



Business Services Authority

NHS BSA Interoperability

Developer Guide to the NHS Business Services Authority API for Community Pharmacy Claims

ChangeLog

Version Control	Date	Author	Purpose
0.01	07 Sep 2019	Gary Warner	Initial Draft
0.02	13 Sep 2019	Gary Warner	Telecon update
0.04	04 Oct 2019	Kornel Berec	Update / Delete
0.05	08 Oct 2019	Kornel Berec	Added schema and diagram, resolved some TBC labelled items
0.06	10 Oct 2019	Kornel Berec	Added note about no exemptions in MIN_ILL type claims, changed URL's
0.07	17 Oct 2019	Kornel Berec	Added performance test output. Replaced MA certificates with IP address whitelisting. Note about GP practice instead of branch surgery.
0.08	28 Oct 2019	Kornel Berec	Added validation details from a separated document
0.09	31 March 2020	Kornel Berec	Added new Exemption category "U" and changed description of category "A"
0.10	20 April 2020	Kornel Berec	Draft - Added FluVacc
0.11	15 May	Kornel Berec	Draft - Added postcode validation details. Added Read operation. Removed schemas

	2020		
0.12	21 May 2020	Kornel Berec	Draft - Added error details and list of 2019/2020 flu vaccines
0.13	11 June 2020	Kornel Berec	Formatting
0.13	14 Aug 2020	Kornel Berec	Added 2020/2021 vaccines
0.14	1 Oct 2020	Chris Wilson	Added support for GP Referral Engagement Pathway claims.
0.15	10 Nov 2020	Chris Wilson	Appended accepted claim interface for COVID, introduced COVID_VAC claim type.
0.16	24 Nov 2020	Chris Wilson	Renamed VACCINE_ORDER to DOSE_NUMBER and changes to its corresponding value definition for claims under COVID_VAC type.
0.17	20 Jan 2021	Chris Wilson	Added GP_COVID_VAC type, TREATMENT_SUPPLEMENT under supportInfo object, example of organization extended with 'partOf', used for passing gp site ODS code under a PCN ODS code.
0.18	25 Jan 2021	Chris Wilson	Remove 'partOf' section under Organisation
0.19	8 FEB 2021	Chris Wilson	Add HOME_BOUND enum for treatment supplement
0.20	16 Feb 2021	Stephen Shephard	Add OTHER_RESIDENTIAL enum for treatment supplement
0.21	16 Feb 2021	Robert Bulmer	Moved the api documentation to a Swagger OpenAPI project and markdown format hosted in S3
0.22	03 Aug 2021	Sunil Natikar	Added new fields : PROCEDURE_CODE, VACCINATION_SITE_ODS
0.23	10 Aug 2021	Sunil Natikar	Updated facility object structure
0.24	11 Aug 2021	Sunil Natikar	Correction to facility object structure
0.25	15 Sep 2021	Sunil Natikar	Updated CPCS API with new fields
0.26	08 Nov	Sunil Natikar	Updated CPCS API with new claim type: EMG_MED_YEC and MIN_ILL_UEC

	2021		
0.27	07 Feb 2022	Dhanashree Dixit	Added new fields : REFERRER_ORG_ODS, REFERRED_ODS, ONWARD_REFERRAL_DATE
0.28	31 Oct 2022	Prathamesh Mhatre	Removed Sections : Performance testing, Future Workstreams, list of approved Vaccines

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NHS BSA and Pharmacy Claims Interoperability

This document is intended to provide pharmacy clinical service platform providers with the information necessary to submit details of service provisions to the NHS Business Services Authority (NHS BSA), to pre-populate claims to be made by community pharmacy providers.

Document Background

NHS England and Improvements announced at the end of July 2019 their five-year arrangements with community pharmacy through the national Community Pharmacy Contractual Framework (CPCF).

One of the cornerstones of the announcement was the introduction of a new Community Pharmacist Consultation Service (CPCS) which has two initial strands:

- Emergency Medicines, formalising the previous national pilot of NUMSAS; and
- Minor Illness, formalising the previous local pilots of DMIRS.

Both currently announced strands are triggered by a referral from NHS 111 telephony or NHS 111 Online. The start date of the CPCS was subsequently announced to be 29th October 2019.

The detail of the service requires that claims are made through the Manage Your Service (MYS) platform provided by the NHS BSA to community pharmacy. To ensure the maximum accuracy and efficiency of processing those claims, an API has been developed to allow software providers with the ability to populate the claims on the MYS platform through interoperable messages sent with each provision of the service with a patient.

As of 30th October 2020 this service also provides support for GP referrals, under a similar claim format to DMIRS, with cpcs type "MIN_ILL" but with a different referral identifier format. This is supported under the CPCS claims mechanism within the MYS platform.

Seasonal Influenza Advanced Service

Additionally, the NHS Community Pharmacy Seasonal Influenza Advanced Service currently has a claim mechanism through MYS. This service utilises the same API and messaging as current services.

Storyboard

This storyboard is presented as an illustration of how a workflow might be undertaken within a pharmacy clinical system interoperating with the NHS BSA. Every system connecting will have different requirements and potential user experiences and this is intended to be considered as one potential scenario for correspondents to build and reflect on.

Gregory Jones' pharmacy has a clinical service platform that is a web-based application used to record national service provisions together with locally commissioned services.

Gregory has a patient, Daniel Davies, who suffers from asthma and eczema. Gregory saw Daniel last month where he checked Daniel's inhaler technique and discussed his use of emollients. The records for that intervention were made on his PMR and saved locally. During that consultation, Gregory reminded Daniel that 'flu season was coming and that he was eligible for a seasonal influenza vaccination provided by the NHS and that he could attend the pharmacy at any time that was convenient for him.

Daniel arrives in the pharmacy in early September having failed to order his inhaler from the GP practice in good time and has run out of his reliever medication. He has phoned NHS 111 who have send a referral to the pharmacy that Daniel selected with a request to the pharmacy to consider an emergency supply for Daniel. Gregory invites him into the consultation room and identifies himself to his clinical services platform. Gregory brings up the list of outstanding referral, selects Daniel's referral record on the platform and selects the "CPCS – Emergency" to start a new intervention and provision for through the national service.

Gregory performs the normal legal, clinical and ethical checks on Daniel's request and decides that a supply of a single inhaler is appropriate and records the details on the clinical service platform.

When the service provision is complete, Gregory saves the record in on the platform and a message to the NHS BSA API is queued automatically to provide the required information for this service to populate a future claim, such as Daniel's details and the medication supplied.

Gregory then counsels Daniel on how to avoid having this problem in the future and suggests that as his condition is stable that he might be suitable for electronic repeat dispensing. Daniel thanks him and leaves the consultation room.

Before leaving the pharmacy, Daniel approaches Gregory and says that his address has changed from the one he gave NHS 111 as he was moving this weekend – which was why he had not requested his repeat in good time. Gregory writes down his new address and puts on one side to make the change to the record in due course.

A little while later, Gregory has the chance to update Daniel's consultation record and saves the consultation. Once again, a message to the NHS BSA API is queued automatically to provide the required information for this service to populate a future claim but replaces the original record at the NHS BSA.

API Connectivity

Connection to the NHS BSA API has the following criteria, as patient data is present and being transmitted:

- Over HTTPS on port 443
- Using TLSv1.2 only
- From a whitelisted set of IP addresses

Current test endpoints are:

GET <https://stg.services.nhsbsa.nhs.uk/pharmacy-cpcs-api/resources/metadata>

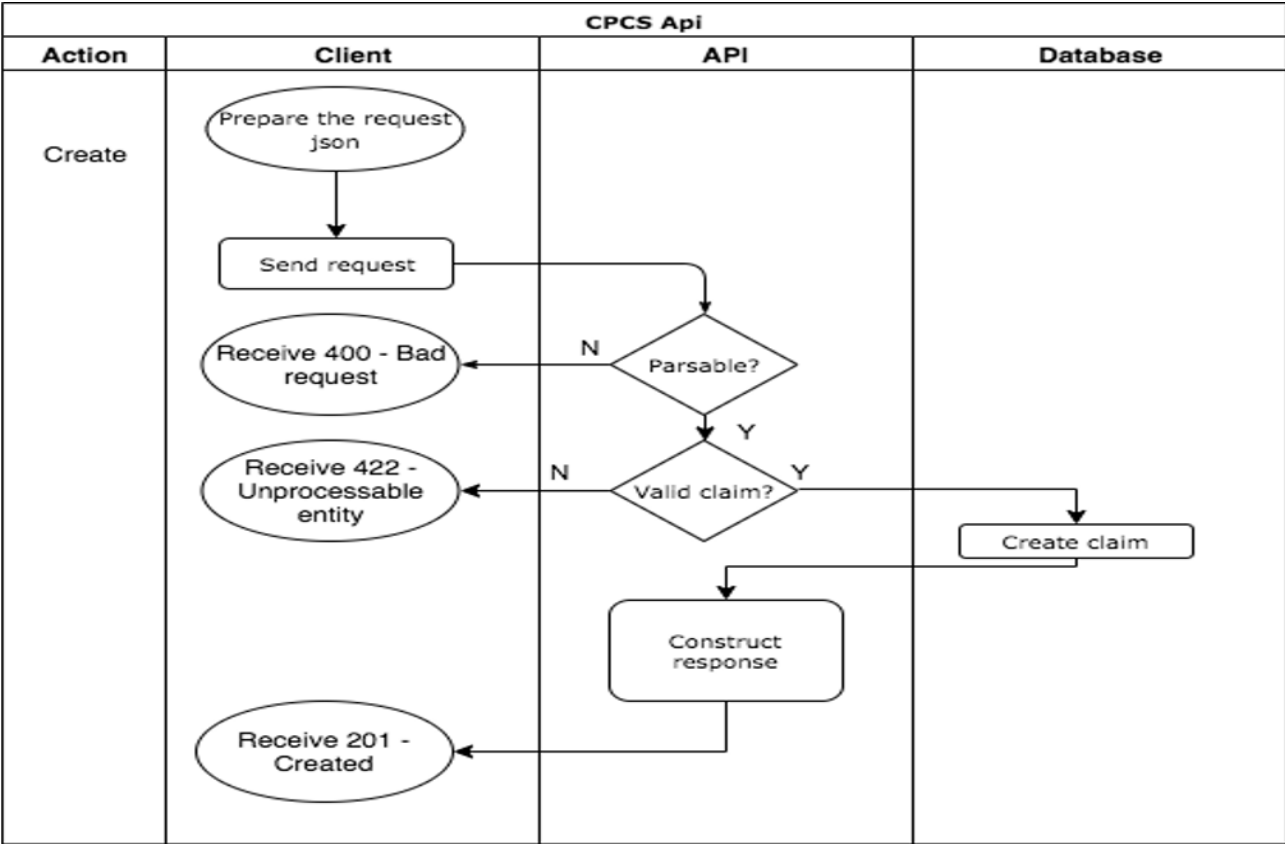
POST <https://stg.services.nhsbsa.nhs.uk/pharmacy-cpcs-api/resources/Claim>

PUT https://stg.services.nhsbsa.nhs.uk/pharmacy-cpcs-api/resources/Claim/{{CLAIM_ID}}

