

# **API Documentation – blueEHR Version 3.0**

31 March 2026

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-- End of EULA --



## Table of Contents

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End User License Agreement Requirements .....	2
Trademark Notice .....	2
Software License Notice .....	2
1. Introduction .....	3
2. Pre-requisites .....	3
3. Authentication .....	3
API Response Format .....	4
4. Patient Data .....	5
5. Patient History .....	14
6. Medications .....	20
6.1 Prescription .....	20
6.2 Med Entry .....	25
7. Issues .....	30
7.1 Allergy .....	30
7.2 Problem List .....	35
8. Lab API .....	39
8.1 Lab Results Only .....	39
8.2 Lab Orders Only .....	44
9. Vitals .....	49
10. Procedures .....	55
11. Complete Data Pull (CCDA) .....	58
12. Immunization .....	61
13. Implanted Devices .....	63
14. Encounter Notes .....	66
14.1 Assessment .....	66
14.2 Goals .....	68
14.3 Health Concerns .....	70
14.4 Treatment Plan .....	72

## Revision History

Version	Date	Description
1	31st March, 2026	blueEHR version 3.0 API Documentation

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# 1. Introduction

This document describes the API specifications for our platform, which supports the United States Core Data for Interoperability (USCDI) Version 3 data elements. USCDI v3 builds upon earlier versions by expanding the set of standardized health data classes and elements required for interoperability across healthcare systems. Our APIs have been designed to fully align with these standards, enabling seamless and compliant exchange of health information between providers, payers, and patients.

The APIs documented here follow REST (Representational State Transfer) architectural principles, using standard HTTP methods – GET, POST, PUT, and DELETE – to perform operations on health data resources. Each endpoint is designed to be stateless, resource-oriented, and interoperable, with responses returned in JSON format. Authentication is enforced on all endpoints to ensure secure access, and all data exchange occurs over TLS-encrypted connections in compliance with HIPAA security requirements. Implementers integrating with these APIs should refer to the ONC USCDI v3 specification for a complete reference on the supported data elements and their conformance expectations.

## 2. Pre-requisites

API module needs to be enabled in the facility from which the data needs to be fetched. API key and Secret key needs to be generated in the facility from which the data needs to be pulled. If there are multiple devices accessing the facility data, they can use multiple secret and api keys if required. These keys are used to create the authentication header. Authentication header token will be used to successfully connect to the API. Users can use any software to access these APIs but need ability to access web APIs. API clients must support SSL (Secure Sockets Layer) communication. All API access is over HTTPS.

## 3. Authentication

To establish connectivity with blueEHR, the external system has to provide a set of parameters to authenticate the system. The parameters include public and private keys. Details description of the parameters is as given below.

Parameters required for incoming message:

26 Registered Facility ID (required): Facility ID to which the patient details has to be added/merged. [POST field ID: facility]

27 Header (required): Header is a combination of APIs public key, private key and signature. Public and Private keys will be generated from the application. The actual structure of the header is as below:

A signature =  
base64(hash\_hmac('md5',user\_type+device\_id+date,private\_key,true))



- I user\_type – supported values are patient and user. In this case use the value ‘user’.
  - II device\_id – this value is generated from the application. If you are not trying to connect a device you can just hardcode some string value.
  - III date – current date.
  - IV Private\_key – generated from the application for a particular facility.
- 28 The above signature string is used to generate a header, which has to be passed along with the request. Header is a combination of prefix, public\_key and signature. Header = prefix+public\_key+:+signature.
- A prefix – string value, can hard code as “PRE”
  - B public\_key – generated from the application.
  - C signature – string generated in the previous step.
- 29 This parameters has to be passed through request’s header

## API Response Format

The blueEHR REST API responses are available in JSON format. Every response has the following structure.

```
Array
(
  [response] => Array
    (
      [status] => Array
        (
          [status] => error
          [code] => 401
          [Message] => Signature does not match
        )
      [data] => Array
        (
        )
    )
)
```

The entire response is wrapped inside the response index, which contains two parts: status and data. The status section contains the status of the request (either success or error), status code and the status message. The data part contains the actual data for the request.



## 4. Patient Data

HTTP GET method is used to fetch patient data. We have to pass the patient ID as a GET parameter.



**GET** <https://app3.blueehs.com/public/demographics-api>

### Parameters

Name	Description
authorization * <i>String</i> (header)	Access token shared by BlueEHR
facility * <i>String</i> (query)	Facility ID shared by BlueEHR
id * <i>Integer</i> (query)	Patient ID

