**Contraception API – Testing Guide**

# Version Control

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| --- | --- | --- | --- |
| Version | Date | Author | Purpose |
| 0.1 | 21/10/2022 | Sachin Adivarekar | Initial guide |
| 0.2 | 08/12/2022 | Sachin Adivarekar | Added last month scenario and change in reason for service type field |
| 0.3 | 26/05/2023 | Gaurav Singh | Updated new email address |
| 0.4 | 30/06/2023 | Rahul Patil | Added PHARMACY\_TECHNICIAN for professionalRoleAdded GPCPCS & 111 values for referrerOrgTypeAdded NO\_SUPPLY\_ESCALATED value for consultationOutcomeUpdated test scenarios |
| 0.5 | 12/09/2023 | Rahul Patil | Rectified status codes and modified scenario titles in appendix |
| 0.6 | 09/10/2023 | Rahul Patil | Updated test 8 status code to 400 |
| 0.7 | 19/08/2025 | Rahul Patil | Added scenarios for oral emergency contraception |

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## Sending a record to NHSBSA API

The first step in testing the Contraception API is to make sure you can send a request to MYS, the following example shows you a type of POST request that is accepted by the API, and further types of requests can be found in the appendix.

### POST Request

{

 "platformDepositId": "SUP-123456789",

 "patient": {

 "nhsNumber": " 1111111111 ",

 "gpOdsCode": "GPXXX"

 },

 "orgOdsCode": "FXXXX",

 "yearMonth": "2022-04",

 "referralDate": "2021-08-02",

 "referrerOrgType": "SELF",

 "referrerOrgOdsCode": "YXXXX",

 "assessmentDate": "2021-08-02",

 "serviceType": "ONGOING\_MONITORING",

 "reasonForServiceType": "ONGOING\_PHARMACIST\_INITIATED",

 "professionalRole": "PHARMACY\_TECHNICIAN",

 "professionalIdentifier": 1234567,

 "consultationMethod": "TELEPHONE",

 "consultationOutcome": "NO\_SUPPLY\_ESCALATED",

 "contraceptionMethod": [

 "00",

 "15"

 ],

 "contraceptionMethodOther": "other contraception method",

 "products": [

 {

 "snomedCode": "xxxxx",

 "medicationName": "Test Product2",

 "quantitySupplied": 3,

 "doseDuration": "3M"

 }

 ],

 "productSupplyType": "OTC",

 "noSupplyReason": [

 "A",

 "T"

 ],

 "noSupplyReasonOther": "other no supply reason",

 "signpostedTo": "OTHER",

 "signpostedToOther": "other reference",

 "escalatedTo": "OTHER",

 "escalatedToOther": "other reference",

 "referredOrgOds": "FXXXX",

 "onwardReferralDate": "2022-01-20"

}

### POST API Response

The JSON below is the response from the API for the above request – 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 submission ID and a record is added to the NHSBSA database.

{

 "id": "123e4567-e89b-12d3-a456-426614174000",

 "platformDepositId": "SUP-123456789",

 "patient": {

 "nhsNumber": "1111111111 ",

 "gpOdsCode": "GPXXX"

 },

 "orgOdsCode": "FXXXX",

 "yearMonth": "2022-04",

 "referralDate": "2021-08-02",

 "referrerOrgType": "SELF",

 "referrerOrgOdsCode": "YXXXX",

 "assessmentDate": "2021-08-02",

 "serviceType": "ONGOING\_MONITORING",

 "reasonForServiceType": "ONGOING\_PHARMACIST\_INITIATED",

 "professionalRole": "PHARMACY\_TECHNICIAN",

 "professionalIdentifier": 1234567,

 "consultationMethod": "TELEPHONE",

 "consultationOutcome": "NO\_SUPPLY\_ESCALATED",

 "contraceptionMethod": [

 "00",

 "15"

 ],

 "contraceptionMethodOther": "other contraception method",

 "products": [

 {

 "snomedCode": "xxxxx",

 "medicationName": "Test Product2",

 "quantitySupplied": 3,

 "doseDuration": "3M"