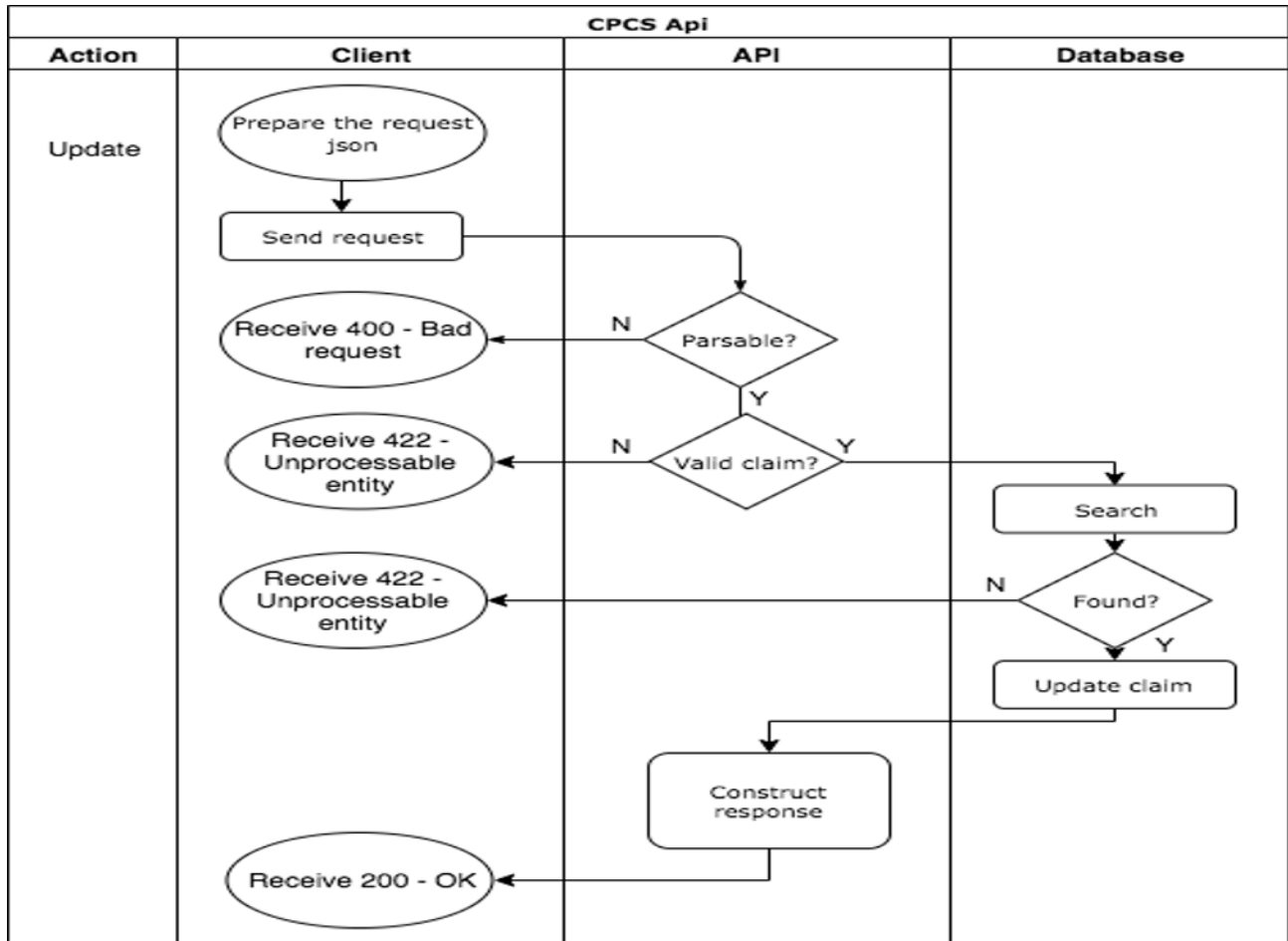
DELETE https://stg.services.nhsbsa.nhs.uk/pharmacy-cpcs-api/resources/Claim/{{CLAIM_ID}}

API Access Process Flow

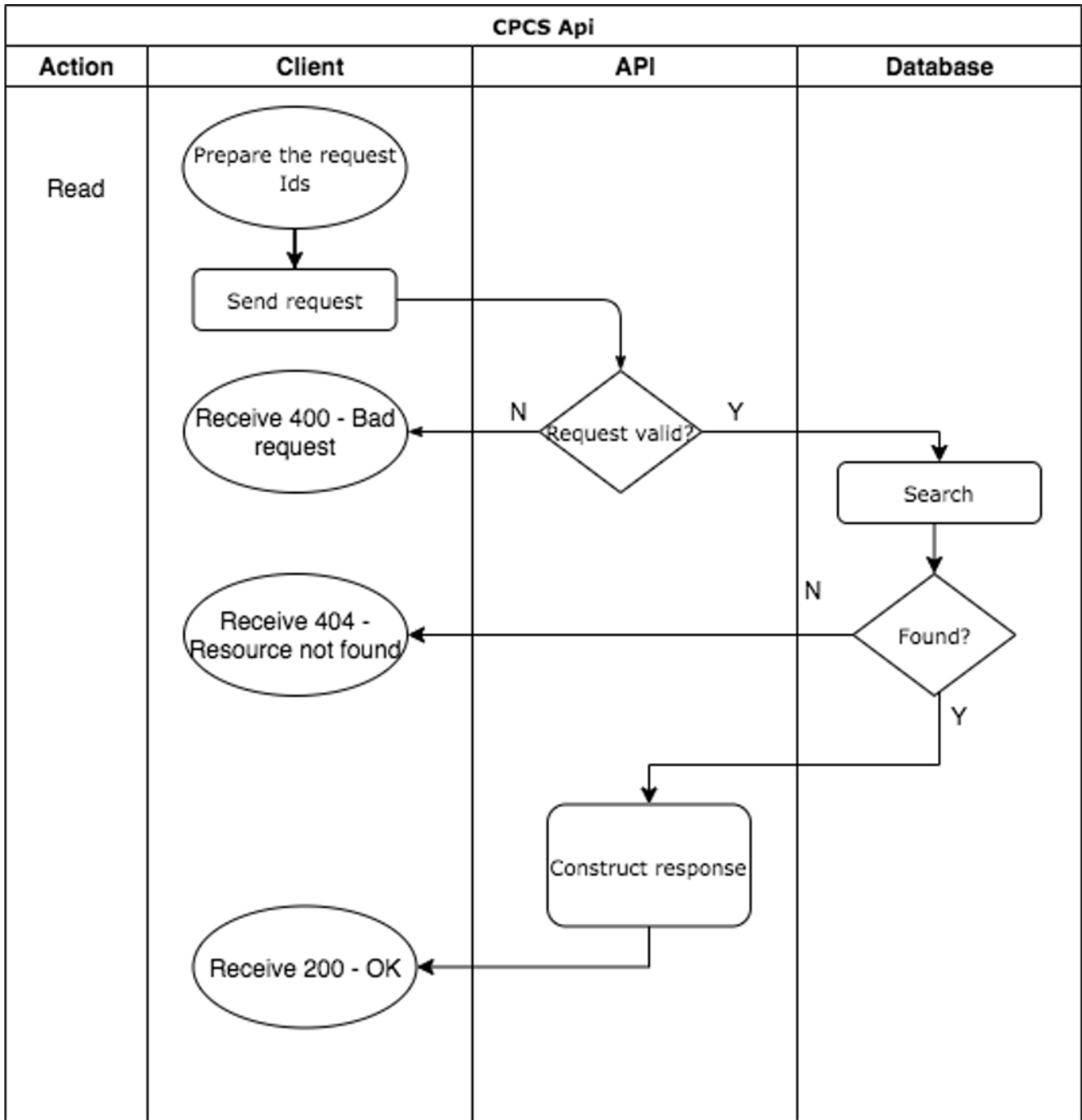
Create Process Flow



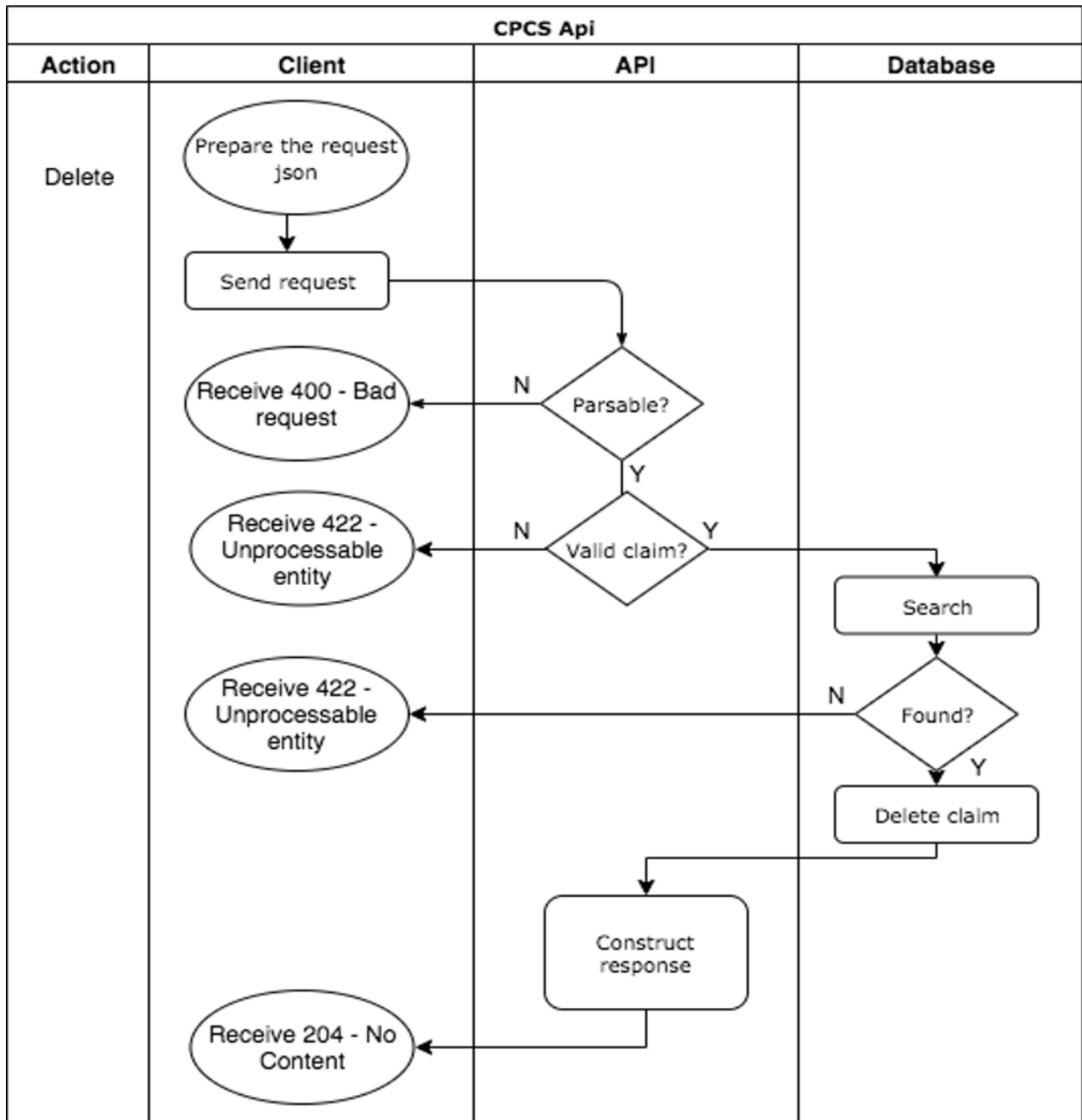
Update Process Flow



Get Process Flow



Delete Process Flow



Developer Guide to Pharmacy Claim Create

Step 1: Gather your materials

You will need the following to follow through this walkthrough:

Field	Mandatory / Optional	Description
MESSAGE_PROFILE	M	Currently there is only one message profile: https://fhir.nhsbsa.nhs.uk/StructureDefinition/CpcsToken
CLAIM_TYPE_CODE	M	Each sub-type of service claim has a specific code (see Annex – Message Profiles)
CLAIM_TYPE_DESC	M	Each sub-type of service claim has a description (see Annex – Message Profiles)
PLATFORM_DEPOSIT_ID	M	A string that uniquely identified this claim. Each platform will be provided with a pattern to use. For example, PharmOutcomes uses the pattern PEM-nnn-SPID-nnnnnn and Sonar uses the pattern SON-nnnnnnnn to uniquely identify this deposit in audits and CRUD operations. Max. size 255.
PROVISION_DATE	M	The date when the medicine was supplied. Cannot be in the month after CLAIM_MONTH_START. Min. value: 29.10.2019.
CLAIM_MONTH_START	M	The first day of the month when the medicine was supplied. Min. value: 01.10.2019.
CLAIMANT_ODS	M	The Organisational Data Service (ODS) code of the pharmacy provider who provided the service and is therefore making the claim. Additional information can be provided such as the name of the claimant, their address or phone number but these are optional currently. Regex for format [A-Za-z0-9]{1,10}. CPCS registration record declaration should exist for the pharmacy provider.
PATIENT_GIVEN	M	The patient's given name (first name for European naming conventions). Multiple given names can be provided but should be in the appropriate order. Size max 50.
PATIENT_FAMILY	M	The patient's family name (surname for European naming conventions). Size max 50.
PATIENT_DOB	M	The patient's date of birth in RFC3339 Full Date format (yyyy-mm-dd). Must be date in the past.
PATIENT_NHSNO	M	The patient's NHS Number (not non-England national identifiers). If the NHS Number is not provided, this should be populated with 0000000000. Valid NHS number by common bsa validation. Size must be 10.
PATIENT_ADDRESS	M - first line	The patient's address. This can be a list of multiple lines, but only the first four lines will be utilised by the API. Mandatory, size max 255.
PATIENT_POSTCODE	M	The patient's postcode of their address. Size max. 10, Valid postcode by common bsa validation. If not available use Z99 3CZ - valid postcode: 'England UK - not specified'
PATIENT_EXEMPT_CODE	EMG_MED: 0	For type EMG_MED only.