### Responses

HTTP Code	Response
-----------	----------



```
{
  "response": {
    "status": {
      "status": "success", "code":
      200,
      "message": ""
    },
    "data": { "pd_id": "1034",
      "pd_pid": "1031",
      "title": "",
      "fname": "Alice",
      "mname": "Jones",
      "lname": "Newman",
      "maiden_name": "",
      "external_id": "979",
      "crs_external_id": "",
      "ss": "123456789",
      "dob": "1970-05-01",
      "sex": "female",
      "addrss": "",
      "city": "",
      "postal_code": "",
      "email_id": "",
      "his_id": "810",
      "photo": "",
      "phone": "",
      "pd_loc_id": "1000",
      "pd_activity": "1",
      "marital_status": "",
      "onset_hospitalization": "",
      "address": "ZH Healthcare",
      "state": "",
      "country": "US",
      "home_phone": "+1 (555) 723-1544",
      "work_phone": "",
      "mobile_phone": "+1 (555) 777-1234",
```



```
"hippa_notice": "",
"hippa_voice": "",
"hippa_mail": "",
"hippa_allowsms": "",
"hippa_allowemail": "",
"hippa_message": "",
"allow_patient_portal": "yes",
"occupation": "",
"em_name": "",
"em_city": "",
"em_state": "",
"em_country": "",
"em_postal_code": "",
"deceased_date": "",
"deceased_reason": "",
"language": "en-US",
"soap_import_status": "0",
"list_notes": "",
"provideID": "",
"phone_home": "",
"race": "white|||european",
"status": "",
"ethnoracial": "",
"ethnicity": "not_hisp_or_latin",
"country_code": "",
"phone_biz": "",
"religion": "christian_non-catholic_non-
spec",
"religion_code": "",
"street": "",
"pubid": "",
"sleep_pat_loc": "",
```



```
"created_time": "2026-03-17 07:01:44",
"updated_time": "2026-03-17 07:20:39",
"providerID": "",
"care_team": "",
"county": "",
"guardian_title": "",
"guardian_fname": "",
"guardian_mname": "",
"guardian_lname": "",
"guardian_relationship": "",
"guardian_address": "",
"guardian_country": "",
"guardian_phone": "",
"guardian_email": "",
"guardian_city": "",
"guardian_state": "",
"guardian_postal_code": "",
"guardian_gender": "",
"guardian_work_phone": "",
"ad_immunization_registry_status": "",
"ad_im_reg_status_effective_date": "",
"ad_publicity_code": "",
"ad_publi_code_effective_date": "",
"ad_protection_indicator": "",
"ad_protection_effective_date": "",
"communication_pref": "",
"uuid": "",
"hic": "",
"parent_first": "",
```



```
"parent_last": "",
"parent_mid": "",
"parent_add1": "",
"parent_add2": "",
"parent_city": "",
"parent_state": "",
"parent_zip": "",
"parent_phone": "",
"reg_renewal_bit": "0",
"reg_registration_bit": "0",
"pricelevel": "",
"statement_note": "",
"emirates_id": "",
"if_no_emrts_id": "",
"portal_pid": "979",
"hie_reg": "0",
"direct_email": "",
"direct_email_expiry_date": "",
"pd_created_user": "3",
"pd_hold": "0",
"pd_mother_id": "",
"membership": "",
"membership_status": "",
"membership_plan": "",
"membership_payment": "",
"membership_facility": "",
"membership_provider": "",
"membership_interval": "",
"membership_effective_date": "",
"sexual_orientation": "",
"gender_identity": "",
"mothers_maiden_name": "",
```



```
"multiple_birth_indicator": "",
"birth_order": "",
"guardian2_title": "",
"guardian2_fname": "",
"guardian2_mname": "",
"guardian2_lname": "",
"guardian2_relationship": "",
"guardian2_gender": "",
"guardian2_address": "",
"guardian2_city": "",
"guardian2_state": "",
"guardian2_country": "",
"guardian2_postal_code": "",
"guardian2_phone": "",
"guardian2_work_phone": "",
"guardian2_email": "",
"ad_immunization_authorization": "",
"box_15_date_qual": "",
"date_initial_treatment": "",
"ad_surveillance_authorization": "",
"pd_suffix": "",
"relatives": "",
"previous_fname1": "",
"previous_mname1": "",
"previous_lname1": "",
"Relationship": "",
"gender_identity_date": "",
"previous_fname": "",
"previous_mname": "",
"previous_lname": "",
"program_id": "",
"booking_type": "",
"patient_category": "",
"blood_group": "",
"contact_person": "",
```



```
"contact_no": "",
"pd_deactive_status": "0",
"pd_active_deactive_reason": "0",
"pd_active_deactive_other_text": "",
"pregnancy_status": "0",
"pd_previous_fname": "",
"pd_previous_mname": "",
"pd_previous_lname": "",
"language_ability_mode": "ESP",
"language_ability_proficiency": "",
"pd_previous_address": "",
"pd_pcp_since": "",
"pd_previous_city": "",
"pd_previous_state": "",
"pd_previous_country": "",
"pd_previous_postal_code": "",
"address_period_start": "",
"address_period_end": "",
"pd_previous_fname_end_date": "",
"pd_updated_user": "",
"restricted_chart": "0",
"patient_label": "",
"sexuality": "",
"current_gender": "",
"sexual_orientation_date": "",
"birth_sex": "female",
"birth_sex_date": "0000-00-00",
"pregnancy_status_recorded_date": "2022-06-15",
"tribal_affiliation": "coquille_indian_tribe",
"tribal_affiliation_date": "2022-06-15",
"clinical_sex": "female_finding",
"clinical_sex_date": "2022-06-15",
"Preg_Validate": "",
"Pref_pronoun": "",
"DEM136": "",
```



```
"em_street": "",
"em_pid": "",
"id": "",
"region_id": "",
"name": "",
"state_shortcode": "",
"commonwell_id": "",
"list_id": "",
"list_option_id": "",
"list_title": "",
"list_seq": "",
"list_is_default": "",
"list_non_editable": "",
"list_codes": "",
"list_activity": "",
"list_rate": "",
"list_option_value": "",
"list_add_column": "",
"list_table_name": "",
"list_create_sublist": "",
"list_deleted": "",
"list_display": "",
"list_op_id": "",
"list_updated_time": "",
"list_created_time": "",
"list_edit": "",
"list_numeric": "",
"dobl": "19700501",
"patReason": "",
"statename": "",
"sex_title": "Female",
"age": "55 years",
"dob_formatted": "05/01/1970",
"show_patient_image": 0,
"sex_short": "F",
```



	<pre>"photo_encoded": "", "photo_mime_type": "", "patient_concent_form_status": "No Intake", "patient_concent_form_id": "" } }</pre>
204	No content

## 5. Patient History

History forms API provides a method to retrieve history data. HTTP GET method is used to list the history data of a patient. It's response data will be base encoded string. The output format will be in html.



