

Live diary - Online consultant booking API v2.0

Version History

2.0 - 27 March 2025 - Initial 2.0 C2/Kick re-write
11 April 2025 - Added referral letters feature

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Introduction

Welcome to version 2 of the HCA Healthcare UK - Online Consultant Booking API.

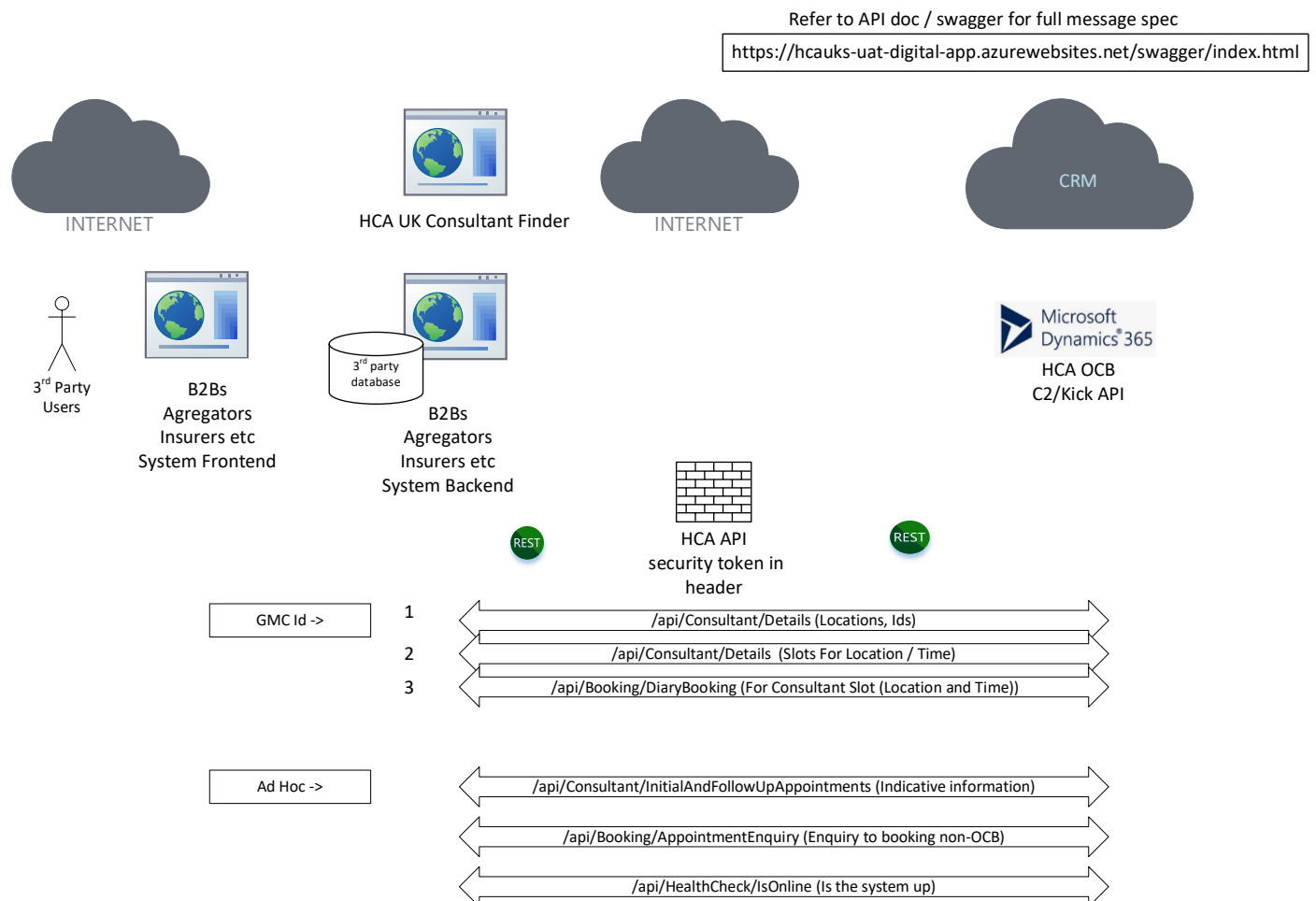
Our API is linked to the HCA Healthcare UK CRM which allows the caller to discover HCA consultants and a given consultant's time and location availability for appointment slots at HCA facilities. The API caller can then book a selected slot.

Version 1 of the API was initially developed for use by our own consultant finder app embedded on the hcahealthcare.co.uk website, and during 2024 we shared the API with partners who had an interest in harnessing this functionality programmatically.

We worked with partners and have listened to feedback, and in collaboration with our CRM development team partners, we built out version 2, a more B2B friendly version of the API.

The API contains general 'discovery' endpoints as well as specific consultant endpoints which can be called in order, to discover and complete a booking.

Online consultant booking API flow



Getting started

To get started, first request a meeting to discuss requirements with the HCA digital team. If the API is appropriate, you can then obtain a sandbox API key.

To start development and integration, work with the Sandbox API instance using the Swagger open API definition as follows:

Swagger (sandbox/UAT) - API definition: [HCA OCB API](#)

Production base URL endpoint <https://hcauks-prod-digital-app.azurewebsites.net/> (note there is no swagger at this address, but the API interface is the same as UAT)

In the HTTP request headers, **pass in the HCA allocated key** e.g.:

X-WebApi-Key: <HCA Allocated Key>

If an incorrect key is used, then an HTTP 401 Unauthorized error will occur, with a JSON body response showing a success property of false.

