

Manitoba Health

EClaims Portal Application

API Specifications

Batch Claims, Remittance Files and Real Time Query Specifications

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22-11-2024	Steve Regert	Project Manager Shared Health	
22-11-2024	Nicole Depauw	Application Support Analyst Shared Health	

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1. Overview:

This document describes how to authenticate and use APIs to submit batch claims, retrieve remittance files and submit real time queries to Manitoba Health Claims Processing System (MH CPS).

API based solution will help the vendors to replace the manual process for batch claims submission, reconciliation and query submission through eClaims Portal. Users time and efforts are saved by doing all the activities from vendor Software without logging into eClaims portal.

2. Process flow:

Vendors will be required to use a bearer token received from the Authentication API in all subsequent API requests. If this token is not included or an invalid token is included, API requests will not be authenticated. Once requests are authenticated, all requests will have to be verified to ensure that they have authorization to submit claims for the user sites.

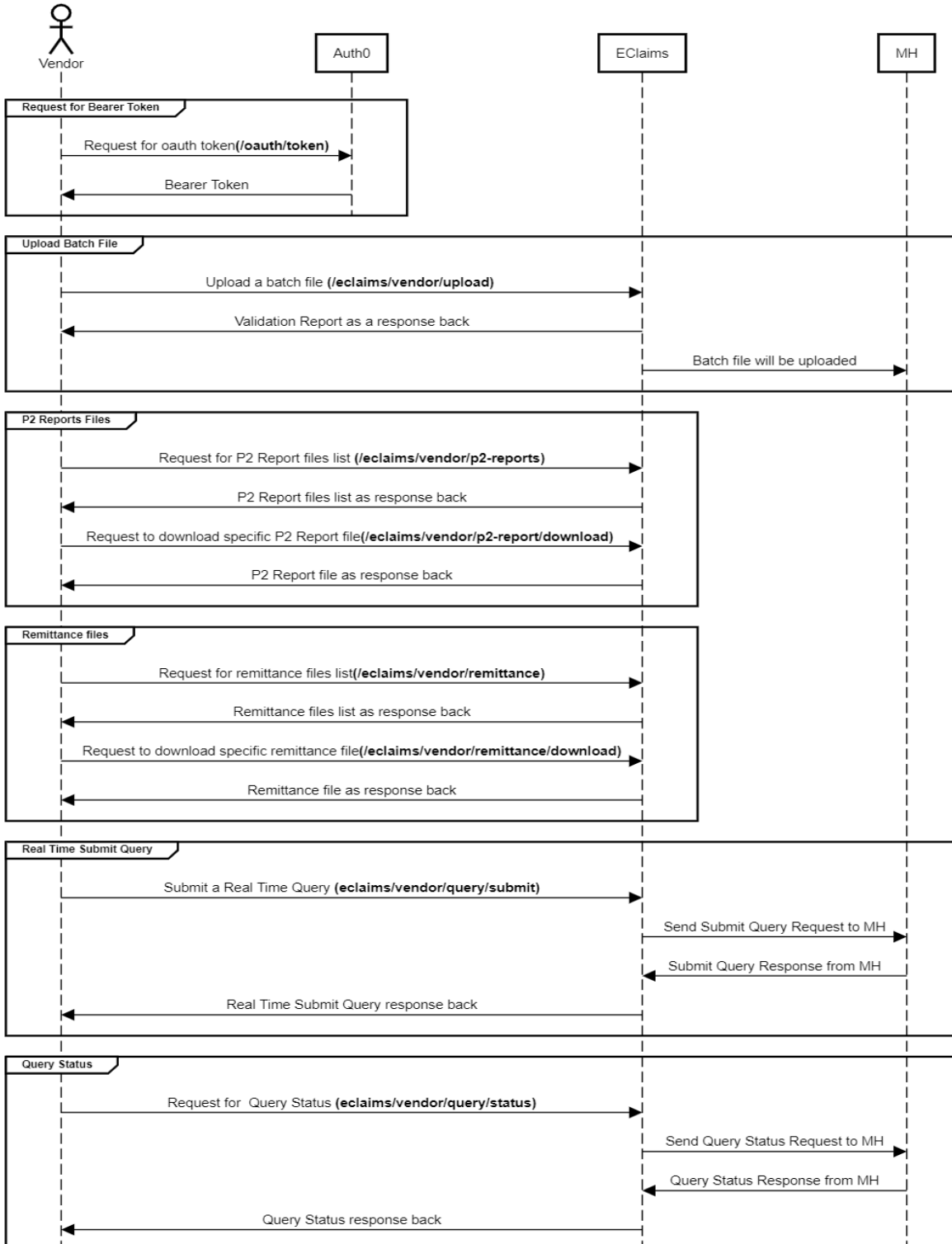
Batch files that are submitted must adhere to the specification in the document 'Manitoba Health Medical Claims File Exchange Guide'. Each file will be validated for syntactical and semantical integrity. In case of validation errors, a document with details of the errors will be returned in API response.