**GET** https://app3.blueehs.com/public/history-forms-api

### Parameters

Name	Description
authorization * <i>String</i> (header)	Access token shared by BlueEHR
facility * <i>String</i> (query)	Facility ID shared by BlueEHR
pid * <i>Integer</i> (query)	Patient ID
createdDateFrom <i>Date</i> (query)	Date of service start date Date in YYYY-MM-DD format
createdDateTo <i>Date</i> (query)	Date of service end date Date in YYYY-MM-DD format

### Responses

HTTP Code	Response
-----------	----------



```
{
    "response": {
        "status": {
            "status": "success", "code":
            200,
            "message": "Showing matching records"
        },
        "data": { "prev": "",
            "next": "", "count": 1,
            "records": [
                { "pres_loc_id": "1000",
                    "pres_id": "683",
                    "pres_patient_id": "1031",
                    "pres_filled_by_id": null,
                    "pres_pharmacy_id": null,
                    "pres_date_added": "2015-06-22",
                    "pres_date_modified": "2026-03-17 07:01:56",
                    "pres_provider_id": "3",
                    "pres_start_date": "2015-06-22",
                    "pres_drug": "Aranesp 0.5 MG per 1 ML Prefilled
                    Syringe",
                    "pres_form": "22",
                    "pres_dosage": "1",
                    "pres_quantity": null,
                    "pres_size": "1",
                    "pres_unit": "0",
                    "pres_route": "C28161",
                    "pres_interval": "47",
                    "pres_substitute": "0",
                    "pres_refills": null,
                    "pres_filled_date": null,
                    "pres_note": "",
                    "pres_active": "1",
                    "pres_encounter": null,
                    "pres_datetime": "2026-03-17 07:01:56",
                    "pres_user": null,
                    "pres_end_date": null,
```



```
"pres_price": null,  
"pres_tax": null,  
"pres_discount": null,  
"pres_disc_amnt": null,  
"pres_total": null,  
"pres_duration": null,  
"pres_dispensed": null,  
"pres_dispense_on": null,  
"pres_provider_name": "Administrator, ZH Admin",  
"pres_quantity_dispensed": null,  
"pres_inv_status": "1",  
"pres_permanent_medicine": "0",  
"pres_prd_id": null,  
"pres_insurance_id": null,  
"pres_comments": null,  
"pres_payment_amount": null,  
"pres_dur_period": null,  
"pres_pw_pharmacy": null,  
"pres_controlled_substance": "0",  
"pres_drug_interaction": null,  
"pres_substitute_txt": null,  
"pres_reason_for_medication": null,  
"pres_adminstration_unit": null,  
"pres_playing_entity": null,  
"pres_added_date_time": "2026-03-17 07:01:56",  
"pres_supervisor_id": "0",  
"pres_outpatient": "0",  
"pres_class": null,  
"pres_administered_by": "0",  
"pres_prd_immunization": "0",  
"pres_pharmacist_note": null,  
"pres_schedule_drug": null,  
"pres_mapped_refill_id": "0",  
"pres_mapped_refill_count": "0",  
"pres_discontinued": "0",
```



```
"pres_discontinued_by": null,
"pres_substitute_parent_id": null,
"pres_discontinued_src": null,
"pres_prn_condition_id": "0",
"pres_priority": "0",
"pres_portal_patient_education": "0",
"pres_instructions": null,
"pres_administer_status": null,
"pres_prescriber_comment": null,
"pres_pharmacy_comment": null,
"pres_external_pharmacy_info": "",
"pres_net_ter": null,
"pres_intent": "0",
"pres_custom_code_type": "0",
"pres_s3_bucket": null,
"pres_pharmacist_added": "0",
"pres_pharmacist_deleted": "0",
"pres_order_ack_status": "1",
"pres_is_order_approved": "1",
"pres_communication_type": "0",
"pres_order_type": "0",
"pres_order_master_id": "0",
"pres_pc_to_warehouse": "0",
"pres_med_type": null,
"pres_flow_rate": null,
"pres_flow_rate_unit": null,
"pres_discharge_med_status": null,
"pres_edit_flag": "0",
"pres_medtype_identifier": "0",
"pres_rec_last_dose_taken_on": null,
"pres_rec_prescription_source": null,
"pres_rec_action": null,
"pres_med_rec_completed": "0",
"pres_con_substance_id": null,
"pres_is_discharge_med": "0",
```



```
"pres_dosage_now": "0",
"pres_size_to": null,
"pres_dosage_range": "0",
"pres_price_edited": "0",
"pres_is_template": "0",
"pres_json_flags": null,
"pres_erp_medtype": "0",
"pres_is_reconciled": "0",
"pres_rec_encounter": "0",
"pres_is_nepp": "0",
"pres_nepp_order_request_id": "",
"pres_nepp_moved_by": null,
"pres_nepp_moved_from": "rx",
"pres_nepp_payment_method": "0",
"pres_nepp_order_status": "",
"pres_completed": "0",
"pres_diag_code": null,
"prd_master_id": null,
"supervisor_id": "0",
"users_fname": "ZH",
"users_mname": "Admin",
"users_lname": "Administrator",
"users_title": "",
"recieved_quantity": null,
"pres_recieved_quantity": null
},
]
}
}
```

No content



400

```
{
  "response": {
    "status": { "status":
"error", "code": 400,
"message": "Validation failed"
},
"data": [], "validations": {
"pid": "The pid field is required"
}
}
}
```

## 6. Medications

HTTP GET method is used to fetch patient medication details. We have to pass patient id as id GET parameter.