Note that data wise, sandbox is **not a mirror of prod** - there is generally less consultant availability mapped, but the API functionality is the same. Someone like Andrew Goldberg is generally a good candidate to develop and test with GMC: 4113571

Enhancements over version 1.x

There are minimal changes to make to update an implementation from v1 to v2 from a client caller perspective and the upgrade path offers some advantages as follows:

1. Backward compatible with v1.x
2. **Performance acceleration** - Behind the scenes, the API is quite transactional and business logic intensive, this means that users can suffer long wait times on calls. We put a lot of energy into a re-write of the slower workings of the system to bring a 2-3 times faster benefit in version 2 compared to version 1. Note that we are always looking to improve performance, and we will continue to optimize where possible.
3. Swagger API definition - the interface of the API is now discoverable through an Open API swagger definition at [HCA OCB API](#).
4. **Ability to request indicative information around a single or group of consultants** - It is now possible to ask for top level details for a consultant or group of consultants via an array of GMC numbers. This makes it possible to line up a group of consultants in an upstream B2B system with the consultants on the HCA side. We detail if the consultant/s are live or in test on online consultant booking, and when their next earliest appointment time is. This call could be used to show a grid of consultants and sort by the next available appointment time.
5. **Ability for a patient to initiate an appointment enquiry.** An endpoint has been added to cover the use case of a patient wishing to enquire about booking an appointment. This endpoint powers the enquire now form which is used when a consultant doesn't have online consultant booking enabled, i.e. no firm time slot can be discovered for the consultant as their diary is not on-line. The patient provides indicative information around their availability and their call back details. The HCA contact centre will then call the patient back to firm up an appointment.
6. **Future enhancements.** Enhancements will be made on the v2 API only going forward v1 will not receive these.

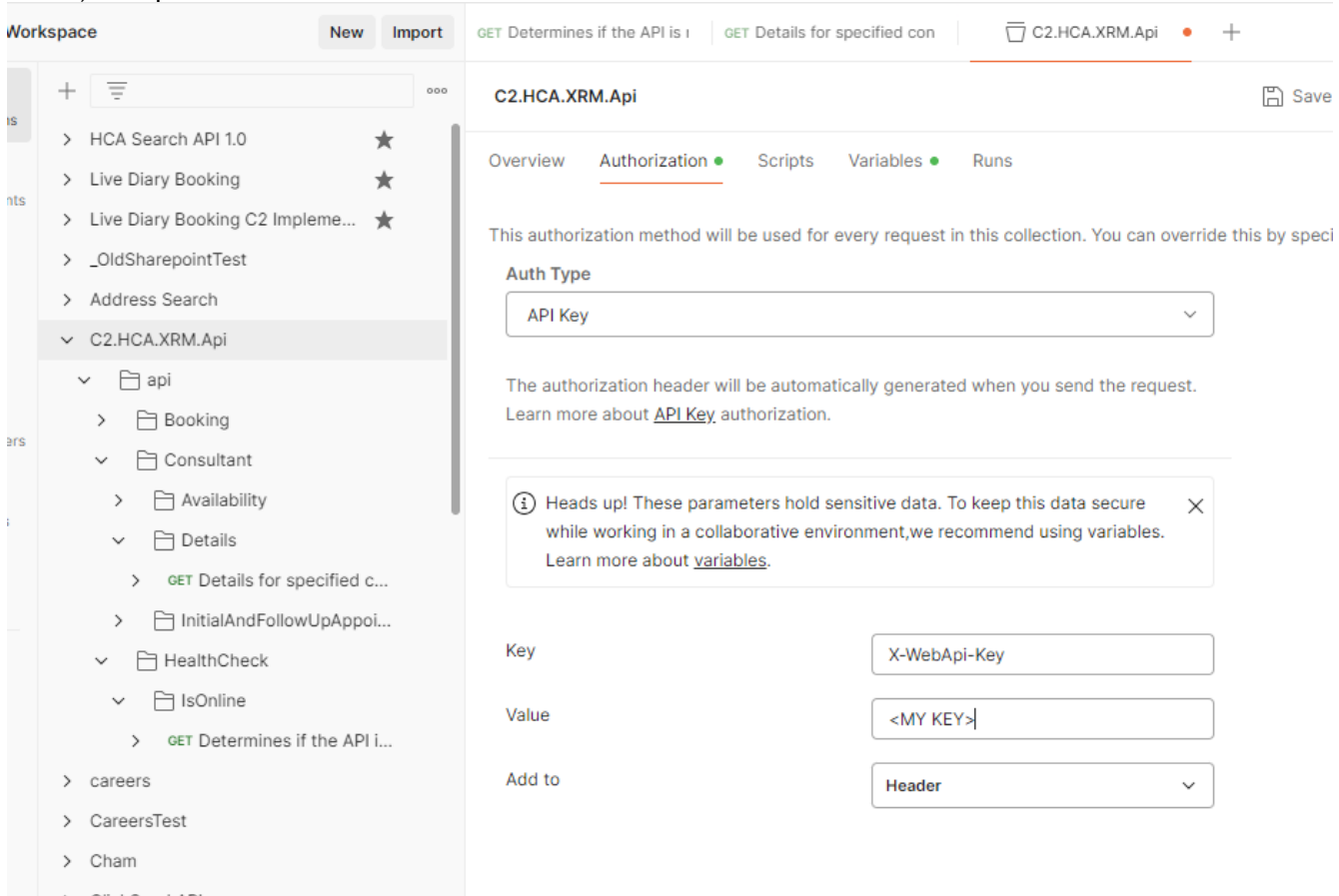
Note for existing API users: whilst we are keeping the v1 endpoints running in parallel, they will be deprecated at some point in time, so please consider upgrading to v2.