 }

 ],

 "productSupplyType": "OTC",

 "noSupplyReason": [

 "A",

 "T"

 ],

 "noSupplyReasonOther": "other no supply reason",

 "signpostedTo": "OTHER",

 "signpostedToOther": "other reference",

 "escalatedTo": "OTHER",

 "escalatedToOther": "other reference",

 "referredOrgOds": "FXXXX",

 "onwardReferralDate": "2022-01-20"

}

## Updating a record

From the initial record that was posted, we want to change the contraception method. For the record above we’ll need to do a PUT request to the following endpoint – note the id (123e4567-e89b-12d3-a456-426614174000) from the created record has been added here: /ID/ 123e4567-e89b-12d3-a456-426614174000

Below values are not allowed to update while sending PUT request:

1. Cannot change the orgOdsCode
2. Cannot change the platformDepositId
3. Cannot change the yearMonth

### PUT Request

{

 "platformDepositId": "SUP-123456789",

 "patient": {

 "nhsNumber": " 1111111111 ",

 "gpOdsCode": "GPXXX"

 },

 "orgOdsCode": "FXXXX",

 "yearMonth": "2022-04",

 "referralDate": "2021-08-02",

 "referrerOrgType": "111",

 "referrerOrgOdsCode": "YXXXX",

 "assessmentDate": "2021-08-02",

 "serviceType": "ONGOING\_MONITORING",

 "reasonForServiceType": "ONGOING\_PHARMACIST\_INITIATED",

 "professionalRole": "PHARMACIST",

 "professionalIdentifier": 1234567,

 "consultationMethod": "TELEPHONE",

 "consultationOutcome": "NO\_SUPPLY\_OTHER",

 "contraceptionMethod": [

 "00",

 "15",

 "12"

 ],

 "contraceptionMethodOther": "other contraception method",

 "products": [

 {

 "snomedCode": "xxxxx",

 "medicationName": "Test Product2",

 "quantitySupplied": 3,

 "doseDuration": "3M"

 }

 ],

 "productSupplyType": "OTC",

 "noSupplyReason": [

 "A",

 "T"

 ],

 "noSupplyReasonOther": "other no supply reason",

 "signpostedTo": "OTHER",

 "signpostedToOther": "other reference",

 "escalatedTo": "OTHER",

 "escalatedToOther": "other reference",

 "referredOrgOds": "FXXXX",

 "onwardReferralDate": "2022-01-20"

}

The API returns a 200 response and the following response body, a check on the MYS database can confirm that the record has updated correctly – to do this contact

mys-platform@nhsbsa.nhs.uk to confirm the record has updated correctly.

### PUT API Response

{

 "id": "123e4567-e89b-12d3-a456-426614174000",

 "platformDepositId": "SUP-123456789",

 "patient": {

 "nhsNumber": "1111111111 ",

 "gpOdsCode": "GPXXX"

 },

 "orgOdsCode": "FXXXX",

 "yearMonth": "2022-04",

 "referralDate": "2021-08-02",

 "referrerOrgType": "111",

 "referrerOrgOdsCode": "YXXXX",

 "assessmentDate": "2021-08-02",

 "serviceType": "ONGOING\_MONITORING",

 "reasonForServiceType": "ONGOING\_PHARMACIST\_INITIATED",

 "professionalRole": "PHARMACIST",

 "professionalIdentifier": 1234567,

 "consultationMethod": "TELEPHONE",

 "consultationOutcome": "NO\_SUPPLY\_OTHER",

 "contraceptionMethod": [

 "00",

 "15",

 "12"

 ],

 "contraceptionMethodOther": "other contraception method",

 "products": [

 {

 "snomedCode": "xxxxx",

 "medicationName": "Test Product2",

 "quantitySupplied": 3,

 "doseDuration": "3M"

 }

 ],

 "productSupplyType": "OTC",

 "noSupplyReason": [

 "A",

 "T"

 ],

 "noSupplyReasonOther": "other no supply reason",

 "signpostedTo": "OTHER",

 "signpostedToOther": "other reference",

 "escalatedTo": "OTHER",

 "escalatedToOther": "other reference",

 "referredOrgOds": "FXXXX",

 "onwardReferralDate": "2022-01-20"

}

## Delete a record

We need to use the same path as an update /ID/{123e4567-e89b-12d3-a456-426614174000} where ID comes from the response of create request.