### 6.1 Prescription

HTTP GET method is used for viewing Rxlist. We have to pass patient id as pid encounter and status as GET parameter.



**GET** https://app3.blueehs.com/public/rx-api

### Parameters

Name	Description
authorization * <i>String</i> (header)	Access token shared by BlueEHR
facility * <i>String</i> (query)	Facility ID shared by BlueEHR
pid * <i>Integer</i> (query)	Patient ID
encounter <i>Integer</i> (query)	Encounter ID
status <i>String</i> (query)	Possible values are ' <b>all</b> ', ' <b>active</b> ' and ' <b>discontinue</b> '. Default value will be ' <b>all</b> '
createdDateFrom <i>Date</i> (query)	Prescription date from Date in YYYY-MM-DD format
createdDateTo <i>Date</i> (query)	Prescription date to Date in YYYY-MM-DD format
page <i>Integer</i> (query)	Page Number. Default value is 1.
per_page <i>Integer</i> (query)	Page total record limit. Default value is 10.

### Responses

HTTP Code	Response
-----------	----------



```
{
    "response": {
        "status": {
            "status": "success", "code": 200,
            "message": "Showing matching records"
        },
        "data": { "prev": "",
            "next": "", "count": 1,
            "records": [
                { "pres_loc_id": "1000",
                    "pres_id": "683",
                    "pres_patient_id": "1031",
                    "pres_filled_by_id": null,
                    "pres_pharmacy_id": null,
                    "pres_date_added": "2015-06-22",
                    "pres_date_modified": "2026-03-17 07:01:56",
                    "pres_provider_id": "3",
                    "pres_start_date": "2015-06-22",
                    "pres_drug": "Aranesp 0.5 MG per 1 ML Prefilled Syringe",
                    "pres_form": "22",
                    "pres_dosage": "1",
                    "pres_quantity": null,
                    "pres_size": "1",
                    "pres_unit": "0",
                    "pres_route": "C28161",
                    "pres_interval": "47",
                    "pres_substitute": "0",
                    "pres_refills": null,
                    "pres_filled_date": null,
                    "pres_note": "",
                    "pres_active": "1",
                    "pres_encounter": null,
                    "pres_datetime": "2026-03-17 07:01:56",
                    "pres_user": null,
                    "pres_end_date": null,
                    "pres_price": null,
                    "pres_tax": null,
                    "pres_discount": null,
                    "pres_disc_amnt": null,
```



```
"pres_total": null,
"pres_duration": null,
"pres_dispensed": null,
"pres_dispense_on": null,
"pres_provider_name": "Administrator, ZH Admin",
"pres_quantity_dispensed": null,
"pres_inv_status": "1",
"pres_permanent_medicine": "0",
"pres_prd_id": null,
"pres_insurance_id": null,
"pres_comments": null,
"pres_payment_amount": null,
"pres_dur_period": null,
"pres_pw_pharmacy": null,
"pres_controlled_substance": "0",
"pres_drug_interaction": null,
"pres_substitute_txt": null,
"pres_reason_for_medication": null,
"pres_adminstration_unit": null,
"pres_playing_entity": null,
"pres_added_date_time": "2026-03-17 07:01:56",
"pres_supervisor_id": "0",
"pres_outpatient": "0",
"pres_class": null,
"pres_administered_by": "0",
"pres_prd_immunization": "0",
"pres_pharmacist_note": null,
"pres_schedule_drug": null,
"pres_mapped_refill_id": "0",
"pres_mapped_refill_count": "0",
"pres_discontinued": "0",
"pres_discontinued_by": null,
"pres_substitute_parent_id": null,
"pres_discontinued_src": null,
"pres_prn_condition_id": "0",
"pres_priority": "0",
"pres_portal_patient_education": "0",
"pres_instructions": null,
```



```
"pres_administer_status": null,
"pres_prescriber_comment": null,
"pres_pharmacy_comment": null,
"pres_external_pharmacy_info": "",
"pres_net_ter": null,
"pres_intent": "0",
"pres_custom_code_type": "0",
"pres_s3_bucket": null,
"pres_pharmacist_added": "0",
"pres_pharmacist_deleted": "0",
"pres_order_ack_status": "1",
"pres_is_order_approved": "1",
"pres_communication_type": "0",
"pres_order_type": "0",
"pres_order_master_id": "0",
"pres_pc_to_warehouse": "0",
"pres_med_type": null,
"pres_flow_rate": null,
"pres_flow_rate_unit": null,
"pres_discharge_med_status": null,
"pres_edit_flag": "0",
"pres_medtype_identifier": "0",
"pres_rec_last_dose_taken_on": null,
"pres_rec_prescription_source": null,
"pres_rec_action": null,
"pres_med_rec_completed": "0",
"pres_con_substance_id": null,
"pres_is_discharge_med": "0",
"pres_dosage_now": "0",
"pres_size_to": null,
"pres_dosage_range": "0",
"pres_price_edited": "0",
"pres_is_template": "0",
"pres_json_flags": null,
"pres_erx_medtype": "0",
"pres_is_reconciled": "0",
"pres_rec_encounter": "0",
"pres_is_nepp": "0",
```