Try out using Postman

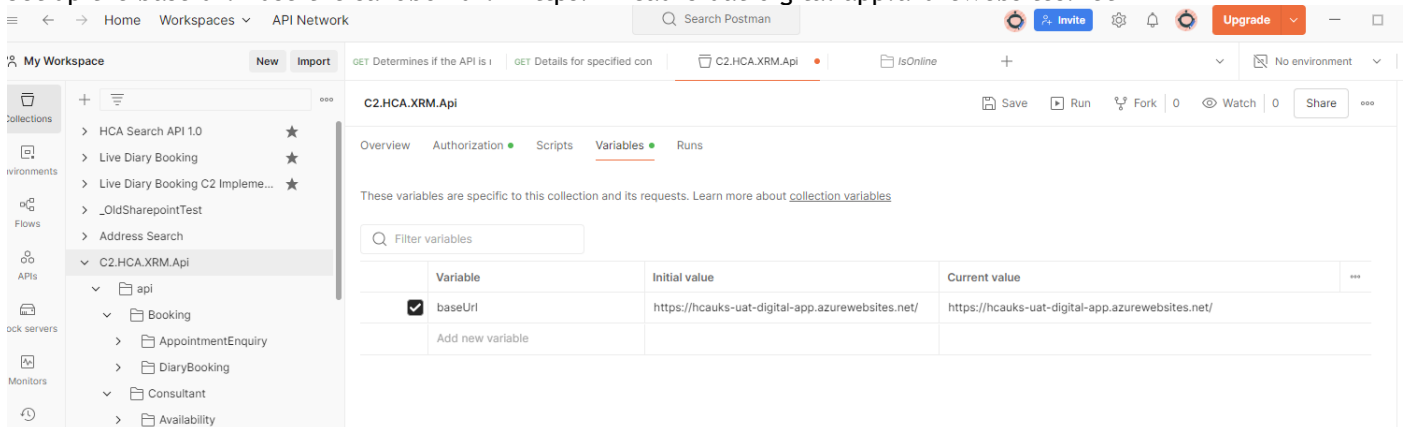
Integrators tend to find it is useful to try out the API using [Postman](#) before committing to full scale development.

Install and set up [Postman](#)

- 1.) Create a new collection by
- 2.) Using the Import button in the workspace section, download the swagger [HCA OCB API Swagger Definition](#) and import it into Postman
- 3.) Setup the Authorization like this..



Set up the base url - use the sandbox url - <https://hcauks-uat-digital-app.azurewebsites.net/>



There is a HealthCheck call to test the connectivity

The screenshot shows the API Network interface with the following details:

- URL:** `GET {{baseUrl}}/api/HealthCheck/IsOnline?ValidateConnection=true`
- Method:** GET
- Params:** Auth, Headers (9), Body, Scripts, Settings
- Query Params:**

Key	Value	Description
ValidateConnection	true	
- Body:** JSON

```
{
  "Success": true,
  "ResponseId": "ee450038-08b9-411e-af23-4afe610a2f40",
  "Data": {
    "HealthCheckSuccess": true
  },
  "Message": "",
  "ValidationErrors": {}
}
```
- Status:** 200 OK, 281 ms, 796 B

A red arrow points from the 'HealthCheck' folder in the left sidebar to the 'GET Determines if the API...' endpoint.

Broadly, the flow is
get the consultant details using the GMC/Professional Id

The screenshot shows the API Network interface with the following details:

- URL:** `GET {{baseUrl}}/api/Consultant/Details?HCAConsultantID=4113571&InitialAppointment=&FollowOnAppointment=yes`
- Method:** GET
- Params:** Authorization, Headers (10), Body, Scripts, Settings
- Query Params:**

Key	Value	Description
HCAConsultantID	4113571	
InitialAppointment		
FollowOnAppointment	yes	
- Body:** JSON

```
{
  "HCAConsultantId": "GOLDAND",
  "CRMID": "66c7e5cf-bd4e-ed11-bba3-000d3ad4e1fb",
  "providerType": "Consultant",
  "professionalRegistrationNumber": "4113571",
  "professionalLicenceType": "",
  "providerMainSpecialty": "Orthopaedics (Surg)",
  "title": "Mr",
  "firstName": "Andrew Julian",
  "lastName": "Goldberg",
  "liveDiaryBookingAvailable": true,
  "availability": [
  ]
}
```
- Status:** 200 OK, 1.67 s, 1.13 KB

A red arrow points from the 'Details' folder in the left sidebar to the 'GET Details for specified c...' endpoint.