	MIN_ILL: N/A EMG_MED_UEC: O MIN_ILL_UEC: N/A FLU_VAC: N/A COVID_VAC: N/A	The coded reason that a patient did not pay for their medication (see Annex – Levy Exemption Codes). It will be treated as paid if this element missing. NB: Claim with type "MIN_ILL" or "MIN_ILL_UEC" does not have this in it because no medicines are supplied so there is no levy to pay. Should not be supplied for type FLU_VAC, COVID_VAC.
PATIENT_EXEMPT_DISPLAY	EMG_MED: O MIN_ILL: N/A EMG_MED_UEC: O MIN_ILL_UEC: N/A FLU_VAC: N/A COVID_VAC: N/A	For type EMG_MED only. A description of the coded reason that a patient did not pay. NB: Claim with type "MIN_ILL" or "MIN_ILL_UEC" does not have this in it because no medicines are supplied so there is no levy to pay. Should not be supplied for type FLU_VAC, COVID_VAC.
PATIENT_GPODS	O	The ODS code of the patient's GP surgery (not mandatory). This can be the ODS code of the practice and not of the branch surgery. Size max. 25.
PATIENT_GPPRACTICE	O	The name of the patient's GP surgery (not mandatory). This can be the ODS code of the practice and not of the branch surgery. Size max. 255.
PATIENT_GPADDRESS	O	The address of patient's GP surgery. This can be a list of multiple lines, but only the first four lines will be utilised by the API (not mandatory). Size max. 255.
PATIENT_GPPOSTCODE	O	The postcode of patient's GP surgery (not mandatory). Size max. 10, Valid postcode by common bsa validation.
REFERRAL_REFERENCE	EMG_MED: M MIN_ILL: M EMG_MED_UEC: M MIN_ILL_UEC: M FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	The NHS 111 call centre or online reference for the referral. Size max. 255. Mandatory for types EMG_MED, MIN_ILL, EMG_MED_UEC and MIN_ILL_UEC. Should not be supplied for type FLU_VAC, COVID_VAC. For GP Referrals should be supplied as "GP-" + {Unique_identifier}. Recommended format: "GP-" + {Caller_Identifier} + "-" + {generated_identifier}, e.g. GP-NHSBSA-123456XYZ
REFERRAL_ORG_ODS	EMG_MED: M MIN_ILL: M EMG_MED_UEC: M MIN_ILL_UEC: M FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	ODS code for referral. Size max. 10.
The following fields are required where a drug WAS supplied. Note: no information regarding drugs		

that were not supplied is required to be sent.		
DRUG_CODE	M	The AMPP SNOMED CT code of the medicine supplied. Max size 20.
DRUG_DESC	M	The AMPP SNOMED CT full description of the medicine supplied. Size max. 255.
DRUG_QTY	M	Quantity of the drug supplied. Decimal with scale of two decimal numbers. Max 999999999.99.
DRUG_UNIT	M	The units of the quantity of the drug supplied. Max size 50.
DOSE_NUMBER	EMG_MED: N/A MIN_ILL: N/A EMG_MED_UEC: N/A MIN_ILL_UEC: N/A FLU_VAC: N/A COVID_VAC: M GP_COVID_VAC: M	For Covid-19 vaccinations which require multiple dosages to be administered, used to determine any additional costs involved depending on vaccination visit type. Value should be declared as a numerical string (>0) defining the sequence order of doses, i.e. 1 for the initial dose, and >1 for booster dose(s).
TREATMENT_SUPPLEMENT	EMG_MED: N/A MIN_ILL: N/A EMG_MED_UEC: N/A MIN_ILL_UEC: N/A FLU_VAC: N/A COVID_VAC: O GP_COVID_VAC: O	For Covid-19 vaccinations which have additional information surrounding the claim which may impact the claims value. Value should be declared as a string, i.e. CARE_HOME, HOME_BOUND, OTHER_RESIDENTIAL etc.
VACCINATION_SITE_ODS	O	ODS code of the site administering the Vaccination. Max size 25. Not applicable for EMG_MED, MIN_ILL
PROCEDURE_CODE	O	The SNOMED code for the vaccination Procedure, Max size 18. Not applicable for EMG_MED, MIN_ILL
PATIENT_GENDER	O	Administrative Gender - the gender that the patient is considered to have for administration and record keeping purposes. Values: male/female/other/unknown
NO_SUPPLY_REASON	EMG_MED: O MIN_ILL: N/A EMG_MED_UEC: O MIN_ILL_UEC: N/A FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Reason for no supply. Mandatory if medication dispense status is cancelled. Annex – No supply reasons
OTHER_NO_SUPPLY_REASON	O	Free text value of reasons for no supply and mandatory only if value of NO_SUPPLY_REASON is selected as G (Other).

SUPPLY_REQUEST_REASON	EMG_MED: O MIN_ILL: N/A EMG_MED_UEC: O MIN_ILL_UEC: N/A FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Reason for supply request. Annex – Supply request reasons
OTHER_SUPPLY_REQUEST_REASON	O	Free text value of reasons for medication supply request and mandatory only if value of SUPPLY_REQUEST_REASON is selected as OTHER (Other).
MEDICATION_SUPPLY_TYPE	EMG_MED: N/A MIN_ILL: O EMG_MED_UEC: N/A MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Medication supply type. Annex – Medication supply types
REFERRER_ORG_TYPE	EMG_MED: O MIN_ILL: O EMG_MED_UEC: O MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Referrer organisation type. Annex – Referrer organisation type
REFERRER_CASE_REF	EMG_MED: O MIN_ILL: O EMG_MED_UEC: O MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	The case reference number from the referring organisation. Optional if Referral Case ID (REFERRAL_REFERENCE) is present
DISPOSITION_CODE	EMG_MED: O MIN_ILL: O EMG_MED_UEC: O MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Dx code from the 111 system resulting from the NHS Pathways (CDSS) assessment. Annex – Disposition codes

CONSULTATION_METHOD	EMG_MED: O MIN_ILL: O EMG_MED_UEC: O MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Type of consultation conducted. Annex – Consultation methods
CONSULTATION_OUTCOME	EMG_MED: O MIN_ILL: O EMG_MED_UEC: O MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Outcome of the consultation conducted. Annex – Consultation outcomes
OTHER_CONSULTATION_OUTCOME	O	Free text value for other outcome of the consultation conducted and mandatory only if value of CONSULTATION_OUTCOME is selected as OTHER (Other).
SIGNPOSTED_TO	EMG_MED: O MIN_ILL: O EMG_MED_UEC: O MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Details of where patient has been signposted to. Annex – Signposted to
OTHER_SIGNPOSTED_TO	O	Free text value for other signposted to and mandatory only if value of SIGNPOSTED_TO is selected as option OTHER.
ESCALATED_TO	EMG_MED: O MIN_ILL: O EMG_MED_UEC: O MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Details of where patient has been escalated to. Annex – Escalated to
INCIDENT	EMG_MED: O MIN_ILL: O EMG_MED_UEC: O MIN_ILL_UEC: O FLU_VAC: N/A COVID_VAC:	Confirmation of whether the pharmacist would like to report an incident or send a message to CPCS commissioners. Values : Y or N

	N/A GP_COVID_VAC: N/A	
PRESENTING_COMPLAINT_OR_ISSUES	EMG_MED: N/A MIN_ILL: 0 EMG_MED_UEC: N/A MIN_ILL_UEC: 0 FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	The health problem or issue experienced by the patient. Freetext values with max size 250 chars.
ONWARD_REFERRAL_REASON	EMG_MED: N/A MIN_ILL: 0 EMG_MED_UEC: N/A MIN_ILL_UEC: 0 FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Reason (free text value) for onward referral. Max size 250.
REFERRED_ODS	EMG_MED: N/A MIN_ILL: 0 EMG_MED_UEC: N/A MIN_ILL_UEC: 0 FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	The ODS code, of the organisation being referred to. Size max. 10.
ONWARD_REFERRAL_DATE	EMG_MED: N/A MIN_ILL: 0 EMG_MED_UEC: N/A MIN_ILL_UEC: 0 FLU_VAC: N/A COVID_VAC: N/A GP_COVID_VAC: N/A	Date of onward referral. Format. YYYY-MM-DD

Step 2: Prepare the Claim JSON

The message containing the claim information should follow the FHIR R4 schema distributed by email.

Important: The NHS Digital standard is currently FHIR STU3 for all messaging; but the NHS BSA interface uses FHIR Release 4 (R4) and there are element types within the profile that are not present in FHIR STU3.

The message must be utf-8 encoded. No XML messages are accepted.

In the example below, two medications were provided for a patient who was exempt from paying a prescription levy charge. In the example, UUIDs have been populated – these should be generated on the wire in a normal production environment.

Not all system identifiers, such as "<https://fhir.nhsbsa.nhs.uk/Id/UrgentCareReference>" in the example below, are available from the API server as accessible schemas and should be used verbatim

```
{
  "resourceType": "Claim",
  "meta": {
    "profile": [
      "{{MESSAGE_PROFILE}}"
    ]
  },
  "contained": [
    {
      "resourceType": "Organization",
      "id": "308d7201-ed47-4360-ac5b-0d523001c6d5",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/Organization"
        ]
      },
      "identifier": [
        {
          "system": "https://fhir.nhs.uk/Id/ods-organization-code",
          "value": "{{CLAIMANT_ODS}}"
        }
      ]
    },
    {
      "resourceType": "Organization",
      "id": "6306ddeb-ad11-43fc-b6ed-de47dfc9e0ef",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/Organization"
        ]
      },
      "identifier": [
        {
          "system": "https://fhir.nhs.uk/Id/ods-organization-code",
          "value": "{{PATIENT_GPODS}}"
        }
      ],
      "name": "{{PATIENT_GPPRACTICE}}",
      "address": [
        {
          "line": [
            {{ PATIENT_GPADDRESS }}
          ],
          "postalCode": "{{PATIENT_GPOSTCODE}}"
        }
      ]
    },
    {
      "resourceType": "Patient",
      "id": "4812c16e-d9e7-46ea-86cb-65fcdc19faab",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/Patient"
        ]
      }
    }
  ]
}
```

```

},
"identifier": [
  {
    "system": "https://fhir.nhs.uk/Id/nhs-number",
    "value": "{{PATIENT_NHSNO}}"
  }
],
"name": [
  {
    "use": "official",
    "family": "{{PATIENT_FAMILY}}",
    "given": [
      "{{PATIENT_GIVEN}}"
    ]
  }
],
"birthDate": "{{PATIENT_DOB}}",
"gender": "{{PATIENT_GENDER}}",
"address": [
  {
    "use": "home",
    "line": [
      {{ PATIENT_ADDRESS }}
    ],
    "postalCode": "{{PATIENT_POSTCODE}}"
  }
],
"generalPractitioner": [
  {
    "reference": "#6306ddeb-ad11-43fc-b6ed-de47dfc9e0ef"
  }
]
},
{
  "resourceType": "ServiceRequest",
  "id": "75a9f2ad-fdaf-4661-a7ce-f1098547d322",
  "meta": {
    "profile": [
      "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
    ]
  },
  "identifier": [
    {
      "system": "https://fhir.nhsbsa.nhs.uk/Id/UrgentCareReference",
      "value": "{{REFERRAL_REFERENCE}}"
    }
  ],
  "locationCode":{
    "coding":[
      {
        "system":"https://fhir.nhs.uk/Id/ods-organization-code",
        "code":"{{REFERRER_ORG_ODS}}"
      }
    ]
  }
},
{

```

```

"resourceType": "MedicationDispense",
"id": "1",
"meta": {
  "profile": [
    "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
  ]
},
"status": "cancelled",
"medicationCodeableConcept": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "{{DRUG_CODE1}}",
      "display": "{{DRUG_DESC1}}"
    }
  ]
},
"statusReasonCodeableConcept": {
  "coding": [{
    "system": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-NoSupplyType",
    "code": "{{NO_SUPPLY_REASON}}",
    "display": "Patient/Patient's representative did not make contact "
  }],
  "text": "{{OTHER_NO_SUPPLY_REASON}}"
}
},
{
  "resourceType": "MedicationDispense",
  "id": "2",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
    ]
  },
  "contained": [
    {
      "resourceType": "ServiceRequest",
      "id": "supplyRequest1",
      "meta": {
        "profile": [
          "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
        ]
      },
      "reasonCode" : [{
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/medication-supply-request-reasons",
            "code": "{{SUPPLY_REQUEST_REASON}}"
          }
        ],
        "text": "{{OTHER_SUPPLY_REQUEST_REASON}}"
      }
    ]
  }
},
"status": "completed",
"medicationCodeableConcept": {
  "coding": [