204

400

```
"pres_nepp_order_request_id": "",
"pres_nepp_moved_by": null,
"pres_nepp_moved_from": "rx",
"pres_nepp_payment_method": "0",
"pres_nepp_order_status": "",
"pres_completed": "0",
"pres_diag_code": null,
"prd_master_id": null,
"supervisor_id": "0",
"users_fname": "ZH",
"users_mname": "Admin",
"users_lname": "Administrator",
"users_title": "",
"recieved_quantity": null,
"pres_recieved_quantity": null
},
]
}
}
}
```

No content

```
{
  "response": {
    "status": { "status":
"error", "code": 400,
"message": "Validation failed"
},
"data": [], "validations": {
"pid": "The pid field is required"
}
}
}
```

## 6.2 Med Entry

HTTP GET method is used for viewing Med entry list. We have to pass action as GET parameter.



**GET** https://app3.blueehs.com/public/rx-api

### Parameters

Name	Description
authorization * String (header)	Access token shared by BlueEHR
facility * String (query)	Facility ID shared by BlueEHR
pid * Integer (query)	Patient ID
action * String (query)	med_entry
encounter Integer (query)	Encounter ID
status String (query)	Possible values are 'all', 'active' and 'discontinue'. Default value will be 'all'
createdDateFrom Date (query)	Prescription date from Date in YYYY-MM-DD format
createdDateTo Date (query)	Prescription date to Date in YYYY-MM-DD format
page Integer (query)	Page Number. Default value is 1.
per_page Integer (query)	Page total record limit. Default value is 10.

### Responses

HTTP Code	Response
-----------	----------



```
{
    "response": {
        "status": {
            "status": "success", "code":
            200,
            "message": "Showing matching records"
        },
        "data": { "prev": "",
            "next": "",
            "count": 1,
            "records": [
                {
                    "pres_loc_id": "1000",
                    "pres_id": "683",
                    "pres_patient_id": "1031",
                    "pres_filled_by_id": null,
                    "pres_pharmacy_id": null,
                    "pres_date_added": "2015-06-22",
                    "pres_date_modified": "2026-03-17 07:01:56",
                    "pres_provider_id": "3",
                    "pres_start_date": "2015-06-22",
                    "pres_drug": "Aranesp 0.5 MG per 1 ML Prefilled
                    Syringe",
                    "pres_form": "22",
                    "pres_dosage": "1",
                    "pres_quantity": null,
                    "pres_size": "1",
                    "pres_unit": "0",
                    "pres_route": "C28161",
                    "pres_interval": "47",
                    "pres_substitute": "0",
                    "pres_refills": null,
                    "pres_filled_date": null,
                    "pres_note": "",
                    "pres_active": "1",
                    "pres_encounter": null,
                    "pres_datetime": "2026-03-17 07:01:56",
                    "pres_user": null,
                    "pres_end_date": null,
                    "pres_price": null,
                    "pres_tax": null,
                    "pres_discount": null,
                }
            ]
        }
    }
}
```



```
"pres_disc_amnt": null,
"pres_total": null,
"pres_duration": null,
"pres_dispensed": null,
"pres_dispense_on": null,
"pres_provider_name": "Administrator, ZH Admin",
"pres_quantity_dispensed": null,
"pres_inv_status": "1",
"pres_permanent_medicine": "0",
"pres_prd_id": null,
"pres_insurance_id": null,
"pres_comments": null,
"pres_payment_amount": null,
"pres_dur_period": null,
"pres_pw_pharmacy": null,
"pres_controlled_substance": "0",
"pres_drug_interaction": null,
"pres_substitute_txt": null,
"pres_reason_for_medication": null,
"pres_adminstration_unit": null,
"pres_playing_entity": null,
"pres_added_date_time": "2026-03-17 07:01:56",
"pres_supervisor_id": "0",
"pres_outpatient": "0",
"pres_class": null,
"pres_administered_by": "0",
"pres_prd_immunization": "0",
"pres_pharmacist_note": null,
"pres_schedule_drug": null,
"pres_mapped_refill_id": "0",
"pres_mapped_refill_count": "0",
"pres_discontinued": "0",
"pres_discontinued_by": null,
"pres_substitute_parent_id": null,
"pres_discontinued_src": null,
"pres_prn_condition_id": "0",
"pres_priority": "0",
"pres_portal_patient_education": "0",
"pres_instructions": null,
"pres_administer_status": null,
"pres_prescriber_comment": null,
"pres_pharmacy_comment": null,
"pres_external_pharmacy_info": "",
```



```
"pres_net_ter": null,
"pres_intent": "0",
"pres_custom_code_type": "0",
"pres_s3_bucket": null,
"pres_pharmacist_added": "0",
"pres_pharmacist_deleted": "0",
"pres_order_ack_status": "1",
"pres_is_order_approved": "1",
"pres_communication_type": "0",
"pres_order_type": "0",
"pres_order_master_id": "0",
"pres_pc_to_warehouse": "0",
"pres_med_type": null,
"pres_flow_rate": null,
"pres_flow_rate_unit": null,
"pres_discharge_med_status": null,
"pres_edit_flag": "0",
"pres_medtype_identifier": "0",
"pres_rec_last_dose_taken_on": null,
"pres_rec_prescription_source": null,
"pres_rec_action": null,
"pres_med_rec_completed": "0",
"pres_con_substance_id": null,
"pres_is_discharge_med": "0",
"pres_dosage_now": "0",
"pres_size_to": null,
"pres_dosage_range": "0",
"pres_price_edited": "0",
"pres_is_template": "0",
"pres_json_flags": null,
"pres_erx_medtype": "0",
"pres_is_reconciled": "0",
"pres_rec_encounter": "0",
"pres_is_nepp": "0",
"pres_nepp_order_request_id": "",
"pres_nepp_moved_by": null,
"pres_nepp_moved_from": "rx",
"pres_nepp_payment_method": "0",
"pres_nepp_order_status": "",
"pres_completed": "0",
"pres_diag_code": null,
"prd_master_id": null,
"supervisor_id": "0",
```