For remittance files, users will use list APIs to list filenames of authorized files. Users can download the files listed in the response by using file download APIs.

The Real time queries is the future state of query submission process directly from Vendor billing software's. API based solution will be replacing the manual process of query submission and status reporting.

3. Flow Diagram:

Vendor APIs Specification Flow





4. APIs

4.1. Authentication API:

Registered vendors are onboarded in eClaims system and will receive a set of client Credentials. The credentials must be used in each request to fetch bearer token.

This API will provide bearer tokens which will grant access to APIs for submitting claims. Each token can be used within the expiration time to access relevant APIs. The returned bearer token will have to be included in the http header parameter 'Authorization' in requests of all other APIs documented in this specification.

API details:

URL UAT: <https://eclaims-mh-uat.manitobabluecross.auth0.com/oauth/token>

Audience UAT: <https://portal.eclaims.uat.ecserv.ca/vendor-api>

HTTP Method: POST

Request Headers:

Field Name	Datatype	Value
content-type	String	"application/json"

Request Parameters:

Field Name	Datatype	Value
client_id	String	Will be shared after vendor onboarding
client_secret	String	Will be shared after vendor onboarding
Audience	String	Please refer to section "API Details" above for URLs
grant_type	String	"client_credentials"

Response Body:

Field Name	Datatype	Value/Description
access_token	String	Bearer token
scope	String	Granted scopes
expires_in	Integer	Expiration time of the token in seconds. (15 min)
token_type	String	"Bearer"

HTTP Codes and Sample Responses:

HTTP Codes	Response	Description
200	{ "access_token": <access token>, "scope": <scopes>, "expires_in": <expiry time>, }	Successfully generated access token.



	"token_type": "Bearer"	
	}	
401	{ "error": "access_denied", "error_description": "Unauthorized" }	Invalid client credentials.
403	{ "error": "access_denied", "error_description": "Service not enabled within domain: <audience>" }	Service not available for provided client ID.

4.2. Batch claims submission API:

Before using this API, a bearer token must be obtained using the Authentication API. A valid token must be included in the header when sending a request to this API. In case of validation errors, a validation report detailing the errors will be included in the response.

For each UserSite managed by the Vendor, a separate API Key is generated and shared during UserSite onboarding. Vendor is responsible for storing the UserSite API keys safe and secure.

UserSite API Key is used to verify authorization for a UserSite to access APIs.

File name, extension and size restrictions are enabled for submitting files through API. Below conventions and restrictions are to be followed without which the file will be rejected by the API.

Successful file submission will return a P1 validation report in response of API.

Unsuccessful file submission will return a failure error message along with P1 Error report in response of API.

File Name Format: usersiteno_YYYYMMDDHHMMSS

File Extension: .txt

Max File Size: 100 MB

API Details:

URL UAT: <https://api.eclaims.uat.ecserv.ca/eclaim/vendor/upload>

HTTP Method: POST

Request Headers:

Field Name	Datatype	Value/Description
content-type	String	"multipart/form-data"
Authorization	String	"Bearer" <bearer token>

Request Parameters:

Field Name	Datatype	Value/Description
usersite_key	String	Unique key of each usersite.

Request Body:

Field Name	Datatype	Description
File	Byte Array	File content should be posted as a multipart content in the request body.