### Delete API Response

A successful response will be sent synchronously within 30 seconds with an http code 204 (No Content) and does not contain a response body. The best way to check if this has worked is to send the delete request again, this time you will receive a 404 code and an “No submission found with id: 123e4567-e89b-12d3-a456-426614174000” error message.

## Appendix A – Testing Matrix

Using the details above, complete the following tests, expected outcomes are listed alongside the tests. The below tests cover the likely scenarios that can be encountered when submitting Contraception claims through MYS, it is vital that each one these tests passes to protect the integrity of the data and the system.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test No. | Test | Expected Result | Actual Result | Comments |
| 1 | POST Request where service type is ongoing monitoring and consultation outcome as NO\_SUPPLY\_ESCALATED | 201 response with a response body including an id |  | Ensure that platformDepositId is unique for the test.noSupplyReason and escalatedTo are mandatory fields |
| 2 | POST Request where service type is initiation consult outcome is Supply made | 201 response with a response body and an id. |  | Ensure that platformDepositId is unique for the test. |
| 3 | POST request where service type is ongoing and contraception method is Progesterone Only Pill | 201 response with a response body and an id. |  | Ensure that platformDepositId is unique for the test. |
| 4 | Update request to change the value of quantity supplied | 200 response with a response body. Quantity supplied value has been updated |  | Email mys-platform@nhsbsa.nhs.uk to confirm the record has updated correctly. |
| 5 | Update with Referral date  | 200 response with a response body. Referral supplied date has been updated |  | Email mys-platform@nhsbsa.nhs.uk to confirm the record has updated correctly. |
| 6 | Update with Professional role. | 200 response with a response body. Professional role has been updated |  | Email mys-platform@nhsbsa.nhs.uk to confirm the record has updated correctly. |
| 7 | Update with Reason for service. For e.g. ORALEC SUPPLY can be updated to ORALEC SUPPLY REPEAT\_DOSE | 200 response with a response body. Reason for service value has been updated |  | User can update reasons only associated to their respective service type Ongoing/Initiation/OEC  |
| 8 | Update a claim to change any of below field. CLAIMANT\_ODS PLATFORM\_DEPOSIT\_ID CLAIM\_YEAR\_MONTH | 400 response with a response body. |  | Updating claim will be rejected if user tries to update the mentioned fields. |
| 9 | Delete a claim | 204 response, empty response body |  | Email mys-platform@nhsbsa.nhs.uk to confirm the record has been deleted. |
| 10 | POST request for 1 month previous, when submission has already been made for that month. | 201 response with a response body and Year month will update to current month |  | Email mys-platform@nhsbsa.nhs.uk to set up staging environment for this test. |
| 11 | POST Request where service type is OEC and reason is ORALECSUPPLY | 201 response with a response body with id created |  | Ensure that platformDepositId is unique for the test. |
| 12 | POST Request where service type is OEC and reason is SWITCHING ORAL | 400 response with an error message in response body |  | Claims will be rejected if service reasons associated with other service type are used |
| 13 | POST request where service type is OEC and no supply reason is Cardio vascular disease | 400 status code with invalid request message |  | Claim will be rejected if no supply reasons are not applicable to specific service type. |
| 14 | POST Request where service type is OEC with repeat supply reason and dose duration is 1D | 201 response with a response body |  | Ensure product details are mentioned with Dose duration as 1 day |
| 15 | POST Request where service type is OEC, above target BMI and double dose quantity  | 201 response with a response body |  | Ensure that quantity is entered as double of pack size |

After completing these checks, please email mys-platform@nhsbsa.nhs.uk to ensure everything has worked as expected.