Get slot availability for the given consultant at a location given in the consultant details, specifying a from and to date range and follow on appointment type set to “yes” or “no”

The screenshot shows the Postman interface with a workspace named "My Workspace". The left sidebar contains a collection of API requests under "C2.HCA.XRM.Api". The "Availability" folder is expanded, and the "GET Availability for specified consultant" request is selected. The request is a GET method with the following URL: `{{baseUri}}/api/Consultant/Availability?HCAConsultantID=&ConsultantGUID=66c7e5cf-bd4e-ed11-bba3-000d3ad4e1fb&DateFrom=2025-02-24&DateTo=2025-02-28`. The "Params" tab is active, showing the following parameters:

Key	Value	Description
DateTo	2025-02-28	
LocationID		
LocationGUID	3dd69ee7-20a6-ed11-aad1-6045bd10f3ee	
InitialAppointment		
FollowOnAppointment	yes	

The "Body" tab is active, showing a JSON response:

```
1 {
2   "dateFrom": "2025-02-24",
3   "dateTo": "2025-02-28",
4   "slots": [
5     {
6       "startTime": "2025-02-25T08:00:00",
7       "endTime": "2025-02-25T08:30:00",
8       "isBlocked": false
9     },
10    {
11      "startTime": "2025-02-25T08:30:00",
12      "endTime": "2025-02-25T09:00:00",
13      "isBlocked": false
14    }
15  ]
16 }
```

Create a diary booking for a given slot, posting the details to the body of the request (note the use of “yes” and “no” values for followOnAppointment and initialAppointment rather than booleans...

The screenshot shows the Postman interface with a workspace named "My Workspace". The left sidebar contains a collection of API requests under "C2.HCA.XRM.Api". The "Booking" folder is expanded, and the "POST Creates a diary booking and sends an email to..." request is selected. The request is a POST method with the following URL: `{{baseUri}}/api/Booking/DiaryBooking`. The "Body" tab is active, showing a JSON request:

```
1 {
2   "hcaConsultantID": "4113571",
3   "facilityId": "COCWB",
4   "patientCode": "X123456",
5   "dateFrom": "2025-02-11T12:00:00",
6   "followOnAppointment": "yes",
7   "initialAppointment": "no",
8   "visitReasonDetails": {
9     "reasonForAppointment": "ZZZTEST-NEWAPI"
10  },
11  "demographics": {
12    "selectedSpeciality": "Orthopaedics (Surg)",
13    "previouslyBeenWithHCA": true,
14    "title": "Mr",
15    "firstName": "ZZZTEST",
16    "lastName": "ZZZTEST",
17    "gender": "Male",
18    "dateOfBirth": "2000-01-01",
19    "email": "ZZZTEST@test.com",
20    "phone": "5555555555",
21    "address1": "ZZZTEST",
22    "address2": "ZZZTEST",
23    "towncity": "ZZZTEST",
24    "postcode": "ZZZTEST",
25    "country": "ZZZTEST",
26    "marketingPreferenceEmail": true,
27    "marketingPreferencePhone": false,
28    "marketingPreferenceSMS": false,
29    "marketingPreferencePost": false,
30    "representativeTitle": "",
31    "representativeFirstName": "",
32    "representativeLastName": "",
33    "representativeRelation": "",
34    "representativeEmail": ""
35  }
36 }
```

There is also a call that can fetch the surface level details of one or more consultants,
Post in a list of consultants gmc numbers...

The screenshot displays a REST client interface with a sidebar on the left and a main workspace on the right. The sidebar, titled "My Workspace", contains a tree view of collections, environments, flows, APIs, mock servers, monitors, and history. The "APIs" collection is expanded, showing a folder named "C2.HCA.XRM.Api" which contains several endpoints. The endpoint "POST Returns availability information for the one or ..." is selected.

The main workspace shows the details of the selected POST request. The URL is `{{baseUrl}}/api/Consultant/InitialAndFollowUpAppointments`. The request body is a JSON array of consultant GMC numbers: `1 [{"consultants": ["6964789", "7453884", "6077681", "6138058", "3201213", "3293775", "6102135", "2348760", "4538297", "3337880", "7049848"]} ]`. The response is shown in the "Body" tab, indicating a 200 OK status with a response time of 509 ms and a body size of 769 B. The response body is a JSON array of two consultant objects:

```
90 {
91   "professionalRegistrationNumber": "7453884",
92   "professionalRegistrationType": "",
93   "mnemonic": "KHAMAH",
94   "refreshdate": null,
95   "live": false,
96   "live_status": null,
97   "initial_appointment_minutes": null,
98   "follow_appointment_minutes": null
99 },
100 {
101   "initial_appointment": "2025-03-10T14:30:00Z",
102   "follow_appointment": "2025-03-10T14:30:00Z",
103   "professionalRegistrationNumber": "6102135",
104   "professionalRegistrationType": "",
105   "mnemonic": "ZAHSH",
106   "refreshdate": "2025-02-24T12:03:29Z",
107   "live": true,
108   "live_status": null,
109   "initial_appointment_minutes": 15,
110   "follow_appointment_minutes": 15
111 }
112 }
```

It is also possible to discover details of all consultants in the system by specifying an empty array in the InitialAndFollowUpAppointments call.

This call has the advantage that the caller can know which consultants are live and available by checking for “live”: **true** without having to know GMC numbers in advance.

The screenshot displays a REST client interface with a sidebar on the left and a main workspace on the right. The sidebar, titled "My Workspace", contains a tree view of collections and environments. The "C2.HCA.XRM.Api" collection is expanded, showing various endpoints. The main workspace shows a selected endpoint: "POST {{baseUrl}}/api/Consultant/InitialAndFollowUpAppointments". The request body is a JSON object:

```
1 {"consultants": []}
```

. The response body is a JSON array of consultant details, including fields like "availability", "initial_appointment", "follow_appointment", "professionalRegistrationNumber", "professionalRegistrationType", "mnemonic", "refreshdate", "live", "live_status", "initial_appointment_minutes", and "follow_appointment_minutes".