Response Body:

Field Name	Datatype	Description
status	String	Return code
message	String	Return message
response	Object	
response.fileName	String	Filename of validation report
response.report	Byte Array	Byte array of validation report

HTTP Codes and Sample Responses:

HTTP Codes	Response	Description
200	<pre>{ "status": 200, "message": "Success", "response": { "fileName": "P1_Accepted_usersiteno_YYYYMMDDHHMMSS.pdf", "report": "534fb3t79aju7zuHvaH0dWBr6PiOIAt5dc5cqrb4PTmY7/txOV66AT5c+bL6xZ ofbyq9PJCGbM83pj++CiVpVGV4dC01LjUuMTMKc3Rhcn" } }</pre>	Batch file submitted successfully.
400	<pre>{ "status": 400, "message": "Bad Request - Validation Failed", "response": { "fileName": "P1_Rejected_usersiteno_YYYYMMDDHHMMSS.pdf", "report": "534fb3t79aju7zuHvaH0dWBr6PiOIAt5dc5cqrb4PTmY7/txOV66AT5c+bL6xZ ofbyq9PJCGbM83pj++CiVpVGV4dC01LjUuMTMKc3Rhcn" } }</pre>	File cannot be validated successfully.
400	<pre>{ "status": 400, "message": "Please check request", "response": "Incorrect File format file name" }</pre>	File should allow only text files
401	N/A	Invalid token
400	<pre>{ "status": 400,</pre>	Duplicate file input

	<pre>"message": "Please check request", "response": ["userSiten_20250211121213.txt A file with the same filename exists in the system. Please change the filename."] }</pre>	
403	<pre>{ "status": 403, "message": "User doesn't have access to this User Site", "response": "User doesn't have access to this User Site Number" }</pre>	Access denied
403	<pre>{ "status": 403, "message": "API submission is disabled for the UserSite, Please contact eClaims Administrator", "response": "API submission is disabled for the UserSite number, Please contact eClaims Administrator" }</pre>	API submission is disabled
403	<pre>{ "status": 403, "message": "User doesn't have access to this User Site", "response": "User Site client id is not authorized userSiteId" }</pre>	Access denied
500	<pre>{ "status": 500, "message": "Unknown exception occurred", "response": ["Malicious Content, please check your file."] }</pre>	Malicious file
500	<pre>{ "status": 500, "message": "Unknown exception occurred", "response": ["Unknown Error Occurred, Please Contact System Administrator."] }</pre>	Internal Server Error



4.3. Remittance files list API:

Before using this API, a bearer token must be obtained using the Authentication API. A valid token must be included in the header when sending a request to this API. Filenames of files available to be retrieved for a given usersite will be returned in the response.

API Details:

URL UAT: <https://api.eclaims.uat.ecserv.ca/eclaim/vendor/remittance>

HTTP Method: GET

Request Headers:

Field Name	Datatype	Value
Authorization	String	"Bearer" <bearer token>

Request Parameters:

Field Name	Datatype	Description
user_site_id	String	User Site number
usersite_key	String	Unique key of each usersite.

Response Body:

Field Name	Datatype	Description
status	String	Return code
message	String	Return message
response	Object	
response.reports	String list	Filenames of available files.

HTTP Codes and Sample Responses:

HTTP Codes	Response	Description
200	<pre>{ "status": 200, "message": "SUCCESS", "response": { "reports": ["usersiteno_REMYYYMMDDHHMMSS.txt", " usersiteno_REMYYYMMDDHHMMSS.txt"] } }</pre>	Request was successful.
403	<pre>{ "status": 403,</pre>	Access denied

	<pre> "message": "User doesn't have access to this User Site", "response": "User doesn't have access to this User Site Number" } </pre>	
401	N/A	Invalid Token
500	<pre> { "status": 500, "message": "Unknown exception occured", "response": ["Unknown Error Occurred, Please Contact System Administrator."] } </pre>	Internal Server Error

4.4. Remittance file download API:

Before using this API, a bearer token must be obtained using the Authentication API. A valid token must be included in the header when sending a request to this API. API returns a file when a filename is provided as input.

API Details:

URL UAT: <https://api.eclaims.uat.ecserv.ca/eclaim/vendor/remittance/download>

HTTP Method: GET

Request Headers:

Field Name	Datatype	Value
Authorization	String	"Bearer" <bearer token>

Request Parameters:

Field Name	Datatype	Description
filename	String	Filename
usersite_key	String	Unique key of each usersite.

Response Body:

Field Name	Datatype	Description
status	String	Return code
message	String	Return message
response	Byte Array	File content

HTTP Codes and Sample Responses:

HTTP Codes	Response	Description
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200	{ "status": 200, "message": "Success", "response": "534fb3t79aju7zuHvaH0dWBr6PiOIAt5dc5cqr4PTmY7txOV66AT5c+bL6xZo fbyq9PJCGbM83p" }	File retrieved successfully.
401	N/A	Bearer token is invalid
500	{ "status": 500, "message": "Unknown exception occurred", "response": ["Unknown Error Occurred, Please Contact System Administrator."] }	Internal Server Error.