```

```

    {
      "system": "http://snomed.info/sct",
      "code": "{{DRUG_CODE}}",
      "display": "{{DRUG_DESC}}"
    }
  ]
},
"quantity": {
  "value": "{{DRUG_QTY}}",
  "unit": "{{DRUG_UNIT}}",
  "system": "http://unitsofmeasure.org"
},
"whenHandedOver": "{{PROVISION_DATE}}",
"type": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/medication-supply-type",
      "code": "{{MEDICATION_SUPPLY_TYPE}}"
    }
  ]
},
"supportingInformation" : [
  {
    "reference": "#supplyRequest1"
  }
]
}
],
"extension": [
  {
    "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-ExemptionType",
    "valueCodeableConcept": {
      "coding": [
        {
          "system": "https://fhir.nhsbsa.nhs.uk/Id/ExemptionType",
          "code": "F",
          "display": "Prescription pre-payment certificate (PPC)"
        }
      ]
    }
  }
],
{
  "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",
  "valueReference": {
    "reference": "#b782e4e8-3901-464a-a3dc-2c286c0a6964"
  }
},
{
  "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",
  "valueReference": {
    "reference": "#79345ce6-afb3-4929-b76c-6c7993ff4f4b"
  }
}
],
"type": {
  "coding": [
    {

```

```

    "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsType",
    "code": "{{CLAIM_TYPE_CODE}}",
    "display": "{{CLAIM_TYPE_DESC}}"
  }
]
},
"identifier": [
  {
    "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsClientReference",
    "value": "{{DEPOSIT_ID}}"
  }
],
"patient": {
  "reference": "#4812c16e-d9e7-46ea-86cb-65fcdc19faab"
},
"provider": {
  "reference": "#308d7201-ed47-4360-ac5b-0d523001c6d5"
},
"referral": {
  "reference": "#75a9f2ad-fdaf-4661-a7ce-f1098547d322"
},
"billablePeriod": {
  "start": "{{CLAIM_MONTH_START}}"
},
"facility": {
  "type": "Location",
  "identifier": {
    "system": "https://fhir.nhs.uk/Id/ods-organization-code",
    "value": "{{VACCINATION_SITE_ODS}}"
  }
},
"supportingInfo": [
  {
    "sequence": 1,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "DOSE_NUMBER"
        }
      ]
    },
    "valueString": "{{1,2,3...}}"
  },
  {
    "sequence": 2,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "TREATMENT_SUPPLEMENT"
        }
      ]
    },
    "valueString": "{{CARE_HOME,HOME_BOUND,OTHER_RESIDENTIAL}}"
  },
  {

```

```

"sequence": 3,
"category": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
      "code": "PROCEDURE_CODE"
    }
  ]
},
"valueString": "{{PROCEDURE_CODE}}"
},
{
  "sequence":4,
  "category":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
      "code":"REFERRER_ORG_TYPE"
    }
  ]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/referrer-organisation-type",
    "code":"{{REFERRER_ORG_TYPE}}"
  }
]
}
},
{
  "sequence":5,
  "category":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
      "code":"REFERRER_CASE_REF"
    }
  ]
},
"valueString":"{{REFERRER_CASE_REF}}"
},
{
  "sequence":6,
  "category":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
      "code":"DISPOSITION_CODE"
    }
  ]
},
"valueString":"{{DISPOSITION_CODE}}"
},
{
  "sequence":7,
  "category":{

```



```

"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"CONSULTATION_METHOD"
  }
]
},
"code":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/consultation-method",
      "code":"{{CONSULTATION_METHOD}}"
    }
  ]
}
},
{
  "sequence":8,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"CONSULTATION_OUTCOME"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/consultation-outcome",
        "code":"{{CONSULTATION_OUTCOME}}"
      }
    ],
    "text":"{{OTHER_CONSULTATION_OUTCOME}}"
  }
},
{
  "sequence":9,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"SIGNPOSTED_T0"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/signposted-to",
        "code":"{{SIGNPOSTED_T0}}"
      }
    ],
    "text": {{OTHER_SIGNPOSTED_T0}}
  }
},
{

```

```

"sequence":10,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"ESCALATED_T0"
  }
]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/escalated-to",
    "code":"{{ESCALATED_T0}}"
  }
]
}
},
{
"sequence":11,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"INCIDENT"
  }
]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/v2-0532",
    "code":"{{INCIDENT}}"
  }
]
}
},
{
"sequence":12,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"PRESENTING_COMPLAINT_OR_ISSUES"
  }
]
},
"valueString":"{{PRESENTING_COMPLAINT_OR_ISSUES}}"
},
{
"sequence":13,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"ONWARD_REFERRAL_REASON"
  }
]
}
}

```

```

    ]
  },
  "valueString": "{{ONWARD_REFERRAL_REASON}}"
},
{
  "sequence": 14,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "REFERRED_ODS"
      }
    ]
  },
  "valueString": "{{REFERRED_ODS}}"
},
{
  "sequence": 15,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "ONWARD_REFERRAL_DATE"
      }
    ]
  },
  "timingDate": "{{ONWARD_REFERRAL_DATE}}"
}
]
}

```

Step 3: Send the Claim Message

You can now prepare and make a POST call to the NHSBSA API with the following pattern.

Note: This is not an ITK3 message, so there is no Bundle or Message Header required.

Type	Description
URL	https://stg.services.nhsbsa.nhs.uk/pharmacy-cpcs-api/resources/Claim
Http Headers	Content-Type: application/json, Accept: application/json, Cache-Control: no-cache
Body	JSON

Step 4: Receive your response

A successful response will be sent synchronously within 30 seconds [DN: To check] with an http code 201 (Created) and contain a JSON representation of an object in the body of the response, containing the claim ID.

```

{
  "resourceType": "Claim",
  "id": "{{CLAIM_ID}}",
  "meta": {
    "profile": [
      "{{MESSAGE_PROFILE}}"
    ]
  },
  "contained": [

```

```

{
  "resourceType": "MedicationDispense",
  "id": "1",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
    ]
  },
  "status": "cancelled",
  "medicationCodeableConcept": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "{{DRUG_CODE1}}",
        "display": "{{DRUG_DESC1}}"
      }
    ]
  },
  "statusReasonCodeableConcept": {
    "coding": [{
      "system": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-NoSupplyType",
      "code": "{{NO_SUPPLY_REASON}}",
      "display": "Patient/Patient's representative did not make contact "
    }],
    "text": "{{OTHER_NO_SUPPLY_REASON}}"
  }
},
{
  "resourceType": "MedicationDispense",
  "id": "2",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
    ]
  },
  "status": "completed",
  "contained": [
    {
      "resourceType": "ServiceRequest",
      "id": "supplyRequest1",
      "meta": {
        "profile": [
          "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
        ]
      },
      "reasonCode": [{
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/medication-supply-request-reasons",
            "code": "{{SUPPLY_REQUEST_REASON}}"
          }
        ],
        "text": "{{OTHER_SUPPLY_REQUEST_REASON}}"
      }
    ]
  }
},
"medicationCodeableConcept": {

```

```

"coding": [
  {
    "system": "http://snomed.info/sct",
    "code": "{{DRUG_CODE}}",
    "display": "{{DRUG_DESC}}"
  }
]
},
"quantity": {
  "value": {{DRUG_QTY}},
  "unit": "{{DRUG_UNIT}}",
  "system": "http://unitsofmeasure.org"
},
"whenHandedOver": "{{PROVISION_DATE}}",
"type": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/medication-supply-type",
      "code": "{{MEDICATION_SUPPLY_TYPE}}"
    }
  ]
},
"supportingInformation" : [
  {
    "reference": "#supplyRequest1"
  }
]
},
{
  "resourceType": "Patient",
  "id": "3",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/Patient"
    ]
  },
  "identifier": [
    {
      "system": "https://fhir.nhs.uk/Id/nhs-number",
      "value": "{{PATIENT_NHSNO}}"
    }
  ],
  "name": [
    {
      "use": "official",
      "family": "{{PATIENT_FAMILY}}",
      "given": [
        "{{PATIENT_GIVEN}}"
      ]
    }
  ],
  "birthDate": "{{PATIENT_DOB}}",
  "gender": "{{PATIENT_GENDER}}",
  "address": [
    {
      "use": "home",
      "line": [

```

```

        {{ PATIENT_ADDRESS }}
    ],
    "postalCode": "{{PATIENT_POSTCODE}}"
}
],
"generalPractitioner": [
    {
        "reference": "#4"
    }
]
},
{
    "resourceType": "Organization",
    "id": "4",
    "meta": {
        "profile": [
            "http://hl7.org/fhir/StructureDefinition/Organization"
        ]
    },
    "identifier": [
        {
            "system": "https://fhir.nhs.uk/Id/ods-organization-code",
            "value": "{{PATIENT_GPODS}}"
        }
    ],
    "name": "{{PATIENT_GPPRACTICE}}",
    "address": [
        {
            "line": [
                {{ PATIENT_GPADDRESS }}
            ],
            "postalCode": "{{PATIENT_GPPOSTCODE}}"
        }
    ]
},
{
    "resourceType": "Organization",
    "id": "5",
    "meta": {
        "profile": [
            "http://hl7.org/fhir/StructureDefinition/Organization"
        ]
    },
    "identifier": [
        {
            "system": "https://fhir.nhs.uk/Id/ods-organization-code",
            "value": "{{CLAIMANT_ODS}}"
        }
    ]
},
{
    "resourceType": "ServiceRequest",
    "id": "6",
    "meta": {
        "profile": [
            "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
        ]
    }
}

```

```

    },
    "identifier": [
      {
        "system": "https://fhir.nhsbsa.nhs.uk/Id/UrgentCareReference",
        "value": "{{REFERRAL_REFERENCE}}"
      },
    ],
    "locationCode": {
      "coding": [
        {
          "system": "https://fhir.nhs.uk/Id/ods-organization-code",
          "code": "{{REFERRER_ORG_ODS}}"
        }
      ]
    }
  ],
  ],
  "extension": [
    {
      "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-ExemptionType",
      "valueCodeableConcept": {
        "coding": [
          {
            "system": "https://fhir.nhsbsa.nhs.uk/Id/ExemptionType",
            "code": "{{PATIENT_EXEMPT_CODE}}",
            "display": "{{PATIENT_EXEMPT_DISPLAY}}"
          }
        ]
      }
    },
    {
      "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",
      "valueReference": {
        "reference": "#1"
      }
    },
    {
      "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",
      "valueReference": {
        "reference": "#2"
      }
    }
  ],
  "identifier": [
    {
      "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsClientReference",
      "value": "{{DEPOSIT_ID}}"
    }
  ],
  "type": {
    "coding": [
      {
        "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsType",
        "code": "{{CLAIM_TYPE_CODE}}",
        "display": "{{CLAIM_TYPE_DESC}}"
      }
    ]
  },

```

```

"patient": {
  "reference": "#3"
},
"billablePeriod": {
  "start": "{{CLAIM_MONTH_START}}"
},
"provider": {
  "reference": "#5"
},
"referral": {
  "reference": "#6"
},
"facility": {
  "type": "Location",
  "identifier": {
    "system": "https://fhir.nhs.uk/Id/ods-organization-code",
    "value": "{{VACCINATION_SITE_ODS}}"
  }
},
"supportingInfo":[
  {
    "sequence":1,
    "category":{
      "coding":[
        {
          "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code":"DOSE_NUMBER"
        }
      ]
    },
    "valueString":"{{1,2,3...}}"
  },
  {
    "sequence":2,
    "category":{
      "coding":[
        {
          "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code":"TREATMENT_SUPPLEMENT"
        }
      ]
    },
    "valueString":"{{CARE_HOME,HOME_BOUND,OTHER_RESIDENTIAL}}"
  },
  {
    "sequence": 3,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "PROCEDURE_CODE"
        }
      ]
    },
    "valueString": "{{PROCEDURE_CODE}}"
  },
  {