My Workspace

New Import

GET Determines if th GET Details for spec C2.HCA.XRM.A GET Availability for s GET Availability for s POST Returns availal POST Returns availal

C2.HCA.XRM.Api / api / Consultant / InitialAndFollowUpAppointments / Returns availability information for all consultants

POST {{baseUrl}}/api/Consultant/InitialAndFollowUpAppointments

Params Authorization Headers (13) Body Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {"consultants": []}
```

Body Cookies (2) Headers (7) Test Results 20

{ JSON Preview Visualize

```
1 {
2   "availability": [
3     {
4       "initial_appointment": null,
5       "follow_appointment": null,
6       "professionalRegistrationNumber": null,
7       "professionalRegistrationType": "",
8       "mnemonic": null,
9       "refreshdate": null,
10      "live": false,
11      "live_status": null,
12      "initial_appointment_minutes": null,
13      "follow_appointment_minutes": null
14    },
15    {
16      "initial_appointment": null,
17      "follow_appointment": null,
18      "professionalRegistrationNumber": "7508298",
19      "professionalRegistrationType": "TempValueForTesting",
20      "mnemonic": "HEEKA",
21      "refreshdate": null,
22      "live": null,
```

Note that this is an expensive call - so please use this sparingly! - it returns a lot of data, so bear this in mind when processing. It is not recommended to call this more than once every 10 minutes.

API Overview

- 1.) The **Consultant Initial And Follow Up Appointments** endpoint is used to discover details of a single, multiple or all the available consultants on the platform.
- 2.) The **Consultant Details** endpoint is fed a consultant GMC number, and the appointment type required (initial or follow on). It returns basic details around the consultant, and a list of the consultant's availability at the HCA facilities (if any) with the first available time included for each location. It is expected that the caller should store the GUIDs for the consultant and facility which will be passed and used on any further call.
- 3.) The **Consultant Availability** endpoint is used to discover the available slots for a given consultant at a given facility location for a given date range.
- 4.) The **Diary Booking** endpoint is used to capture the patient details and book a selected appointment slot.

A JSON response is returned for each successful call.

A standard HTTP error status code is returned on a failed call.

Optionally

The **Booking Appointment Enquiry** endpoint is used to capture the interest of a patient in seeking to book an appointment on an indicative timeline.

Important notes

1. To avoid confusion, all date and time references are given in **HCA facility time at the date at the given time**, for example an appointment slot on the 20th June 2026 at 14:00 would be represented as 2026-06-20T14:00:00 in the API regardless of the caller's locale and regardless of daylight savings now or at the future time. The date and time is the actual time for the given appointment at the given location. **It is important that the caller of the API honours this and they should not pass any UTC times for example time formats with Z endings.**
2. Note that a slightly non-standard format is used when specifying initial or follow-on appointments in that we expect a '**yes**' or '**no**' string **rather than** the conventional **true or false** Boolean to be passed in parameter arguments.
3. The API exposes all slots that are theoretically bookable. HCA has a business rule where **we can't accept booking electronically that are earlier than 2 business days away**, please include logic when offering slots to exclude those on less than 2 business days away, including checks for UK holidays.

Consultant/InitialAndFollowUpAppointments API

Description

The **InitialAndFollowUpAppointments** endpoint is used to discover details of a single, multiple or the universe of available consultants on the platform.

- When called with an empty array list in the body, this simple call will return a list of all the consultants on the platform. This call can be used to 'prime' the caller system with the available live consultants. Note (especially on the sandbox environment) there may be some elements of the returned data that have partial data, these are usually records in the preparation stages and are not live consultants, so it is advisable to check the live flag before processing each record further.
- When called with an array containing a single or comma separated list of consultant GMC number/s it will return data relating to the supplied list of GMC numbers indicating the first available appointment times for initial and follow on appointment types. This can be useful information for a patient or system to aid and filter from an initial selection of consultants. Note that the order of the result set is not guaranteed to be the same order of the specified request list.

Format

POST request with X-WebApi-Key header parameter set to the HCA supplied token in the request header.

Sandbox Base URL

<https://hcauks-uat-digital-app.azurewebsites.net/api/Consultant/InitialAndFollowUpAppointments>

Prod Base URL

<https://hcauks-prod-digital-app.azurewebsites.net/api/Consultant/InitialAndFollowUpAppointments>

The body should contain

Either

- `{"consultants": []}` to request for all consultants in the system**
- `{"consultants": ["123456","987654"]}` to request for one or more consultants in the system via their GMC number**

Response

A successful response from the API would be as follows with the live flag, first appointment date/time for initial and follow on appointments, and includes the consultant initial and follow on slot length in minutes, and some details around when the data was refreshed: (note the mix of live and in-test records)