204

```
    "users_fname": "ZH",
    "users_mname": "Admin",
    "users_lname": "Administrator",
    "users_title": "",
    "recieved_quantity": null,
    "pres_recieved_quantity": null
  }
]
}
}
```

No content

400

```
{
  "response": {
    "status": { "status":
"error", "code": 400,
"message": "Validation failed"
},
"data": [], "validations": {
"pid": "The pid field is required"
}
}
}
```

## 7. Issues

HTTP GET method is used for getting issue details.

### 7.1 Allergy

HTTP GET method is used for getting allergy issues details of a patient.



**GET** https://app3.blueehs.com/public/rx-api

### Parameters

Name	Description
authorization * String (header)	Access token shared by BlueEHR
facility * String (query)	Facility ID shared by BlueEHR
pid * Integer (query)	Patient ID
encounter Integer (query)	Encounter ID
status String (query)	Possible values are ' <b>all</b> ', ' <b>active</b> ' and ' <b>discontinue</b> '. Default value will be ' <b>all</b> '
createdDateFrom Date (query)	Prescription date from Date in YYYY-MM-DD format
createdDateTo Date (query)	Prescription date to Date in YYYY-MM-DD format
page Integer (query)	Page Number. Default value is 1.
per_page Integer (query)	Page total record limit. Default value is 10.



## Responses

HTTP Code	Response
-----------	----------



```
{
  "response": {
    "status": {
      "status": "success", "code":
      200,
      "message": "Showing matching
      records"
    },
    "data": [
      {
        "type": "allergy",
        "title": "penicillin",
        "begdate": "1980-05-10",
        "enddate": "",
        "returndate": "",
        "occurrence": "",
        "classification": "",
        "referredby": "",
        "extrainfo": "",
        "diagnosis": "RXNORM:7980;",
        "activity": "1",
        "comments": "",
        "pid": "1031",
        "user": "",
        "groupname": "",
        "outcome": "",
        "destination": "",
        "reinjury_id": "",
        "injury_part": "",
        "injury_type": "",
        "injury_grade": "",
        "external_allergyid": "",
        "erx_source": "0",
        "erx_uploaded": "",
        "modifydate": "03/17/2026 00:01:51",
        "id": "897",
        "ingredient": "",
        "dosage": "",
        "dform": "",
        "droute": "",
        "dinterval": "",
        "severity_al": "moderate",
        "drug_id": "",
        "reaction": [],
        "age": "",
        "onset_age": ""
      },
      {
        "type": "allergy",
        "title": "ampicillin",
        "begdate": "1980-05-10",
        "enddate": "",
        "returndate": "",
        "occurrence": "",
```



```
"classification": "",
"referredby": "",
"extrainfo": "",
"diagnosis": "RXNORM:733;",
"activity": "1",
"comments": "",
"pid": "1031",
"user": "",
"groupname": "",
"outcome": "",
"destination": "",
"reinjury_id": "",
"injury_part": "",
"injury_type": "", "injury_grade": "",
"external_allergyid": "",
"erx_source": "0",
"erx_uploaded": "",
"modifydate": "03/17/2026 00:01:52",
"id": "898",
"ingredient": "",
"dosage": "",
"dform": "",
"droute": "",
"dinterval": "",
"severity_al": "moderate",
"drug_id": "",
"reaction": [],
"age": "",
"onset_age": ""
    ]]
  }
}
```

204

No content

400

```
{
"response": {
  "status": { "status":
"error",
  "code": 400,
  "message": "Validation failed"
  },
"data": [], "validations":
{
  "pid": "The pid field is required"
  }
}
}
```



## 7.2 Problem List

HTTP GET method is used for getting medical problem issues details of a patient.



**GET** https://app3.blueehs.com/public/issues-api

### Parameters

Name	Description
authorization * <i>String</i> ( <i>header</i> )	Access token shared by BlueEHR
facility * <i>String</i> ( <i>query</i> )	Facility ID shared by BlueEHR
pid * <i>Integer</i> ( <i>query</i> )	Patient ID
type * <i>String</i> ( <i>query</i> )	medical_problem
createdDateFrom <i>Date</i> ( <i>query</i> )	Problem created start date Date in YYYY-MM-DD format
createdDateTo <i>Date</i> ( <i>query</i> )	Problem created end date Date in YYYY-MM-DD format