```



```
"sequence":4,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"REFERRER_ORG_TYPE"
  }
]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/referrer-organisation-type",
    "code":"{{REFERRER_ORG_TYPE}}"
  }
]
}
},
{
"sequence":5,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"REFERRER_CASE_REF"
  }
]
},
"valueString":"{{REFERRER_CASE_REF}}"
},
{
"sequence":6,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"DISPOSITION_CODE"
  }
]
},
"valueString":"{{DISPOSITION_CODE}}"
},
{
"sequence":7,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"CONSULTATION_METHOD"
  }
]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/consultation-method",
    "code":"{{CONSULTATION_METHOD}}"
  }
]
}
```

```

    }
  ]
}
},
{
  "sequence":8,
  "category":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
      "code":"CONSULTATION_OUTCOME"
    }
  ]
},
  "code":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/consultation-outcome",
      "code":"{{CONSULTATION_OUTCOME}}"
    }
  ],
  "text":"{{OTHER_CONSULTATION_OUTCOME}}"
}
},
{
  "sequence":9,
  "category":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
      "code":"SIGNPOSTED_T0"
    }
  ]
},
  "code":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/signposted-to",
      "code":"{{SIGNPOSTED_T0}}"
    }
  ],
  "text": {{OTHER_SIGNPOSTED_T0}}
}
},
{
  "sequence":10,
  "category":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
      "code":"ESCALATED_T0"
    }
  ]
},
  "code":{
  "coding":[
    {

```

```

        "system": "http://terminology.hl7.org/CodeSystem/escalated-to",
        "code": "{{ESCALATED_T0}}"
    }
]
},
{
    "sequence": 11,
    "category": {
        "coding": [
            {
                "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
                "code": "INCIDENT"
            }
        ]
    },
    "code": {
        "coding": [
            {
                "system": "http://terminology.hl7.org/CodeSystem/v2-0532",
                "code": "{{INCIDENT}}"
            }
        ]
    }
},
{
    "sequence": 12,
    "category": {
        "coding": [
            {
                "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
                "code": "PRESENTING_COMPLAINT_OR_ISSUES"
            }
        ]
    },
    "valueString": "{{PRESENTING_COMPLAINT_OR_ISSUES}}"
},
{
    "sequence": 13,
    "category": {
        "coding": [
            {
                "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
                "code": "ONWARD_REFERRAL_REASON"
            }
        ]
    },
    "valueString": "{{ONWARD_REFERRAL_REASON}}"
},
{
    "sequence": 14,
    "category": {
        "coding": [
            {
                "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
                "code": "REFERRED_ODS"
            }
        ]
    }
}

```

```

    ]
  },
  "valueString": "{{REFERRED_ODS}}"
},
{
  "sequence": 15,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "ONWARD_REFERRAL_DATE"
      }
    ]
  },
  "timingDate": "{{ONWARD_REFERRAL_DATE}}"
}
]
}

```

Other potential responses:

400 – Bad Request (unparseable or other major issue).

Contains a JSON representation of an `OperationOutcome` resource in the body of the response:

```

{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "processing",
      "diagnostics": "Failed to parse request body as JSON resource. Error was: Invalid attribute value \"\": Attribute values must not be empty (\"\")"
    }
  ]
}

```

422 – Unprocessable Entity (json parseable but not conformant).

Contains a JSON representation of an `OperationOutcome` resource in the body of the response.

This can be responded also:

- if the organization has not accepted CPCS declaration.
- if the monthly submission is already done.
- if the billing period is out of the allowed range.
- if `DEPOSIT_ID` already exists (as it should be unique)

```

{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "invalid",
      "diagnostics": "Patient address line 1 is mandatory"
    },
    {
      "severity": "error",
      "code": "invalid",

```

```
"diagnostics": "patientAddressLine1 must not be blank"
},
{
  "severity": "error",
  "code": "invalid",
  "diagnostics": "patientAddressLine1 size must be between 1 and 255"
},
{
  "severity": "error",
  "code": "invalid",
  "details": {
    "coding": [
      {
        "system": "https://fhir.nhsbsa.nhs.uk/Id/CustomIssueType",
        "code": "MSG_DUPLICATE_DEPOSIT_ID",
        "display": "DEPOSIT_ID already exists"
      }
    ]
  },
  "diagnostics": "Api client id PEM-4-SPID-12345678 already exists"
}
]
}
```

500 – Unexpected error.

Contains a JSON representation of an OperationOutcome resource in the body of the response:

```
{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "processing",
      "diagnostics": "Unexpected exception"
    }
  ]
}
```

Developer Guide to Pharmacy Claim Amendments

Step 1: Gather your materials

You will need the data described in section Developer Guide to Pharmacy Claim Create.

Apart from that the additional data needed:

Property	Description
CLAIM_ID	Id of the claim in NHSBSA. Generated when the record is saved. Included in the response of POST (create).

Step 2: Prepare the Claim JSON

In the example below, some of the details of the patient were changed and the resource is sent with the updated details .

```
{
  "resourceType": "Claim",
  "id": "{{CLAIM_ID}}",
  "meta": {
    "profile": [
      "{{MESSAGE_PROFILE}}"
    ]
  },
  "contained": [
    {
      "resourceType": "Organization",
      "id": "308d7201-ed47-4360-ac5b-0d523001c6d5",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/Organization"
        ]
      },
      "identifier": [
        {
          "system": "https://fhir.nhs.uk/Id/ods-organization-code",
          "value": "{{CLAIMANT_ODS}}"
        }
      ]
    },
    {
      "resourceType": "Organization",
      "id": "6306ddeb-ad11-43fc-b6ed-de47dfc9e0ef",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/Organization"
        ]
      },
      "identifier": [
        {
          "system": "https://fhir.nhs.uk/Id/ods-organization-code",
          "value": "{{PATIENT_GPODS}}"
        }
      ],
      "name": "{{PATIENT_GPPRACTICE}}",
      "address": [
        {
```

```

        "line": [
            {{ PATIENT_GPADDRESS }}
        ],
        "postalCode": "{{PATIENT_GPPOSTCODE}}"
    }
]
},
{
    "resourceType": "Patient",
    "id": "4812c16e-d9e7-46ea-86cb-65fcdc19faab",
    "meta": {
        "profile": [
            "http://hl7.org/fhir/StructureDefinition/Patient"
        ]
    },
    "identifier": [
        {
            "system": "https://fhir.nhs.uk/Id/nhs-number",
            "value": "{{PATIENT_NHSNO}}"
        }
    ],
    "name": [
        {
            "use": "official",
            "family": "{{PATIENT_FAMILY}}",
            "given": [
                "{{PATIENT_GIVEN}}"
            ]
        }
    ],
    "birthDate": "{{PATIENT_DOB}}",
    "gender": "{{PATIENT_GENDER}}",
    "address": [
        {
            "use": "home",
            "line": [
                {{ PATIENT_ADDRESS }}
            ],
            "postalCode": "{{PATIENT_POSTCODE}}"
        }
    ],
    "generalPractitioner": [
        {
            "reference": "#6306ddeb-ad11-43fc-b6ed-de47dfc9e0ef"
        }
    ]
},
{
    "resourceType": "ServiceRequest",
    "id": "75a9f2ad-fdaf-4661-a7ce-f1098547d322",
    "meta": {
        "profile": [
            "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
        ]
    },
    "identifier": [
        {

```

```

    "system": "https://fhir.nhsbsa.nhs.uk/Id/UrgentCareReference",
    "value": "{{REFERRAL_REFERENCE}}"
  }
],
"locationCode":{
  "coding":[
    {
      "system":"https://fhir.nhs.uk/Id/ods-organization-code",
      "code":"{{REFERRER_ORG_ODS}}"
    }
  ]
}
},
{
  "resourceType": "MedicationDispense",
  "id": "1",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
    ]
  },
  "status": "cancelled",
  "medicationCodeableConcept": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "{{DRUG_CODE1}}",
        "display": "{{DRUG_DESC1}}"
      }
    ]
  },
  "statusReasonCodeableConcept": {
    "coding": [{
      "system": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-NoSupplyType",
      "code": "{{NO_SUPPLY_REASON}}",
      "display": "Patient/Patient's representative did not make contact "
    }],
    "text": "{{OTHER_NO_SUPPLY_REASON}}"
  }
},
{
  "resourceType": "MedicationDispense",
  "id": "2",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
    ]
  },
  "status": "completed",
  "contained":[
    {
      "resourceType": "ServiceRequest",
      "id": "supplyRequest1",
      "meta": {
        "profile": [
          "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
        ]
      }
    }
  ]
}

```



```

    },
    "reasonCode" : [{
      "coding" : [
        {
          "system": "http://terminology.hl7.org/CodeSystem/medication-supply-request-reasons",
          "code": "{{SUPPLY_REQUEST_REASON}}"
        }
      ],
      "text": "{{OTHER_SUPPLY_REQUEST_REASON}}"
    }]
  }
],
"medicationCodeableConcept": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "{{DRUG_CODE}}",
      "display": "{{DRUG_DESC}}"
    }
  ]
},
"quantity": {
  "value": {{DRUG_QTY}},
  "unit": "{{DRUG_UNIT}}",
  "system": "http://unitsofmeasure.org"
},
"whenHandedOver": "{{PROVISION_DATE}}",
"type": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/medication-supply-type",
      "code": "{{MEDICATION_SUPPLY_TYPE}}"
    }
  ]
},
"supportingInformation" : [
  {
    "reference": "#supplyRequest1"
  }
]
}
],
"extension": [
  {
    "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-ExemptionType",
    "valueCodeableConcept": {
      "coding": [
        {
          "system": "https://fhir.nhsbsa.nhs.uk/Id/ExemptionType",
          "code": "F",
          "display": "Prescription pre-payment certificate (PPC)"
        }
      ]
    }
  }
],
{
  "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",

```

```

"valueReference": {
  "reference": "#b782e4e8-3901-464a-a3dc-2c286c0a6964"
}
},
{
  "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",
  "valueReference": {
    "reference": "#79345ce6-afb3-4929-b76c-6c7993ff4f4b"
  }
}
],
"type": {
  "coding": [
    {
      "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsType",
      "code": "{{CLAIM_TYPE_CODE}}",
      "display": "{{CLAIM_TYPE_DESC}}"
    }
  ]
},
"identifier": [
  {
    "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsClientReference",
    "value": "{{DEPOSIT_ID}}"
  }
],
"patient": {
  "reference": "#4812c16e-d9e7-46ea-86cb-65fcdc19faab"
},
"provider": {
  "reference": "#308d7201-ed47-4360-ac5b-0d523001c6d5"
},
"referral": {
  "reference": "#75a9f2ad-fdaf-4661-a7ce-f1098547d322"
},
"billablePeriod": {
  "start": "{{CLAIM_MONTH_START}}"
},
"facility": {
  "type": "Location",
  "identifier": {
    "system": "https://fhir.nhs.uk/Id/ods-organization-code",
    "value": "{{VACCINATION_SITE_ODS}}"
  }
},
"supportingInfo": [
  {
    "sequence": 1,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "DOSE_NUMBER"
        }
      ]
    }
  }
],
"valueString": "{{1,2,3...}}"

```

```

},
{
  "sequence":2,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"TREATMENT_SUPPLEMENT"
      }
    ]
  },
  "valueString":"{{CARE_HOME,HOME_BOUND,OTHER_RESIDENTIAL}}"
},
{
  "sequence": 3,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "PROCEDURE_CODE"
      }
    ]
  },
  "valueString": "{{PROCEDURE_CODE}}"
},
{
  "sequence":4,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"REFERRER_ORG_TYPE"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/referrer-organisation-type",
        "code":"{{REFERRER_ORG_TYPE}}"
      }
    ]
  }
},
{
  "sequence":5,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"REFERRER_CASE_REF"
      }
    ]
  },
  "valueString":"{{REFERRER_CASE_REF}}"
},
{

```

```

"sequence":6,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"DISPOSITION_CODE"
  }
]
},
"valueString":"{{DISPOSITION_CODE}}"
},
{
"sequence":7,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"CONSULTATION_METHOD"
  }
]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/consultation-method",
    "code":"{{CONSULTATION_METHOD}}"
  }
]
}
},
{
"sequence":8,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"CONSULTATION_OUTCOME"
  }
]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/consultation-outcome",
    "code":"{{CONSULTATION_OUTCOME}}"
  }
]
},
"text":"{{OTHER_CONSULTATION_OUTCOME}}"
},
{
"sequence":9,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"SIGNPOSTED_TO"
  }
]
}
}

```

```

    }
  ]
},
"code":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/signposted-to",
      "code":"{{SIGNPOSTED_TO}}"
    }
  ],
  "text": {{OTHER_SIGNPOSTED_TO}}
}
},
{
  "sequence":10,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"ESCALATED_TO"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/escalated-to",
        "code":"{{ESCALATED_TO}}"
      }
    ]
  }
},
{
  "sequence":11,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"INCIDENT"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/v2-0532",
        "code":"{{INCIDENT}}"
      }
    ]
  }
},
{
  "sequence":12,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",

```

```

        "code": "PRESENTING_COMPLAINT_OR_ISSUES"
      }
    ]
  },
  "valueString": "{{PRESENTING_COMPLAINT_OR_ISSUES}}"
},
{
  "sequence": 13,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "ONWARD_REFERRAL_REASON"
      }
    ]
  },
  "valueString": "{{ONWARD_REFERRAL_REASON}}"
},
{
  "sequence": 14,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "REFERRED_ODS"
      }
    ]
  },
  "valueString": "{{REFERRED_ODS}}"
},
{
  "sequence": 15,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "ONWARD_REFERRAL_DATE"
      }
    ]
  },
  "timingDate": "{{ONWARD_REFERRAL_DATE}}"
}
]
}

```

Step 3: Send the Update Claim Message

You can now prepare and make a PUT call to the NHSBSA API with the following pattern.