4.5. P2 report files list API:

Before using this API, a bearer token must be obtained using the Authentication API. A valid token must be included in the header when sending a request to this API. Filenames of files available to be retrieved for a given usersite will be returned in the response.

API Details:

URL UAT: <https://api.eclaims.uat.ecserv.ca/eclaim/vendor/p2-reports>

HTTP Method: GET

Request Headers:

Field Name	Datatype	Value/Description
Authorization	String	"Bearer" <bearer token>

Request Parameters:

Field Name	Datatype	Value/Description
user_site_id	String	UserSite Number
usersite_key	String	Unique key of each usersite.

Response Body:

Field Name	Datatype	Description
status	String	Return code
message	String	Return message
response	Object	Byte array of validation report.
response.reports	String List	Filenames of available files.

HTTP Codes and Sample Responses:

HTTP Codes	Response	Description
200	<pre>{ "status": 200, "message": "SUCCESS", "response": { "reports": ["usersiteno_P2_YYYYMMDDHHMMSS.txt", "usersiteno_P2_YYYYMMDDHHMMSS.txt"] } }</pre>	Request was successful.
401	N/A	Invalid token
403	<pre>{ "status": 403, "message": "User doesn't have access to this User Site", "response": "User doesn't have access to this User Site Number" }</pre>	Access denied
500	<pre>{ "status": 500, "message": "Unknown exception occurred", "response": ["Unknown Error Occurred, Please Contact System Administrator."] }</pre>	Internal Server Error

4.6. P2 report file download API:

Before using this API, a bearer token must be obtained using the Authentication API. A valid token must be included in the header when sending a request to this API. API returns a file when a filename is provided as input.

API Details:

URL UAT: <https://api.eclaims.uat.ecserv.ca/eclaim/vendor/p2-reports/download>

HTTP Method: GET

Request Headers:

Field Name	Datatype	Mandatory	Value/Description
Authorization	String	Yes	"Bearer" <bearer token>

Request Parameters:



Field Name	Datatype	Value/Description
filename	String	Filename
usersite_key	String	Unique key of each usersite.

Response Body:

Field Name	Datatype	Value/Description
status	String	Return code
message	String	Return message
response	File List	Byte array of validation report

HTTP Codes and Sample Responses:

HTTP Codes	Response	Description
200	{ "status": 200, "message": "Success", "response": "534fb3t79aju7zuHvaH0dWBr6PiOIAt5dc5cqr4PTmY7/txOV66AT5c+bL6 xZofbyq9PJCGbM83pj++CiVpVGV4dC01LjUuMTMKc3Rhcn" }	File retrieved successfully.
401	N/A	Invalid token
403	{ "status": 403, "message": "User doesn't have access to this User Site", "response": "User doesn't have access to this User Site Number" }	Access denied
500	{ "status": 500, "message": "Unknown exception occurred", "response": ["Unknown Error Occurred, Please Contact System Administrator."] }	Internal Server Error

4.7. Real Time Submit Query API

Before using this API, a bearer token must be obtained using the Authentication API. A valid token must be included in the header when sending a request to this API. API returns the status for the query submit.

Basic validations to be done by vendor software before enabling query submission for the claim.

Validations are explained in section 5.2.

Query can be submitted for an individual service in a claim or can be submitted for all the services based on the type of query. Check section 5.3 for different Query Types



API Details:

URL UAT: <https://api.eclaims.uat.ecserv.ca/eclaim/vendor/query/submit>

HTTP Method: POST

Request Headers:

Field Name	Datatype	Value/Description
content-type	String	"multipart/form-data"
Authorization	String	"Bearer" <bearer token>

Request Parameters:

Field Name	Datatype	Description
usersite_key	String	Unique key of each usersite.