### Responses

HTTP Code	Response
-----------	----------



```
{
  "response": {
    "status": {
      "status": "success", "code":
      200,
      "message": "Showing matching records"
    },
    "data": [{
      "type": "medical_problem",
      "title": "Documented HyperTension problem",
      "begdate": "2011-10-05",
      "enddate": "2011-10-05",
      "returndate": "",
      "occurence": "",
      "classification": "",
      "referredby": "",
      "extrainfo": "",
      "diagnosis": "SNOMED-CT:59621000;",
      "activity": "1",
      "comments": "",
      "pid": "1031",
      "user": "",
      "groupname": "",
      "outcome": "11",
      "destination": "",
      "reinjury_id": "",
      "injury_part": "",
      "injury_type": "",
      "injury_grade": "",
      "external_allergyid": "",
      "erx_source": "0",
      "erx_uploaded": "",
      "modifydate": "03/17/2026 00:01:46",
      "id": "892",
      "ingredient": "",
      "dosage": "",
      "dform": "",
      "droute": "",
      "dinterval": "",
      "severity_al": "",
      "drug_id": "",
      "reaction": [],
      "age": "55",
      "onset_age": "55"},
      {
        "type": "medical_problem",
        "title": "Documented HypoThyroidism problem",
        "begdate": "2006-12-31",
        "enddate": "2006-12-31",
        "returndate": "",
        "occurence": "",
        "classification": "",
        "referredby": "",
        "extrainfo": "",
```



```
"diagnosis": "SNOMED-CT:83986005;",
"activity": "1",
"comments": "",
"pid": "1031",
"user": "",
"groupname": "",
"outcome": "11",
"destination": "",
"reinjury_id": "",
"injury_part": "",
"injury_type": "",
"injury_grade": "",
"external_allergyid": "",
"erx_source": "0",
"erx_uploaded": "",
"modifydate": "03/17/2026 00:01:47",
"id": "893",
"ingredient": "",
"dosage": "",
"dform": "",
"droute": "",
"dinterval": "",
"severity_al": "",
"drug_id": "",
"reaction": [],
"age": "55",
"onset_age": "55"
  }
}
```

204

No content

400

```
{
  "response": {
    "status": { "status":
      "error", "code": 400,
      "message": "Validation failed"
    },
    "data": [], "validations":
    {
      "pid": "The pid field is required"
    }
  }
}
```



## 8. Lab API

Lab API provide methods for create, read, update and delete operations of Provider, Procedure Order, Procedure Configuration data.

### 8.1 Lab Results Only

HTTP GET method is used for fetch lab results from BlueEHR. We have to pass action param value as results for getting particular patient results via GET parameters. The result is based on patient Id and patient id is mandatory. The response will not contain any order details.



**GET** https://app3.blueehs.com/public/lab-api

### Parameters

Name	Description
authorization * String (header)	Access token shared by BlueEHR
facility * String (query)	Facility ID shared by BlueEHR
action * String (query)	The values must be <b>resultonly</b>
pid * Integer (query)	Patient ID
encounterDateFrom Date (query)	Date of service start date Date in YYYY-MM-DD format
encounterDateTo Date (query)	Date of service end date Date in YYYY-MM-DD format

### Responses

HTTP Code	Response
-----------	----------



```
{
  "response": {
    "status": {
      "status": "success", "code":
      200,
      "message": "Showing matching records"
    },
    "data": {
      "records": [
        {
          "date_ordered": "2022-10-21",
          "date_ordered_str": 1666324800,
          "procedure_name": "Protein[Mass/Volume] in urine by
          test strip",
          "procedure_sub_order_id": "1",
          "order_id": 587,
          "color": "#CCE6FF",
          "date_report": "",
          "patient_id": "1031",
          "patient_name": ",Alice,Jones,Newman",
          "title_name": "",
          "first_name": "Alice",
          "last_name": "Newman",
          "middle_name": "Jones",
          "pat_name": "Newman, Alice Jones",
          "pat_gender": "Female",
          "pat_age": "55 years",
          "pat_dob": "05/01/1970",
          "date_collected": "2022-10-21 00:00:00",
          "date_collected_str": 1666324800,
          "pt_parent": "92255",
          "order_id1": 587,
          "patient_id1": "1031",
          "standard_code": "",
          "poc_grp_id": "0",
          "poc_grp_name": null,
          "poc_is_grp": "0",
          "poc_result_in_order": null,
          "grp_standard_code": null,
          "encounter_id": "1258",
          "lab_id": "4",
          "direct_result": "0",
          "order_status": "Completed",
          "order_status_raw": "Completed",
          "order_status_id": "completed",
          "result_id": "472",
          "orderUpdatedTime": "2022-10-21 00:00:00",
          "resultUpdatedTime": "2022-10-21 00:00:00",
          "reportUpdatedTime": "2022-10-21 00:00:00",
          "specimen_num": "",
          "report_status": "final",
          "report_title": "Final",
          "order_type_id": 92255,
          "procedure_order_id": 587,
```



```
"procedure_order_seq": 1,
"procedure_report_id": 618,
"review_status": "received",
"procedure_code": "24357-6",
"procedure_type": "ord",
"name": "Urinanalysis macro (dipstick) panel",
"pt2_units": "mg/dL",
"pt2_range": "Negative",
"procedure_result_id": 0,
"result_code": "5804-0",
"result_text": "Protein[Mass/Volume] in urine by test
strip",
"abnormal_title": "",
"units_title": "",
"result_status_title": "Final",
"abnormal": "N",
"result": "100",
"units": "mg/dL",
"facility_ids": null,
"facility": "",
"comments": "",
"range": "Negative",
"result_status": "final",
"result_facility": "",
"editor": 0,
"order_title": null,
"profile_title": null,
"code_suffix": null,
"patient_instructions": "",
"priority": "0",
"file_exist": 0,
"review_comments": null,
"reviewed_by": "",
"signed_by": "",
"search_val": null,
"widget": "nowidget",
"mirth_lab_id": 0,
"protocol": "DL",
"lab_name": "External Lab",
"lab_color_code": "",
"po_reviewed_date": "",
"po_signed_date": "",
"fax_send": "",
"fax_type": "",
"pt_description": "",
"resultRecieved": "",
"prs_is_sensitive_result": 0,
"reviewcomments": "",
"po_supervising_provider_id": null,
"po_location": null,
"po_executing_location": null,
"doc_links": "",
"ack_title": null,
"ack_messages": null,
```



```
"poeId": null,
"reviewed_date": "",
"reviewd_by": "",
"fileContentType": "",
"report_status_label": "Final",
"result_text_procedure": "Protein[Mass/Volume] in urine
by test strip",
"result_sort": "100",
"unit_sort": "mg/dL",
"range_sort": "Negative",
"result_status_sort": "Final",
"specimenStateProcedure": "0",
"specimenStateGroup": null,
"loincCodeProcedure": "0",
"loincCodeGroup": null,
"programIdProcedure": null,
"programIdGroup": null,
"procedureOrderDraft": "0",
"patientDob": "1970-05-01",
"poc_diagnoses": "",
"header_mode": "0",
"pt_is_sensitive_result": "0"
```

```
    }
  ],
  "prev": "",
  "next": ""
}
```

```
}
```