Note: This is not an ITK3 message, so there is no Bundle or Message Header required.

Type	Description
URL	https://stg.services.nhsbsa.nhs.uk/pharmacy-cpcs-api/resources/Claim/{{CLAIM_ID}}
Http Headers	Content-Type: application/json, Accept: application/json, Cache-Control: no-cache
Body	JSON representation prepared in Step 2 above

Step 4: Receive your response

A successful response will be sent synchronously within 30 seconds [DN: To check] with an http code 200 (OK) and contain a JSON representation of the updated object in the body of the response:

```
{
  "resourceType": "Claim",
  "id": "{{CLAIM_ID}}",
  "meta": {
    "profile": [
      "{{MESSAGE_PROFILE}}"
    ]
  },
  "contained": [
    {
      "resourceType": "MedicationDispense",
      "id": "1",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
        ]
      },
      "status": "cancelled",
      "medicationCodeableConcept": {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "{{DRUG_CODE1}}",
            "display": "{{DRUG_DESC1}}"
          }
        ]
      },
      "statusReasonCodeableConcept": {
        "coding": [
          {
            "system": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-NoSupplyType",
            "code": "{{NO_SUPPLY_REASON}}",
            "display": "Patient/Patient's representative did not make contact "
          }
        ],
        "text": "{{OTHER_NO_SUPPLY_REASON}}"
      }
    },
    {
      "resourceType": "MedicationDispense",
      "id": "2",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
        ]
      },
      "status": "completed",
      "contained": [
        {
          "resourceType": "ServiceRequest",
          "id": "supplyRequest1",
          "meta": {
            "profile": [
              "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
            ]
          }
        }
      ]
    }
  ]
}
```

```

    ]
  },
  "reasonCode" : [{
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/medication-supply-request-reasons",
        "code": "{{SUPPLY_REQUEST_REASON}}"
      }
    ],
    "text": "{{OTHER_SUPPLY_REQUEST_REASON}}"
  }]
}
],
"medicationCodeableConcept": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "{{DRUG_CODE}}",
      "display": "{{DRUG_DESC}}"
    }
  ]
},
"quantity": {
  "value": {{DRUG_QTY}},
  "unit": "{{DRUG_UNIT}}",
  "system": "http://unitsofmeasure.org"
},
"whenHandedOver": "{{PROVISION_DATE}}",
"type": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/medication-supply-type",
      "code": "{{MEDICATION_SUPPLY_TYPE}}"
    }
  ]
},
"supportingInformation" : [
  {
    "reference": "#supplyRequest1"
  }
]
},
{
  "resourceType": "Patient",
  "id": "3",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/Patient"
    ]
  },
  "identifier": [
    {
      "system": "https://fhir.nhs.uk/Id/nhs-number",
      "value": "{{PATIENT_NHSNO}}"
    }
  ],
  "name": [

```



```

    {
      "use": "official",
      "family": "{{PATIENT_FAMILY}}",
      "given": [
        "{{PATIENT_GIVEN}}"
      ]
    }
  ],
  "birthDate": "{{PATIENT_DOB}}",
  "gender": "{{PATIENT_GENDER}}",
  "address": [
    {
      "use": "home",
      "line": [
        {{ PATIENT_ADDRESS }}
      ],
      "postalCode": "{{PATIENT_POSTCODE}}"
    }
  ],
  "generalPractitioner": [
    {
      "reference": "#4"
    }
  ]
},
{
  "resourceType": "Organization",
  "id": "4",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/Organization"
    ]
  },
  "identifier": [
    {
      "system": "https://fhir.nhs.uk/Id/ods-organization-code",
      "value": "{{PATIENT_GPODS}}"
    }
  ],
  "name": "{{PATIENT_GPPRACTICE}}",
  "address": [
    {
      "line": [
        {{ PATIENT_GPADDRESS }}
      ],
      "postalCode": "{{PATIENT_GPOSTCODE}}"
    }
  ]
},
{
  "resourceType": "Organization",
  "id": "5",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/Organization"
    ]
  },

```

```

"identifier": [
  {
    "system": "https://fhir.nhs.uk/Id/ods-organization-code",
    "value": "{{CLAIMANT_ODS}}"
  }
],
{
  "resourceType": "ServiceRequest",
  "id": "6",
  "meta": {
    "profile": [
      "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
    ]
  },
  "identifier": [
    {
      "system": "https://fhir.nhsbsa.nhs.uk/Id/UrgentCareReference",
      "value": "{{REFERRAL_REFERENCE}}"
    }
  ],
  "locationCode": {
    "coding": [
      {
        "system": "https://fhir.nhs.uk/Id/ods-organization-code",
        "code": "{{REFERRER_ORG_ODS}}"
      }
    ]
  }
},
"extension": [
  {
    "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-ExemptionType",
    "valueCodeableConcept": {
      "coding": [
        {
          "system": "https://fhir.nhsbsa.nhs.uk/Id/ExemptionType",
          "code": "{{PATIENT_EXEMPT_CODE}}",
          "display": "{{PATIENT_EXEMPT_DISPLAY}}"
        }
      ]
    }
  },
  {
    "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",
    "valueReference": {
      "reference": "#1"
    }
  },
  {
    "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",
    "valueReference": {
      "reference": "#2"
    }
  }
],

```

```
"identifier": [
  {
    "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsClientReference",
    "value": "{{DEPOSIT_ID}}"
  }
],
"type": {
  "coding": [
    {
      "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsType",
      "code": "{{CLAIM_TYPE_CODE}}",
      "display": "{{CLAIM_TYPE_DESC}}"
    }
  ]
},
"patient": {
  "reference": "#3"
},
"billablePeriod": {
  "start": "{{CLAIM_MONTH_START}}"
},
"provider": {
  "reference": "#5"
},
"referral": {
  "reference": "#6"
},
"facility": {
  "type": "Location",
  "identifier": {
    "system": "https://fhir.nhs.uk/Id/ods-organization-code",
    "value": "{{VACCINATION_SITE_ODS}}"
  }
},
"supportingInfo": [
  {
    "sequence": 1,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "DOSE_NUMBER"
        }
      ]
    },
    "valueString": "{{1,2,3...}}"
  },
  {
    "sequence": 2,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "TREATMENT_SUPPLEMENT"
        }
      ]
    }
  }
],
```

```

    "valueString": "{{CARE_HOME,HOME_BOUND,OTHER_RESIDENTIAL}}"
  },
  {
    "sequence": 3,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "PROCEDURE_CODE"
        }
      ]
    },
    "valueString": "{{PROCEDURE_CODE}}"
  },
  {
    "sequence": 4,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "REFERRER_ORG_TYPE"
        }
      ]
    },
    "code": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/referrer-organisation-type",
          "code": "{{REFERRER_ORG_TYPE}}"
        }
      ]
    }
  },
  {
    "sequence": 5,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "REFERRER_CASE_REF"
        }
      ]
    },
    "valueString": "{{REFERRER_CASE_REF}}"
  },
  {
    "sequence": 6,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "DISPOSITION_CODE"
        }
      ]
    },
    "valueString": "{{DISPOSITION_CODE}}"
  },

```

```

{
  "sequence":7,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"CONSULTATION_METHOD"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/consultation-method",
        "code":"{{CONSULTATION_METHOD}}"
      }
    ]
  }
},
{
  "sequence":8,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"CONSULTATION_OUTCOME"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/consultation-outcome",
        "code":"{{CONSULTATION_OUTCOME}}"
      }
    ],
    "text":"{{OTHER_CONSULTATION_OUTCOME}}"
  }
},
{
  "sequence":9,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"SIGNPOSTED_TO"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/signposted-to",
        "code":"{{SIGNPOSTED_TO}}"
      }
    ],
    "text": {{OTHER_SIGNPOSTED_TO}}
  }
}

```

```

    }
  },
  {
    "sequence":10,
    "category":{
      "coding":[
        {
          "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code":"ESCALATED_T0"
        }
      ]
    },
    "code":{
      "coding":[
        {
          "system":"http://terminology.hl7.org/CodeSystem/escalated-to",
          "code":"{{ESCALATED_T0}}"
        }
      ]
    }
  },
  {
    "sequence":11,
    "category":{
      "coding":[
        {
          "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code":"INCIDENT"
        }
      ]
    },
    "code":{
      "coding":[
        {
          "system":"http://terminology.hl7.org/CodeSystem/v2-0532",
          "code":"{{INCIDENT}}"
        }
      ]
    }
  },
  {
    "sequence":12,
    "category":{
      "coding":[
        {
          "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code":"PRESENTING_COMPLAINT_OR_ISSUES"
        }
      ]
    },
    "valueString":"{{PRESENTING_COMPLAINT_OR_ISSUES}}"
  },
  {
    "sequence":13,
    "category":{
      "coding":[
        {

```

```

        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "ONWARD_REFERRAL_REASON"
    }
]
},
"valueString": "{{ONWARD_REFERRAL_REASON}}"
},
{
    "sequence": 14,
    "category": {
        "coding": [
            {
                "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
                "code": "REFERRED_ODS"
            }
        ]
    },
    "valueString": "{{REFERRED_ODS}}"
},
{
    "sequence": 15,
    "category": {
        "coding": [
            {
                "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
                "code": "ONWARD_REFERRAL_DATE"
            }
        ]
    },
    "timingDate": "{{ONWARD_REFERRAL_DATE}}"
}
]
}

```

Other potential responses:

400 – Bad Request (unparseable or other major issue).

Contains a JSON representation of an OperationOutcome resource in the body of the response:

```

{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "processing",
      "diagnostics": "Can not update resource, resource body must contain an ID element which matches the request URL for update (PUT) operation - Resource body ID of \"32000\" does not match URL ID of \"32\""
    }
  ]
}

```

422 – Unprocessable Entity (json parseable but not conformant).

Contains a JSON representation of an OperationOutcome resource in the body of the response.

In order to make these 422 error messages more recognizable, the most common messages include detail with the code of the error.

[See: Annex - detailed errors](#)

```

{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "invalid",
      "details": {
        "coding": [
          {
            "system": "https://fhir.nhsbsa.nhs.uk/Id/CustomIssueType",
            "code": "MSG_UPDATE_OF_FIELD_NOT_ALLOWED",
            "display": "Value provided is different from the value stored in the database"
          }
        ]
      },
      "diagnostics": "Cannot update api client ID"
    },
    {
      "severity": "error",
      "code": "invalid",
      "details": {
        "coding": [
          {
            "system": "https://fhir.nhsbsa.nhs.uk/Id/CustomIssueType",
            "code": "MSG_UPDATE_OF_FIELD_NOT_ALLOWED",
            "display": "Value provided is different from the value stored in the database"
          }
        ]
      },
      "diagnostics": "Cannot update billing period"
    },
    {
      "severity": "error",
      "code": "invalid",
      "details": {
        "coding": [
          {
            "system": "https://fhir.nhsbsa.nhs.uk/Id/CustomIssueType",
            "code": "MSG_ID_DEPOSIT_ID_MISMATCH",
            "display": "Api client ID mismatch"
          }
        ]
      },
      "diagnostics": "Api client ID mismatch"
    }
  ]
}

```

500 – Unexpected error.

Contains a JSON representation of an OperationOutcome resource in the body of the response:

```

{
  "resourceType": "OperationOutcome",
  "issue": [
    {

```



```
"severity": "error",  
"code": "processing",  
"diagnostics": "Unexpected exception"  
}  
]  
}
```

Developer Guide to Pharmacy Claim Deletions

Step 1: Gather your materials

You will need the data described in section Developer Guide to Pharmacy Claim Create.

