDRY_[VaccinationType]_VaccinationsExport_[YYYYMMDD]_[HHMM].csv

For example: AGEM_FOUNDRY_MMR_VaccinationsExport_20201111_1111.csv

The file is timestamped to indicate the date it was produced.

5. Bookings

5.1 Summary

The bookings export will contain a record for each booking made by the national or regional booking services.

The booking reference number can be used to identify any future records for delta processing, but to link back to historically provided records, it is recommended that NHS_NUMBER, BOOKING_DATE_AND_TIME and VACCINATION_TYPE be used.

5.2 File Header

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

File format for the Bookings Export to AGEM is as follows:

```
BOOKING_REFERENCE_NO|ACTION_FLAG|NHS_NUMBER|BOOKING_DATE_AND_TIME|BOOKING_STATUS|DOSE_SEQUENCE_NUMBER|
VACCINATION_TYPE|SELF_DECLARED_COHORT
```

File format for the Bookings Export form AGEM to Foundry FDP is as follows:

```
BOOKING_REFERENCE_NO|ACTION_FLAG|PSEUDONYMISED_NHS_NUMBER|BOOKING_DATE_AND_TIME|BOOKING_STATUS|DOSE_SE
QUENCE_NUMBER|VACCINATION_TYPE|SELF_DECLARED_COHORT
```

5.3 File Contents

Item Number	Field Name	Data Type	Length / Format / Value	Description
1	BOOKING_REFERENCE_NO	String	Maximum 20 characters	Identifier – allows cancellations and changes to be matched back to the original booking NOTE: With the exception of the national booking service, this unique ID will be prefixed with the identifier for the service making the booking (as agreed with SystemC e.g. "SB" for SimplyBook) – this is to ensure all booking references are unique across all services.
2	ACTION_FLAG	String	• ADD • UPD	An action code to denote whether the record is to be added (ADD) or updated (UPD).
3	NHS_NUMBER (PSEUDONYMISED_NHS_NUMBER for AGEM to Foundry FDP flow)	String	Max 10	Will be used to uniquely identify the patient prior to pseudonymisation: 10-digit number without spaces e.g. 9123456789

				Pseudonymised NHS Number will be used to link patient data within Foundry FDP: 10-digit number without spaces e.g. 9123456789
4	BOOKING_DATE_AND_TIME	Date/Time	YYYYMMDDThhmmsszz e.g. 20201214T10081500	The date that the eligible individual has booked for a Covid vaccination
5	BOOKING_STATUS	String	One of: • B - Booked • C - Cancelled • D - Did Not Attend • R – Rejected	Status for the Appointment Booking.
6	DOSE_SEQUENCE_NUMBER	String	Single integer digit	
7	VACCINATION_TYPE	String	dm+d (SNOMED-CT) Concept ID Or Free Text	This indicates vaccine product type that has been booked. Must be only dm+d (SNOMED-CT) Concept ID for AMP Note: AMPP, VMP or VMPP codes must not be sent Or A textual representation of the vaccine type booked

				Current list (indicative only):
				39115611000001103 39114911000001105 40384611000001108 39326911000001101 40801911000001102 40851611000001102 - FLUGENERIC - FLU18TO64 - FLU65PLUS - OVERSEAS
8	SELF_DECLARED_CO HORT	String	Current values are: - AtRiskIndividual - HealthWorker - UnknownUnpaidCarer - LivesWithSeverelyImm unosuppressedIndividu al - SeverelyImmunosuppre ssedIndividual PregnantIndividual	This will be used to specify the cohort to which individuals self-declare at the time of booking. cohort members. This list may be adjusted at a future date.

5.4 Naming Convention

The file produced will be named in the following convention:
AGEM_FOUNDRY_BookingsExport_FileVersionNumber _[YYYYMMDD]_[HHMM].csv

For example: 'AGEM_FOUNDRY_BookingsExport_1_0_20200728_0904.csv'

(Note: Please also note that the version number within files will be pegged to the major version of this data specification. For example, where versions 1.1, 1.2 and 1.3 have been published subsequent to a v1.0, the file name will continue to contain "v1.0". However, where a version 2.0 is published, the filename will change to reflect v2.0.)

The file is timestamped to indicate the date it was produced.

6. Eligible Individual Export

6.1 Summary

The eligible individual export will contain a list of all eligible individuals and which cohort they belong. Individual may belong to multiple cohorts in which case the file will contain multiple rows for the individual. Where an individual leaves a cohort, they will be sent through as a DEL record. This DEL record may include fields that were updated, for example, if an individual has moved out of England (removing them from a cohort) and their postcode has changed, if PDS is aware of their new postcode, it would be reflected here. The consumer may decide to process or ignore the updated information as required.

A combination of fields NHS Number, Cohort Type and Cohort Label should be used to identify the record for delta processing.

6.2 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.