```
Body Headers (7)
{} JSON ▾ ▶ Preview
1 {
2   "availability": [
3     {
4       "initial_appointment": null,
5       "follow_appointment": null,
6       "gmc": "6054702",
7       "mnemonic": "THOSIMO",
8       "refreshdate": null,
9       "live": null,
10      "live_status": null,
11      "initial_appointment_minutes": null,
12      "follow_appointment_minutes": null
13    },
14    {
15      "initial_appointment": null,
16      "follow_appointment": null,
17      "gmc": "4116983",
18      "mnemonic": "HARSALL",
19      "refreshdate": null,
20      "live": false,
21      "live_status": null,
22      "initial_appointment_minutes": null,
23      "follow_appointment_minutes": null
24    },
25    {
26      "initial_appointment": "2025-01-18T08:00:00Z",
27      "follow_appointment": "2025-01-18T08:00:00Z",
28      "gmc": "4113571",
29      "mnemonic": "GOLDAND",
30      "refreshdate": "2025-01-16T13:00:07Z",
31      "live": true,
32      "live_status": null,
33      "initial_appointment_minutes": 30,
34      "follow_appointment_minutes": 40
35    },
36    {
37      "initial_appointment": "2025-01-23T12:15:00Z",
38      "follow_appointment": "2025-01-21T14:00:00Z",
39      "gmc": "4438074",
```

Consultant/Details API

Description

The **Consultant Details API** is fed a consultant GMC number, and the appointment type required (initial or follow on). It returns basic details around the consultant, and a list of the consultant's availability at the HCA facilities (if any) with the first available time included for each location. It is expected that the caller should store the GUIDs for the consultant (CRMID), and facility (facilityCRMID), and the HCA facility location (facilityLocation) which will be passed and used on further calls.

Format

GET request with X-WebApi-Key header parameter set to the HCA supplied token in the request header.

Sandbox Base URL

<https://hcauks-uat-digital-app.azurewebsites.net/api/Consultant/Details>

Prod Base URL

<https://hcauks-prod-digital-app.azurewebsites.net/api/Consultant/Details>

Variable parameters

&HCAConsultantId=<GMC NUMBER>

Either

&followonappointment=yes

Or

&initialappointment=yes

Response

A successful response from the API would be as follows with the first appointment date/time for each location they are available:

```
{
  "HCAConsultantId": "GOLDAND",
  "CRMID": "66c7e5cf-bd4e-ed11-bba3-000d3ad4e1fb",
  "providerType": "Consultant",
  "professionalRegistrationNumber": "4113571",
  "providerMainSpecialty": "Orthopaedics (Surg)",
  "title": "Mr",
  "firstName": "Andrew Julian",
  "lastName": "Goldberg",
  "liveDiaryBookingAvailable": true,
  "availability": [
    {
      "facilityLocation": "COCWB",
      "facilityCRMID": "5113ed2a-0a41-ee11-bdf4-6045bd10f40d",
      "facilityFullName": "Elstree Outpatients and Diagnostic Centre",
      "facilityAddress": "The Waterfront Business Park, Beaufort House, Elstree WD6 3BS",
      "latitude": "51.64293",
      "longitude": "-0.31669",
      "firstAppointmentSlotDateTime": "2023-10-10T08:00:00"
    },
    {
      "facilityLocation": "COCSE",
      "facilityCRMID": "5513ed2a-0a41-ee11-bdf4-6045bd10f40d",
      "facilityFullName": "HCA UK at The Shard",
      "facilityAddress": "The Shard, 32 St Thomas St, London SE1 9BS",
      "latitude": "51.50453",
      "longitude": "-0.08648",
      "firstAppointmentSlotDateTime": "2023-10-10T17:30:00"
    },
    {
      "facilityLocation": "COCWP",
      "facilityCRMID": "7b13ed2a-0a41-ee11-bdf4-6045bd10f40d",
      "facilityFullName": "Platinum Medical Centre",
      "facilityAddress": "15 - 17 Lodge Road, London NW8 7JA",
      "latitude": "51.52864",
      "longitude": "-0.16862",
      "firstAppointmentSlotDateTime": "2023-10-09T12:30:00"
    },
    {
      "facilityLocation": "COCWD",
      "facilityCRMID": "8f13ed2a-0a41-ee11-bdf4-6045bd10f40d",
      "facilityFullName": "Wellington Diagnostic OP",
      "facilityAddress": "Roman House, 296 Golders Green Road, London NW11 9PY",
      "latitude": "51.58051",
      "longitude": "-0.20956",
      "firstAppointmentSlotDateTime": "2023-10-23T16:30:00"
    }
  ]
}
```

Consultant/Availability API

Description

The **Consultant Availability API** is used to discover the available slots for a given consultant at a given facility location for a given date range.

Format

GET request with X-WebApi-Key header parameter set to the HCA supplied token in the request header.

Sandbox Base URL

<https://hcauks-uat-digital-app.azurewebsites.net/api/Consultant/Availability>

Prod Base URL

<https://hcauks-prod-digital-app.azurewebsites.net/api/Consultant/Availability>

Variable parameters

&DateFrom=<YYYY-MM-DD> e.g. 2025-10-09

&DateTo==<YYYY-MM-DD> e.g. 2025-10-15

&ConsultantGUID=<CRMID> e.g. 66c7e5cf-bd4e-ed11-bba3-000d3ad4e1fb from CRMID in Consultant Details API call

&LocationGUID=<facilityLocation> e.g. 5513ed2a-0a41-ee11-bdf4-6045bd10f40d from facilityLocation in Consultant Details API call

Either

&followonappointment=yes

Or

&initialappointment=yes

Response

A successful response from the API is a JSON collection of available booking slots that meet the criteria specified. A slot can be selected if `isBlocked` is false. The `startTime` should be stored and used to pass to the Create Diary Booking API

```
{
  "dateFrom": "2023-10-09",
  "dateTo": "2023-10-15",
  "slots": [
    {
      "startTime": "2023-10-10T17:30:00",
      "endTime": "2023-10-10T18:00:00",
      "isBlocked": false
    },
    {
      "startTime": "2023-10-10T18:00:00",
      "endTime": "2023-10-10T18:30:00",
      "isBlocked": false
    },
    {
      "startTime": "2023-10-10T18:30:00",
      "endTime": "2023-10-10T19:00:00",
      "isBlocked": false
    },
    {
      "startTime": "2023-10-10T19:00:00",
      "endTime": "2023-10-10T19:30:00",
      "isBlocked": false
    }
  ]
}
```

Booking/DiaryBooking API

Description

The **Diary Booking API** is used to capture the patient details and book a selected appointment slot. The system will check availability is OK before confirming booking.

Format

POST request with X-WebApi-Key header parameter set to the HCA supplied token in the request header.

Sandbox Base URL

<https://hcauks-uat-digital-app.azurewebsites.net/api/Booking/DiaryBooking>

Prod Base URL

<https://hcauks-prod-digital-app.azurewebsites.net/api/Booking/DiaryBooking>

Body definition