Apart from that the additional data needed:

Property	Description
CLAIM_ID	Id of the claim in NHSBSA. Generated when the record is saved. Included in the response of POST (create).

Step 2: Prepare the Claim JSON

In the example below are the details of the claim that needs to be deleted.

```
{
  "resourceType": "Claim",
  "id": "{{CLAIM_ID}}",
  "meta": {
    "profile": [
      "{{MESSAGE_PROFILE}}"
    ]
  },
  "contained": [
    {
      "resourceType": "Organization",
      "id": "308d7201-ed47-4360-ac5b-0d523001c6d5",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/Organization"
        ]
      },
      "identifier": [
        {
          "system": "https://fhir.nhs.uk/Id/ods-organization-code",
          "value": "{{CLAIMANT_ODS}}"
        }
      ]
    },
    {
      "resourceType": "Organization",
      "id": "6306ddeb-ad11-43fc-b6ed-de47dfc9e0ef",
      "meta": {
        "profile": [
          "http://hl7.org/fhir/StructureDefinition/Organization"
        ]
      },
      "identifier": [
        {
          "system": "https://fhir.nhs.uk/Id/ods-organization-code",
          "value": "{{PATIENT_GPODS}}"
        }
      ],
      "name": "{{PATIENT_GPPRACTICE}}",
      "address": [
        {
```

```

        "line": [
            {{ PATIENT_GPADDRESS }}
        ],
        "postalCode": "{{PATIENT_GPPOSTCODE}}"
    }
]
},
{
    "resourceType": "Patient",
    "id": "4812c16e-d9e7-46ea-86cb-65fcdc19faab",
    "meta": {
        "profile": [
            "http://hl7.org/fhir/StructureDefinition/Patient"
        ]
    },
    "identifier": [
        {
            "system": "https://fhir.nhs.uk/Id/nhs-number",
            "value": "{{PATIENT_NHSNO}}"
        }
    ],
    "name": [
        {
            "use": "official",
            "family": "{{PATIENT_FAMILY}}",
            "given": [
                "{{PATIENT_GIVEN}}"
            ]
        }
    ],
    "birthDate": "{{PATIENT_DOB}}",
    "gender": "{{PATIENT_GENDER}}",
    "address": [
        {
            "use": "home",
            "line": [
                {{ PATIENT_ADDRESS }}
            ],
            "postalCode": "{{PATIENT_POSTCODE}}"
        }
    ],
    "generalPractitioner": [
        {
            "reference": "#6306ddeb-ad11-43fc-b6ed-de47dfc9e0ef"
        }
    ]
},
{
    "resourceType": "ServiceRequest",
    "id": "75a9f2ad-fdaf-4661-a7ce-f1098547d322",
    "meta": {
        "profile": [
            "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
        ]
    },
    "identifier": [
        {

```

```

    "system": "https://fhir.nhsbsa.nhs.uk/Id/UrgentCareReference",
    "value": "{{REFERRAL_REFERENCE}}"
  }
],
"locationCode":{
  "coding":[
    {
      "system":"https://fhir.nhs.uk/Id/ods-organization-code",
      "code":"{{REFERRER_ORG_ODS}}"
    }
  ]
}
},
{
  "resourceType": "MedicationDispense",
  "id": "1",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
    ]
  },
  "status": "cancelled",
  "medicationCodeableConcept": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "{{DRUG_CODE1}}",
        "display": "{{DRUG_DESC1}}"
      }
    ]
  },
  "statusReasonCodeableConcept": {
    "coding": [{
      "system": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-NoSupplyType",
      "code": "{{NO_SUPPLY_REASON}}",
      "display": "Patient/Patient's representative did not make contact "
    }],
    "text": "{{OTHER_NO_SUPPLY_REASON}}"
  }
},
{
  "resourceType": "MedicationDispense",
  "id": "2",
  "meta": {
    "profile": [
      "http://hl7.org/fhir/StructureDefinition/MedicationDispense"
    ]
  },
  "status": "completed",
  "contained":[
    {
      "resourceType": "ServiceRequest",
      "id": "supplyRequest1",
      "meta": {
        "profile": [
          "https://fhir.nhsbsa.nhs.uk/StructureDefinition/ServiceRequest"
        ]
      }
    }
  ]
}

```

```

    },
    "reasonCode" : [{
      "coding" : [
        {
          "system": "http://terminology.hl7.org/CodeSystem/medication-supply-request-reasons",
          "code": "{{SUPPLY_REQUEST_REASON}}"
        }
      ],
      "text": "{{OTHER_SUPPLY_REQUEST_REASON}}"
    }]
  }
],
"medicationCodeableConcept": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "{{DRUG_CODE}}",
      "display": "{{DRUG_DESC}}"
    }
  ]
},
"quantity": {
  "value": {{DRUG_QTY}},
  "unit": "{{DRUG_UNIT}}",
  "system": "http://unitsofmeasure.org"
},
"whenHandedOver": "{{PROVISION_DATE}}",
"type": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/medication-supply-type",
      "code": "{{MEDICATION_SUPPLY_TYPE}}"
    }
  ]
},
"supportingInformation" : [
  {
    "reference": "#supplyRequest1"
  }
]
}
],
"extension": [
  {
    "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-ExemptionType",
    "valueCodeableConcept": {
      "coding": [
        {
          "system": "https://fhir.nhsbsa.nhs.uk/Id/ExemptionType",
          "code": "F",
          "display": "Prescription pre-payment certificate (PPC)"
        }
      ]
    }
  }
],
{
  "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",

```

```

"valueReference": {
  "reference": "#b782e4e8-3901-464a-a3dc-2c286c0a6964"
}
},
{
  "url": "https://fhir.nhsbsa.nhs.uk/StructureDefinition/Extension-MedicationDispense",
  "valueReference": {
    "reference": "#79345ce6-afb3-4929-b76c-6c7993ff4f4b"
  }
}
],
"type": {
  "coding": [
    {
      "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsType",
      "code": "{{CLAIM_TYPE_CODE}}",
      "display": "{{CLAIM_TYPE_DESC}}"
    }
  ]
},
"identifier": [
  {
    "system": "https://fhir.nhsbsa.nhs.uk/Id/CpcsClientReference",
    "value": "{{DEPOSIT_ID}}"
  }
],
"patient": {
  "reference": "#4812c16e-d9e7-46ea-86cb-65fcdc19faab"
},
"provider": {
  "reference": "#308d7201-ed47-4360-ac5b-0d523001c6d5"
},
"referral": {
  "reference": "#75a9f2ad-fdaf-4661-a7ce-f1098547d322"
},
"billablePeriod": {
  "start": "{{CLAIM_MONTH_START}}"
},
"facility": {
  "type": "Location",
  "identifier": {
    "system": "https://fhir.nhs.uk/Id/ods-organization-code",
    "value": "{{VACCINATION_SITE_ODS}}"
  }
},
"supportingInfo": [
  {
    "sequence": 1,
    "category": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
          "code": "DOSE_NUMBER"
        }
      ]
    }
  }
],
"valueString": "{{1,2,3...}}"

```

```

},
{
  "sequence":2,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"TREATMENT_SUPPLEMENT"
      }
    ]
  },
  "valueString":"{{CARE_HOME,HOME_BOUND,OTHER_RESIDENTIAL}}"
},
{
  "sequence": 3,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "PROCEDURE_CODE"
      }
    ]
  },
  "valueString": "{{PROCEDURE_CODE}}"
},
{
  "sequence":4,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"REFERRER_ORG_TYPE"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/referrer-organisation-type",
        "code":"{{REFERRER_ORG_TYPE}}"
      }
    ]
  }
},
{
  "sequence":5,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"REFERRER_CASE_REF"
      }
    ]
  },
  "valueString":"{{REFERRER_CASE_REF}}"
},
{

```

```

"sequence":6,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"DISPOSITION_CODE"
  }
]
},
"valueString":"{{DISPOSITION_CODE}}"
},
{
"sequence":7,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"CONSULTATION_METHOD"
  }
]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/consultation-method",
    "code":"{{CONSULTATION_METHOD}}"
  }
]
}
},
{
"sequence":8,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"CONSULTATION_OUTCOME"
  }
]
},
"code":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/consultation-outcome",
    "code":"{{CONSULTATION_OUTCOME}}"
  }
]
},
"text":"{{OTHER_CONSULTATION_OUTCOME}}"
}
},
{
"sequence":9,
"category":{
"coding":[
  {
    "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
    "code":"SIGNPOSTED_TO"
  }
]
}
}

```



```

    }
  ]
},
"code":{
  "coding":[
    {
      "system":"http://terminology.hl7.org/CodeSystem/signposted-to",
      "code":"{{SIGNPOSTED_TO}}"
    }
  ],
  "text": {{OTHER_SIGNPOSTED_TO}}
}
},
{
  "sequence":10,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"ESCALATED_TO"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/escalated-to",
        "code":"{{ESCALATED_TO}}"
      }
    ]
  }
},
{
  "sequence":11,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code":"INCIDENT"
      }
    ]
  },
  "code":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/v2-0532",
        "code":"{{INCIDENT}}"
      }
    ]
  }
},
{
  "sequence":12,
  "category":{
    "coding":[
      {
        "system":"http://terminology.hl7.org/CodeSystem/claiminformationcategory",

```

```

        "code": "PRESENTING_COMPLAINT_OR_ISSUES"
      }
    ]
  },
  "valueString": "{{PRESENTING_COMPLAINT_OR_ISSUES}}"
},
{
  "sequence": 13,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "ONWARD_REFERRAL_REASON"
      }
    ]
  },
  "valueString": "{{ONWARD_REFERRAL_REASON}}"
},
{
  "sequence": 14,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "REFERRED_ODS"
      }
    ]
  },
  "valueString": "{{REFERRED_ODS}}"
},
{
  "sequence": 15,
  "category": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/claiminformationcategory",
        "code": "ONWARD_REFERRAL_DATE"
      }
    ]
  },
  "timingDate": "{{ONWARD_REFERRAL_DATE}}"
}
]
}

```

Step 3: Send the Delete Claim Message

You can now prepare and make a DELETE call to the NHSBSA API with the following pattern.

Note: This is not an ITK3 message, so there is no Bundle or Message Header required.

Type	Description
URL	https://stg.services.nhsbsa.nhs.uk/pharmacy-cpcs-api/resources/Claim/{{CLAIM_ID}}
Http Headers	Content-Type: application/json, Accept: application/json, Cache-Control: no-cache
Body	JSON representation prepared in Step 2 above

Step 4: Receive your response

A successful response will be sent synchronously within 30 seconds [DN: To check] with an http code 204 (No Content) and not contain a response body.

Other potential responses:

400 – Bad Request (unparseable or other major issue).

Contains a JSON representation of an OperationOutcome resource in the body of the response:

```
{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "processing",
      "diagnostics": "Failed to parse request body as JSON resource. Error was: Invalid attribute value \"\": Attribute values must not be empty (\\\"\\")"
    }
  ]
}
```

422 – Unprocessable Entity (json parseable but not conformant).

Contains a JSON representation of an OperationOutcome resource in the body of the response.

In order to make these 422 error messages more recognizable, the most common messages include detail with the code of the error.

[See: Annex - detailed errors](#)

```
{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "invalid",
      "diagnostics": "Api client ID mismatch",
      "details": {
        "coding": [
          {
            "system": "https://fhir.nhsbsa.nhs.uk/Id/CustomIssueType",
            "code": "MSG_ID_DEPOSIT_ID_MISMATCH",
            "display": "Api client ID mismatch"
          }
        ]
      }
    }
  ]
}
```

500 – Unexpected error.

Contains a JSON representation of an OperationOutcome resource in the body of the response:

```
{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
```

```
"code": "processing",  
  "diagnostics": "Unexpected exception"  
}  
]  
}
```

Developer Guide to Pharmacy Claim Reads

Step 1: Gather your materials

You will need:

Property	Description
CLAIM_ID	Id of the claim in NHSBSA. Generated when the record is saved. Included in the response of POST (create).
PLATFORM_DEPOSIT_ID	A string that uniquely identified this claim. Each platform will be provided with a pattern to use. For example, PharmOutcomes uses the pattern PEM- <i>nnn</i> -SPID- <i>nnnnnn</i> and Sonar uses the pattern SON- <i>nnnnnnnn</i> to uniquely identify this deposit in audits and CRUD operations. Max. size 255.