File format for the Eligible Individual Export to AGEM is as follows:

```
ACTION_FLAG|NHS_NUMBER|PERSON_ETHNIC_CATEGORY_CODE|COHORT_TYPE|COHORT_DESCRIPTION|POSTCODE_OUTWARD|AGE
_ON_20210331
```

File format for the Eligible Individual Export from AGEM to Foundry FDP is as follows:

```
ACTION_FLAG|PSUEDONYMISED_NHS_NUMBER|PERSON_ETHNIC_CATEGORY_CODE|COHORT_TYPE|COHORT_DESCRIPTION|POSTCO
DE_OUTWARD|AGE_ON_20210331
```

6.3 File Contents

Item Number	Field Name	Data Type	Length / Format / Value	Description
1	ACTION_FLAG	String	• ADD • UPD • DEL	An action code to denote whether the record is to be added (ADD), updated (UPD) or deleted (DEL).
2	NHS_NUMBER (PSEUDONYMISED_NHS_NUMBER for AGEM to Foundry FDP flow)	String	Max 10	Will be used to uniquely identify the patient prior to pseudonymisation: 10-digit number without spaces e.g. 9123456789 Pseudonymised NHS Number will be used to link patient data within Foundry FDP: 10-digit number without spaces e.g. 9123456789
3	PERSON_ETHNIC_CATEGORY_CODE	String	Max 2	Ethnicity category code according to:

				https://datadictionary.nhs.uk/attributes/ ethnic_category_code_2001.html
4	COHORT_TYPE	String	• FLU • COVID • MMR	Text description of the cohort.
5	COHORT_DESCRIPTION	String	Free Text Max 100	Text description of the cohort. This will contain a string value of the description for example: • flu_morbid_obesity • flu_chronic_respiratory_disease • flu_chronic_heart_disease • flu_chronic_liver_disease The textual description will be provided for different cohort types, i.e.: • FLU CohortTypes (new cohorts for 2022/23 season): • COVID CohortTypes • MMR CohortTypes
6	POSTCODE_OUTWAR D	String	e.g. EC1A Max 5 characters	The outward part of the individual's postcode. The individual's postcode is divided into two parts (outward & inward) separated by a single space, e.g. EC1A 1BB, only the outward part is to be provided.
7	AGE_ON_20210331	String	Max 3 characters	Age of the individual on 31st March 2021. Note: The age will be calculated from the 31-Mar-2021.

				This field should not be used for future reporting as subject to deprecation.

6.4 Naming Convention

The file produced will be named in the following convention:
AGEM_FOUNDRY_EligibleIndividualExport_FileVersionNumber_[YYYYMMDD]_[HHMM].csv

For example: 'AGEM_FOUNDRY_EligibleIndividualExport_1_0_20200728_0904.csv'

(Note: Please also note that the version number within files will be pegged to the major version of this data specification. For example, where versions 1.1, 1.2 and 1.3 have been published subsequent to a v1.0, the file name will continue to contain "v1.0". However, where a version 2.0 is published, the filename will change to reflect v2.0.)

The file is timestamped to indicate the date it was produced.

7. Extended Attributes Export

7.1 Summary

The extended attributes export will contain questions and subsequent answers records on the point of care systems.

A combination of fields Vaccination Unique ID URI and Vaccination Unique ID and Attribute ID should be used to identify the record for delta processing.

7.2 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.

File format for the Extended Attributes Export is as follows:

```
ACTION_FLAG|VACCINATION_UNIQUE_ID_URI|VACCINATION_UNIQUE_ID|ATTRIBUTE_ID|ATTRIBUTE_DISPLAYED_TEXT|ATTRIBUTE_VALUE|RECORDED_DATE
```

7.3 File Contents

Item Number	Field Name	Data Type	Length / Format / Value	Description
1	ACTION_FLAG	String		An action code to denote whether the record is to be added (ADD), updated (UPD) or deleted (DEL).
2	VACCINATION_UNIQUE_ID_URI	String	e.g. 1) Example of a "single instance for all customers" Supplier system https://supplierABC/identifiers/vacc 2) Example of "per customer instance" Supplier system https://supplierABC/ODSCode_ NKO41/identifiers/vacc	**Foreign key**, which refers to the URI for the system that has allocated the vaccination identifier.
3	VACCINATION_UNIQUE_ID	String	e.g. 1) UUID example:	**Foreign key**, which refers to the unique identifier for the vaccination record, with which these screening question responses are associated.

			e045626e-4dc5-4df3-bc35-da25263f901e 2) Example of a "single instance for all customers" Supplier system ACME-vacc123456 3) Example of "per customer instance" Supplier system ACME-CUSTOMER1-vacc123456 ACME-CUSTOMER2-vacc123456	
4	ATTRIBUTE_ID	String	3-digit integer from 001-999	A unique identifier for the attribute being evaluated. Possible values for this are provided in the functional specification.
5	ATTRIBUTE_DISPLAYE D_TEXT	String	A copy of the actual attribute text which is	A de-normalised copy of the attribute text used in the vaccination event, for example "Is patient a Health Care Professional?" For audit purposes.

			shown on screen to the Healthcare professional	
6	ATTRIBUTE_VALUE	String	See relevant functional specification for acceptable values.	A value indicating the response given by the patient to the question. Allowable values determined by the functional specification. "NHS Digital Functional Spec for Additional PoC Data Capture" The latest specification is available at https://digital.nhs.uk/developer/api-catalogue/vaccination
7	RECORDED_DATE	String		The date the adverse reaction was recorded.

7.4 Naming Convention

The file produced will be named in the following convention:

AGEM_FOUNDRY_ExtendedAttributesExport__FileVersionNumber_[YYYYMMDD]_[HHMM].csv

For example: 'AGEM_FOUNDRY_ExtendedAttributesExport_1_0_20200728_0904.csv'

(Note: Please also note that the version number within files will be pegged to the major version of this data specification. For example, where versions 1.1, 1.2 and 1.3 have been published subsequent to a v1.0, the file name will continue to contain "v1.0". However, where a version 2.0 is published, the filename will change to reflect v2.0.)

The file is timestamped to indicate the date it was produced.