```
{
  "HCAConsultantId": "H113571", /*GMC number mandatory*/
  "FacilityId": "COCSD", /*HCA facility code found on Consultant Detail data - mandatory*/
  "dateFrom": "2023-10-24T17:30:00", /*From selected start time per slot data returned - mandatory*/
  "initialAppointment": null, /*appointment type initial values null or "yes"*/
  "followonAppointment": "yes", /*appointment type follow on values null or "yes"*/
  "visitReasonDetails": {
    "selectedSpecialty": "Orthopaedic Surgery", /* specialty required - free format top level specialty max 64 chars. If in doubt,
page through HCA specialties with the Dectify API using page and offset and select the name from https://api.dectify.com/api/hca/listing/keywords?keywordType=specialty&limit=10&offset=0
*/
    "reasonForAppointment": "TEST DONT BOOK" /*free format description of reason for contact centre consumption max 512 chars*/
  },
  "demographics": {
    "bookingBy": "patient", /*who is booking this appointment? string values patient or insurer*/
    "paidBy": "insurance", /*who is paying for this appointment? string values self-pay or insurance*/
    "gpReferral": true, /*is this a GP referral? boolean type values true or false*/
    "insuranceProvider": "AXA PPP Healthcare", /*mandatory if insurance, who is the provider? values are free text or suggested names from https://api.dectify.com/api/hca/listing/insurers max 64 chars*/
    "insurancePolicyNumber": "123456789", /*mandatory if insurance, what is the policy number? values are free text max 32 chars*/
    "insuranceAuthorisationCode": "ABCDEFG123", /*mandatory if insurance, what is the authorisation code? values are free text max 32 chars*/
    "cantDobates": "", /*ignore*/
    "previouslySeenWithHCA": true, /*has the patient previously been with HCA? boolean type values true or false*/
    "patientCode": "X000000000", /*mandatory if the patient has previously been with HCA? patient code (X Number) max 12 chars*/
    "title": "Mr", /*mandatory title possible values are Mr, Mrs, Miss, Ms, Prof, Dr*/
    "firstName": "Test", /*mandatory first name max 64 chars*/
    "lastName": "Test", /*mandatory last name max 64 chars*/
    "address1": "1 Railway Cuttings", /*mandatory address line 1 max 64 chars*/
    "address2": "Test Line 2", /*optional address line 2 max 64 chars*/
    "postcode": "AB12 345", /*mandatory postcode max 12 chars*/
    "townCity": "Test Town", /*mandatory city max 64 chars*/
    "country": "Test Country", /*mandatory country max 64 chars*/
    "gender": "Male", /*mandatory gender possible values are Male, Female, Non binary, Other*/
    "dateOfBirth": "2000-01-01", /*mandatory date of birth format YYYY-MM-DD*/
    "email": "test@hcahealthcare.co.uk", /*mandatory email client side validated with @ and . max 64 chars*/
    "phone": "01234567890", /*mandatory contact phone number client side validated max 20 chars*/
    "marketingPreferenceEmail": true, /*mandatory Email preference values binary true or false*/
    "marketingPreferencePhone": true, /*mandatory Phone preference values binary true or false*/
    "marketingPreferenceSMS": true, /*mandatory SMS preference values binary true or false*/
    /*section for a 3rd party non-patient's details mandatory fields if bookingBy is insurer or representativeRelationToPatient is filled*/
    "representativeTitle": "Mr", /*mandatory title of the patient's representative, possible values are Mr, Mrs, Miss, Ms, Prof, Dr*/
    "representativeFirstName": "Insurer rep", /*mandatory first name of the patient's representative max 64 chars*/
    "representativeLastName": "Test Last Name", /*mandatory last name of the patient's representative max 64 chars*/
    "representativeEmail": "insurer@test.com", /*mandatory email of the patient's representative client side validated with @ and . max 64 chars*/
    "representativePhone": "0123456234567", /*mandatory patient's representative phone number client side validated max 24 chars*/
    "representativeRelation": "insurer" /*mandatory if bookingBy is insurer or representative details are completed. Free format string values max 24 chars, specify "insurer" if insurance provider is completing*/
  }
}
```

Response

A successful response from the API will be the ID of the Diary Booking that has been created.