Step 2: Send the Read Claim Message

You can now prepare and make a GET call to the NHSBSA API with the following pattern.

Note: This is not an ITK3 message, so there is no Bundle or Message Header required.

Type	Description
URL	https://stg.services.nhsbsa.nhs.uk/pharmacy-cpcs-api/resources/Claim/{{CLAIM_ID}}
Http Headers	Content-Type: application/json Accept: application/json Cache-Control: no-cache Client-Id: {{PLATFORM_DEPOSIT_ID}}
Body	N/A

Step 3: Receive your response

A successful response will be sent synchronously within 30 seconds with an http code 200 (OK) with a re-sponse body.

Other potential responses:

400 – Bad Request (missing header, CLAIM_ID and PLATFORM_DEPOSIT_ID mismatch or other major issue).

Contains a JSON representation of an OperationOutcome resource in the body of the response:

```
{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "invalid",
      "details": {
        "coding": [
          {
            "system": "https://fhir.nhsbsa.nhs.uk/Id/CustomIssueType",
            "code": "MSG_ID_DEPOSIT_ID_MISMATCH",
            "display": "Api client ID mismatch"
          }
        ]
      }
    }
  ],
  "diagnostics": "Api client ID mismatch"
}
```

```
]
}
```

404 – Not Found (claim cannot be found by the provided Ids).

This includes scenarios when the claim did exist in the past but it is now deleted.

```
{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "invalid",
      "diagnostics": "Existing claim not found"
    }
  ]
}
```

500 – Unexpected error.

Contains a JSON representation of an OperationOutcome resource in the body of the response:

```
{
  "resourceType": "OperationOutcome",
  "issue": [
    {
      "severity": "error",
      "code": "processing",
      "diagnostics": "Unexpected exception"
    }
  ]
}
```

Fields used in different services

Field	CPCS NHS 111 Referred / UEC Emergency Supply	CPCS NHS 111 Referred / UEC Minor Illness	CPCS GP Referred Minor Illness	Advanced Flu Service	Covid Vaccination Service
MESSAGE_PROFILE	✓	✓	✓	✓	✓
PLATFORM_DEPOSIT_ID	✓	✓	✓	✓	✓
PROVISION_DATE	✓	✓	✓	✓	✓
CLAIM_MONTH_START	✓	✓	✓	✓	✓
CLAIMANT_ODS	✓	✓	✓	✓	✓
PATIENT_GIVEN	✓	✓	✓	✓	✓
PATIENT_FAMILY	✓	✓	✓	✓	✓
PATIENT_DOB	✓	✓	✓	✓	✓
PATIENT_NHSNO	✓	✓	✓	✓	✓
PATIENT_ADDRESS	✓	✓	✓	✓	✓
PATIENT_POSTCODE	✓	✓	✓	✓	✓
PATIENT_EXEMPT_CODE	✓	X	X	X	X
PATIENT_EXEMPT_DISPLAY	✓	X	X	X	X
PATIENT_GPODS	✓	✓	✓	✓	✓
PATIENT_GPPRACTICE	✓	✓	✓	✓	✓
PATIENT_GPADDRESS	✓	✓	✓	✓	✓
PATIENT_GPPOSTCODE	✓	✓	✓	✓	✓
REFERRAL_REFERENCE	✓	✓	✓	X	X
REFERRER_ORG_ODS	✓	✓	✓	X	X
DRUG_CODE	✓	X	X	✓	✓
DRUG_DESC	✓	X	X	✓	✓
DRUG_QTY	✓	X	X	✓	✓
DRUG_UNIT	✓	X	X	✓	✓
DOSE_NUMBER	X	X	X	X	✓
TREATMENT_SUPPLEMENT	X	X	X	X	✓
VACCINATION_SITE_ODS	X	X	X	✓	✓
PROCEDURE_CODE	X	X	X	X	✓
PATIENT_GENDER	✓	✓	✓	X	X
NO_SUPPLY_REASON	✓	X	X	X	X
SUPPLY_REQUEST_REASON	✓	X	X	X	X

MEDICATION_SUPPLY_TYPE	X	✓	✓	X	X
REFERRER_ORG_TYPE	✓	✓	✓	X	X
REFERRER_CASE_REF	✓	✓	✓	X	X
DISPOSITION_CODE	✓	✓	✓	X	X
CONSULTATION_METHOD	✓	✓	✓	X	X
CONSULTATION_OUTCOME	✓	✓	✓	X	X
SIGNPOSTED_TO	✓	✓	✓	X	X
ESCALATED_TO	✓	✓	✓	X	X
INCIDENT	✓	✓	✓	X	X
PRESENTING_COMPLAINT_OR_ISSUES	X	✓	✓	X	X
ONWARD_REFERRAL_REASON	✓	✓	✓	X	X
REFERRED_ODS	✓	✓	✓	X	X
ONWARD_REFERRAL_DATE	✓	✓	✓	X	X

The different CPCS and other pharmacy services that can be claimed for have different message profiles. This table is provided to allow platform providers to consider the different requirements.

Annex – Message Profiles

The following message profiles are available to provide claim information through the NHS BSA API.

[DN: Subject to change]

The following sub-types are available:

Code	Display
https://fhir.nhsbsa.nhs.uk/StructureDefinition/CpcsToken	
EMG_MED	NHS Urgent Medicines Supply
MIN_ILL	Digital Minor Illness Referral
EMG_MED_UEC	NHS Urgent Medicines Supply for Urgent and Emergency Care (UEC)
MIN_ILL_UEC	Digital Minor Illness Referral for Urgent and Emergency Care (UEC)
https://fhir.nhsbsa.nhs.uk/StructureDefinition/FluVacc	
FLU_VAC	NHS Seasonal Flu Vaccination
https://fhir.nhsbsa.nhs.uk/StructureDefinition/CovidVacc	
COVID_VAC	Covid-19 Vaccination
GP_COVID_VAC	Covid-19 Vaccination for General Practitioners

Annex – Levy Exemption Codes

The following codes and descriptions should be used when a patient has received a medication that is subject to prescription levy or equivalent.

If a levy was paid, then the message segment (extension) should be omitted from the message.

Code	Display
A	60 years of age or over or is under 16 years of age
B	16, 17 or 18 and in full time education
D	Maternity exemption certificate
E	Medical exemption certificate
F	Prescription prepayment Certificate (PPC)
G	Prescription exemption certificate issued by Ministry of Defence
L	HC2 (full help) certificate
H	Income Support (IS) or Income-related "Employment and Support Allowance (ESA)
K	Income-based Jobseeker's Allowance (JSA)
M	Tax Credit exemption certificate
S	Pension Credit Guarantee Credit
U	Universal Credit and meets the criteria
X	Free-of-charge contraceptives
HMP	Prisoner on release or released from secure accommodation

Annex – Referrer organisation type

Code	Display
NHS_111_SERVICE	NHS 111 Service
NHS_111_ONLINE	NHS 111 online
AMBULANCE	Ambulance Service
GP_PRACTICE	GP Practice
GP_ONLINE	GP Practice (online)
EMERGENCY	Emergency Department
UTC	Urgent Treatment Centre

Annex – Disposition codes

Code	Display
DX06	To contact a Primary Care Service within 6 hours
DX07	To contact a Primary Care Service within 12 hours
DX08	To contact a Primary Care Service within 24 hours
DX09	For persistent or recurrent symptoms get in touch with the GP Practice for a non-urgent appointment
DX10	MUST contact own GP Practice for a non-urgent appointment
DX13	Speak to a Primary Care Service within 6 hours
DX14	Speak to a Primary Care Service within 12 hours
DX15	Speak to a Primary Care Service within 24 hours
DX16	For persistent or recurrent symptoms get in touch with the GP Practice within 3 working days
DX28	Contact Pharmacist within 24 hours
DX29	Contact Pharmacist next working day
DX45	Service Location Information
DX75	MUST contact own GP Practice within 3 working days
DX80	Repeat prescription required within 6 hours
DX82	Medication Enquiry
DX85	Repeat prescription required within 2 hours
DX86	Repeat prescription required within 12 hours
DX87	Repeat prescription required within 24 hours
DX97	Emergency Contraception within 2 hours
DX98	Emergency Contraception within 12 hours
DX115	Contact Own GP Practice next working day for appointment

Annex – Consultation methods

Code	Display
FTF	Face to face communication
TELEPHONE	Telephone
TELEMEDICINE	Telemedicine

Annex – Consultation outcomes

Code	Display
ADVICE_ONLY	Advice given only
OTC_MEDICINE_SALE	Sale of an Over the Counter (OTC) medicine

MAS_REFERRAL	Referral into a pharmacy local minor ailments service (MAS)
LOCAL_COMMISSIONED_REFERRAL	Referral into an appropriate locally commissioned NHS service, such as a patient group direction
SUPPLY_NO_SUPPLY	Medicines supply / non-supply
ONWARD_REFERRAL	Onward referral to another CPCS pharmacy
NON_URGENT	Non-urgent signposting to another service
URGENT	Urgent escalation to another service
OTHER	Other (please specify)

Annex – No supply reasons

Code	Display
A	Item not able to be supplied under emergency supply regulations (e.g. Schedule 1, 2 or 3 Controlled Drug)
B	EPS prescription dispensed for patient
C	Pharmacist determined that supply not necessary (e.g. not clinically appropriate or concern about abuse of service)
D	Item not in stock
F	Patient bought the item
G	Other (please specify)

Annex – Supply request reasons

Code	Display
PRESCRIPTION_NOT_ORDERED	Patient had not ordered their prescription
PRESCRIPTION_ORDERED_NOT_READY	Patient had ordered their prescription but it was not ready
PRESCRIPTION_FORM_LOST	Patient had lost prescription form
LOST_OR_MISPLACED_MEDICINES	Patient had lost or misplaced the medicine(s) or appliance(s)
UNABLE_TO_COLLECT_MEDICINES	Patient was not able to collect the medicine(s) or appliance(s) (from their usual pharmacy)
AWAY_FROM_HOME	Patient is away from home (and had forgotten/did not bring sufficient supplies of their medicine(s) or appliance(s))
OTHER	Other (please specify)

Annex – Medication supply types

Code	Display
OTC	Over the counter medication
MAS	Minor ailments service
PGD	Patient Group Direction

Annex – Signposted to

Code	Display
GP	GP Practice
OOH_GP	Out of hours GP
OTHER	Other (please state)

Annex – Escalated to

Code	Display
GP	GP Practice
OOH_GP	Out of hours GP
UTC	Urgent Treatment Center
EMERGENCY_999	999
A_AND_E	A&E

Annex - Validation

Patient Postcode

```
^([Gg][Ii][Rr] 0[Aa]{2})|((([A-Za-z][0-9]{1,2})|([A-Za-z][A-Ha-hJ-Yj-y][0-9]{1,2})|([A-Za-z][0-9][A-Za-z])|([A-Za-z][A-Ha-hJ-Yj-y][0-9]?[A-Za-z]))) ?[0-9][A-Za-z]{2}$
```

Additionally the following codes are valid:

ZZ99 3VZ (No Fixed Abode) ZZ99 3WZ (Address Not Known) ZZ99 3CZ (England UK - not specified) ZZ99 3GZ (Wales) ZZ99 1WZ (Scotland) ZZ99 2WZ (Northern Ireland)

Patient GP Postcode

```
^([Gg][Ii][Rr] 0[Aa]{2})|((([A-Za-z][0-9]{1,2})|([A-Za-z][A-Ha-hJ-Yj-y][0-9]{1,2})|([A-Za-z][0-9][A-Za-z])|([A-Za-z][A-Ha-hJ-Yj-y][0-9]?[A-Za-z]))) ?[0-9][A-Za-z]{2}$
```

Annex - Detailed Errors

Code	Description
MSG_CPCS_DECLARATION_NOT_ACCEPTED	Organization has not accepted the CPCS declaration (for types EMG_MED and MIN_ILL).
MSG_ALREADY_SUBMITTED	Monthly submission is already done.
MSG_BILLING_PERIOD_NOT_IN_RANGE	Billing period is out of the allowed range.
MSG_DUPLICATE_DEPOSIT_ID DEPOSIT_ID	already exists (as it should be unique)
MSG_UPDATE_OF_FIELD_NOT_ALLOWED	Any of CLAIMANT_ODS, CLAIM_MONTH_START, DEPOSIT_ID or CLAIM_TYPE_CODE provided is different from the value stored in the database.
MSG_ID_DEPOSIT_ID_MISMATCH	Api client ID mismatch
MSG_UNKNOWN_VACCINE	Vaccine is not on the list of approved vaccines (for type FLU_VAC only)