Request Body:

Field Name	Datatype	Description
claim_details	String	String value of json object holds all the claim details. For Ex : { "userId": "TESTUSER", "billingId": "XXXX", "claimId": "0000000", "province": "MB", "phinId": "XXXX", "list": [{ "billAmount": "26.78", "paymentAmount": "1611.75", "bills services": "1", "paidServices": "1", "serviceCode": "XXXX", "serviceDate": "20250311" }], "paymentDate": "20250323", "message": "", "userSite": "XXXX", "microFilmNumber": "XXXXXX", "queryType": "IP", "remarks": "test" } Check 'Claim details field Mapping' below section for each property description
file	Byte Array	File content should be posted as a multipart content in the request body.(Only applicable for Query Type SCI) Accepted File mime types: doc, docx,pdf,txt,jpg,jpeg Max size: 5MB , Max file name length : 60 Characters with extension

Claim details field Mapping:

Field Name	Child Field Name	Data type	Length	Mandatory	Description
claimId		String	9	Y	External Claim ID
userId		String	200	Y	User ID the person (who logged in Vendor system) submitting the request

microFilmNumber		String	9	Y	Claim legacy identification number
phinId		String	12	Y	MH Personal Health Identification Number (PHIN) OR Non-Res Health ID
province		String	2	Y	Province code - Refer to Province Code Sheet
billingId		String	5	Y	Provider Billing Identification
userSite		String	5	Y	User Site
queryType		String	30	Y	Query Type Code, refer to sheet Query Types
reportType		String	30	N	Report Type -Value depends on query type. refer to sheet Query Types (Only applicable for Query Type SCI)
message		String	250	Y	Message sent by the user for the query
list				Y	
	serviceCode	String	5	Y	Benefit Code
	serviceDate	String	8	Y	Service Start Date in format YYYYMMDD
	paymentDate	String	8	N	Claim processed Date in format YYYYMMDD
	billAmount	String	15(2)	Y	Billed Amount
	paymentAmount	String	15(2)	N	Paid Amount

Response Body:

Field Name	Datatype	Description
status	String	Return code
message	String	Return message
response	String	Response message

HTTP Codes and Sample Responses:

HTTP Codes	Response	Description
200	{ "status": 200, "message": "SUCCESS", "response": "Query Successfully Submitted" }	Query submission successfully.

400	{ "status": 400, "message": "Please check request", "response": "An Open Query already exists for this claim" }	Query already exists
400	{ "status": 400, "message": "Please check request", "response": "Information not found for the Microfilm Number. Please check the details." }	When the Claim Information is not found in the system
400	{ "status": 400, "message": "Bad Request", "response": "'SCI' Query type should have a file attached." }	File required for SCI query Type
400	{ "status": 400, "message": "Please check request", "response": "Claim is open by MH, please try again later." }	Claim is open by MH
400	{ "status": 400, "message": "Please check request", "response": "Incorrect File format file name" }	Accepted File mime types: doc, docx, pdf, txt, jpg, jpeg
400	{ "status": 400, "message": "Please check request", "response": "File size exceeds 5MB" }	File size should not exceed 5MB

400	{ "status": 400, "message": "Please check request", "response": "This query is refused, as either all or a portion of this claim is pending. Queries are not accepted for claims listed on your remittance advice statement as pending." }	Query is refused, as Claim has an open Pend Task.
401	N/A	Bearer token is invalid
403	{ "status": 403, "message": "User doesn't have access to this User Site", "response": "User doesn't have access to this User Site Number" }	Access denied
403	{ "status": 403, "message": "API submission is disabled for the UserSite, Please contact eClaims Administrator", "response": "API submission is disabled for the UserSite number, Please contact eClaims Administrator" }	API submission is disabled in eClaims portal
403	{ "status": 403, "message": "User doesn't have access to this User Site", "response": "User Site client id is not authorized userSiteId" }	Access denied
500	{ "status": 500, "message": "Unknown exception occurred", "response": []	Internal Server Error.



	"Unknown Error Occurred, Please Contact System Administrator."] }	
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4.8. Query Status API

Before using this API, a bearer token must be obtained using the Authentication API. A valid token must be included in the header when sending a request to this API. API returns the status of the query submit.

Basic validations to be done by vendor software before enabling query submission for the claim.

Validations are explained in section 5.2. Check section 5.3 for different Query Types

API Details:

URL UAT: <https://api.eclaims.uat.ecserv.ca/eclaim/vendor/query/status>

HTTP Method: POST

Request Headers:

Field Name	Datatype	Value/Description
content-type	String	"multipart/form-data"
Authorization	String	"Bearer" <bearer token>

Request Parameters:

Field Name	Datatype	Description
usersite_key	String	Unique key of each usersite.