```
{
  "dateFrom": "2023-10-24T17:30:00",
  "dateTo": "",
  "HCAReservationId": "fdf52e6b-345d-ee11-8def-6045bdd2c7db",
  "bookingStatus": "Pending",
  "bookingMessage": "Thank you for your booking request"
}
```

An unsuccessful response from the API will result in a non 200 HTTP status code, and some error text.

Booking/AppointmentEnquiry API

Description

The **Appointment Enquiry API** is used to capture a request by a patient to enquire about booking an appointment. This is an enquiry rather than a firm booking. The HCA contact centre will follow up on the enquiry by contacting the patient from the details they provide in the enquiry.

Format

POST request with X-WebApi-Key header parameter set to the HCA supplied token in the request header.

Sandbox Base URL

<https://hcauks-uat-digital-app.azurewebsites.net/api/Booking/AppointmentEnquiry>

Prod Base URL

<https://hcauks-prod-digital-app.azurewebsites.net/api/Booking/AppointmentEnquiry>

Body definition

```
{
  "practice": "Golders Green Outpatients and Diagnostics Centre", /*indicative where should the appointment take place*/
  "dateAppointment": "Within 1 week", /*indicative when should the appointment take place*/
  "timeAppointment": "Morning", /*indicative time that the appointment take place*/
  "previousPatient": "Yes", /*has the patient been with HCA before*/
  "title": "Mr", /*name title*/
  "firstName": "ZZZTESTFIRSTNAME-NEW-API", /*the first name of the patient*/
  "lastName": "ZZZTESTLASTNAME-NEW-API", /*the last name of the patient*/
  "gender": "Male", /*the gender of the patient*/
  "date": "2000-01-01", /*the date of the request yyyy-mm-dd format*/
  "userPhone": "07788999999", /*the contact number of the requestor*/
  "userEmail": "test@ignore.domain", /*the contact email of the requestor*/
  "insurance": "CS Healthcare", /*optional insurance provider of the patient*/
  "insuranceNumber": "INS0987654321", /*optional insurance policy number of the patient*/
  "reasonVisit": "TESTING THE FORM PLEASE IGNORE", /*the reason for the request*/
  "reCAPTCHA": "", /*can be used if the sending form has a Google reCAPTCHA token to validate before forwarding*/
  "email": true, /*boolean true or false - patient contact preferences for this enquiry*/
  "sms": true, /*boolean true or false - patient contact preferences for this enquiry*/
  "phone": true, /*boolean true or false - patient contact preferences for this enquiry*/
  "post": false, /*boolean true or false - patient contact preferences for this enquiry*/
  "dateOfBirthFormatted": "01-01-2000", /*patient date of birth yyyy-mm-dd format*/
  "consultantName": "Miss Micha Shetty", /*optional desired consultant name*/
  "consultantTopSpecialty": "Orthopaedic Surgery", /*specialty required*/
  "hiddenFormInstance": "37bf88-ce54-dfa8-572c-5315bd5a8b58" /*generate a unique tracking id - UID format to store and then track through the CRM*/
}
```

Response

A successful response from the API will be the ID of the Diary Booking that has been created.

```
{
  "dateFrom": "2023-10-24T17:30:00",
  "dateTo": "",
  "HCAReservationId": "fdf52e6b-345d-ee11-8def-6045bdd2c7db",
  "bookingStatus": "Pending",
  "bookingMessage": "Thank you for your booking request"
}
```

An unsuccessful response from the API will result in a non 200 HTTP status code, and some error text.

Referral Letters

Description

Both the **Appointment Enquiry API** and the **Diary Booking API** have been extended to allow the capture of a referral pdf as a new optional field on the post bodies.

An optional new property field named `base64ReferralFile` is included as follows:

Enquiry form

```
..
...
"consultantTopSpecialty": "Dermatology",
"hiddenFormInstance": "b26089db-c0d1-4cb5-81c5-621e2cb1c8b1",
"base64ReferralFile": "name:Test
Doc.pdf,data:application/pdf;base64,JVBERi0xLjcNCiW1tbW1DQoxIDAgb2JqDQo8PC9UeXBIL0NhdGFsb2cvUGF
nZXMGMi .....
```

Booking form

```
"demographics": {
  "selectedSpeciality": "Orthopaedics (Surg)",
  "previouslyBeenWithHCA": true,
  "title": "Mr",
  "firstName": "ZZZTEST",
  "lastName": "ZZZTEST",
...
...
  "insuranceAuthorisationCode": "",
  "gpreferral": true,
  "base64ReferralFile": "name:Test
Doc.pdf,data:application/pdf;base64,JVBERi0xLjcNCiW1tbW1DQoxIDAgb2JqDQo8PC9UeXBIL0NhdGFsb2cvUGF
nZXMGMiAwIFlvTGFuZyZy ....
```

Essentially, for **"base64ReferralFile"**: the file name is passed at the start of the data for the field e.g. **name:xxxxxx.pdf** followed by a comma followed by the format - which is always be **data:application/pdf;base64,**

The **base64,** is followed by a Base64 encoded blob that contains the pdf file.

Note that the total length of the message is limited to 1MB at present.

Example client side React – Base64 file capture

We are using a fileInput input field and the file reader [FileReader - Web APIs | MDN](#) feature...

```
const [base64ReferralFile, setbase64ReferralFile] = useState<string>("");
...
...

interface IExtendedReader {
  file: File;
}

...
...

<input
  type="file"
  id="fileInput"
  title="Referral upload"
```

```

accept="application/pdf"
onChange={ (evt) => {
  const file =
    evt &&
    evt.target &&
    evt.target.files &&
    evt.target.files[0] != null
    ? evt.target.files[0]
    : null;
  if (file) {
    const reader = new FileReader();
    reader.onload = function (evt) {
      if (evt && evt.target && evt.target.result) {
        const readerX = this as IExtendedReader &
          FileReader;
        const base64String = evt.target.result.toString();
        setbase64ReferralFile(
          'name:' + readerX.file.name + ',' + base64String
        );
      }
    };
    const readerX: IExtendedReader & FileReader =
      Object.assign(reader, {
        file: file,
      });
    readerX.readAsDataURL(file);
  }
}}
/>

```