Request Body:

Field Name	Datatype	Description
query_details	String	String value of json object holds all the query details. For Ex : {"microFilmNumber":"00078316","phinId":"112233445","billingId":"01212","p rovince":"MB","claimId":"000000105","userId":"testUser","queryType":"OT"," querySubDate":"2024-01-01","userSite":"123123"} Check ' Query details field Mapping ' below section for each property description



Query details field Mapping:

Field Name	Data type	Length	Mandatory	Description
claimId	String	9	Y	External Claim ID
userId	String	200	Y	User ID the person (who logged in Vendor system) submitting the request
microFilmNumber	String	9	Y	Claim legacy identification number
phinId	String	12	Y	MH Personal Health Identification Number (PHIN) OR Non-Res Health ID
province	String	2	Y	Province code - Refer to Province Code Sheet
billingId	String	5	Y	Provider Billing Identification
userSite	String	5	Y	User Site
queryType	String	30	Y	Query Type Code, refer to sheet Query Types
querySubDate	String	10	Y	Query Submission Date in format YYYY-MM-DD

Response Body:

Field Name	Datatype	Description
status	String	Return code
message	String	Return message
response	String	Return the Query Status Response

Response Fields:

Filed Name	Data Type	Description
itemNo	String	Claim Item Number
serviceCode	String	Benefit code
serviceDate	String	Service Start Date in format YYYYMMDD
processedDate	String	Claim processed Date in format YYYYMMDD

billAmt	String	Billed Amount
billServices	String	Number of Services
paymentAmount	String	Paid Amount
paidServices	String	Number of Services paid
eobCode	String	Disposal Codes
microFilmNumber	String	Claim legacy Identification number
status	String	Claim status
remarks	String	Claim remarks
userSiteid	String	User Sites
externalClaimId	String	External Claim ID
queryType	String	Query Type Code, refer to sheet Query Types
givenName	String	First Name of the Patient
surName	String	Last Name of the Patient

HTTP Codes and Sample Responses:

HTTP Codes	Response	Description
200	<pre>{ "status": 200, "message": "SUCCESS", "response": [{ "itemNo": "0003", "serviceCode": "78000", "serviceDate": "20250311",</pre>	To retrieve the claim details through a query.

	<pre> "processedDate": "20250313", "billAmt": "17.41", "billServices": "1", "paymentAmount": "0.00", "paidServices": "1", "eobCode": "44,X5", "microFilmNumber": "XXXXXXXX", "querySearchItem": { "status": "92", "remarks": "Query pending with MH, awaiting processing" }, "userSiteid": "XXXXX", "externalClaimId": "XXXXXXXXXX", "queryType": "FA", "givenName": "ADAM", "surName": "L" } }}</pre>	
401	N/A	Bearer token is invalid
403	<pre> { "status": 403, "message": "User doesn't have access to this User Site", "response": "User doesn't have access to this User Site Number" }</pre>	Access denied
500	<pre> { "status": 500, "message": "Unknown exception occurred", "response": ["Unknown Error Occurred, Please Contact System Administrator."] }</pre>	Internal Server Error.

5. Other Requirements

5.1. Security and Controls Requirements

Vendors must store client credentials securely. If new client credentials are needed, support tickets will have to be submitted.

5.2. Request Validations

- Pass all mandatory fields in the request and only enable query submission for the claims which are submitted to MH and processed once. This will reduce unnecessary submission and rejection of query requests.
- As query response is not sent immediately, validations need to be placed at billing software to avoid the submission of duplicate queries.
- For Query type SCI – Validate the file type and file size as per the specifications to avoid bad requests to the system.
- All the services in claim are to be selected and passed to in API request for query types of IP, WQ, IB & PR.

5.3. Query Types

- The API supports 7 different Query Types as explained in below table.

No	Query Type Description	Code	Report Type	Comments
1	Incorrect Patient	IP	NA	All the services in claim are to be selected and passed to the API for query types of IP, WQ, IB & PR
2	WCB Query	WQ	NA	
3	Incorrect Billing ID	IB	NA	
4	Provided Requested Billing Error Drawback	PR	NA	
5	Other query adjustment	OT	NA	User can select one or more services for which the query is to be submitted
6	MB Finance Audit	FA	NA	User can select one or more services for which the query is to be submitted
7	Supplementary Claim Information	SCI	1. Operative/Procedure Report 2. Pathology Report 3. Consultation Notes 4. Chart Notes 5. Other	This query type is for supporting additional documentation where user can upload files. File attachment is mandatory.