204

No content

400

```
{
  "response": {
    "status": { "status":
      "error", "code": 400,
      "message": "Validation failed"
    },
    "data": [], "validations":
    {
      "pid": "Patient ID field is required"
    }
  }
}
```



## 8.2 Lab Orders Only

HTTP GET method is used for fetch lab results from BlueEHR . We have to pass action param value as results for getting particular patient results via GET parameters. The result is based on patient Id and patient id is mandatory. The response only contain order details.



**GET** https://app3.blueehs.com/public/lab-api

### Parameters

Name	Description
authorization * <i>String</i> ( <i>header</i> )	Access token shared by BlueEHR
facility * <i>String</i> ( <i>query</i> )	Facility ID shared by BlueEHR
action * <i>String</i> ( <i>query</i> )	The values must be <b>ordersonly</b>
pid * <i>Integer</i> ( <i>query</i> )	Patient ID
encounterDateFrom <i>Date</i> ( <i>query</i> )	Date of service start date Date in YYYY-MM-DD format
encounterDateTo <i>Date</i> ( <i>query</i> )	Date of service end date Date in YYYY-MM-DD format

### Responses

HTTP Code	Response
-----------	----------



```
{
  "response": {
    "status": {
      "status": "success", "code":
      200,
      "message": "Showing matching records"
    },
    "data": {
      "records": [
        {
          "date_ordered": "2022-10-21",
          "date_ordered_str": 1666324800,
          "procedure_name":
          "Protein[Mass/Volume] in urine by
          test strip",
          "procedure_sub_order_id": "1",
          "order_id": 587,
          "color": "#CCE6FF",
          "date_report": "",
          "patient_id": "1031",
          "patient_name":
          ",Alice,Jones,Newman",
          "title_name": "",
          "first_name": "Alice",
          "last_name": "Newman",
          "middle_name": "Jones",
          "pat_name": "Newman, Alice Jones",
          "pat_gender": "Female",
          "pat_age": "55 years",
          "pat_dob": "05/01/1970",
          "date_collected": "2022-10-21
          00:00:00",
          "date_collected_str": 1666324800,
          "pt_parent": "92255",
          "order_id1": 587,
          "patient_id1": "1031",
          "standard_code": "",
          "poc_grp_id": "0",
          "poc_grp_name": null,
          "poc_is_grp": "0",
          "poc_result_in_order": null,
          "grp_standard_code": null,
          "encounter_id": "1258",
          "lab_id": "4",
          "direct_result": "0",
          "order_status": "Completed",
          "order_status_raw": "Completed",
          "order_status_id": "completed",
          "result_id": "472",
          "orderUpdatedTime": "2022-10-21
          00:00:00",
          "resultUpdatedTime": "2022-10-21
          00:00:00",
          "reportUpdatedTime": "2022-10-21
```



```
00:00:00",
"specimen_num": "",
"report_status": "final",
"report_title": "Final",
"order_type_id": 92255,
"procedure_order_id": 587,
"procedure_order_seq": 1,
"procedure_report_id": 618,
"review_status": "received",
"procedure_code": "24357-6",
"procedure_type": "ord",
"name": "Urinalysis macro
(dipstick) panel",
"pt2_units": "mg/dL",
"pt2_range": "Negative",
"procedure_result_id": 0,
"result_code": "5804-0",
"result_text": "Protein[Mass/Volume]
in urine by test strip",
"abnormal_title": "",
"units_title": "",
"result_status_title": "Final",
"abnormal": "N",
"result": "100",
"units": "mg/dL",
"facility_ids": null,
"facility": "",
"comments": "",
"range": "Negative",
"result_status": "final",
"result_facility": "",
"editor": 0,
"order_title": null,
"profile_title": null,
"code_suffix": null,
"patient_instructions": "",
"priority": "0",
"file_exist": 0,
"review_comments": null,
"reviewed_by": "",
"signed_by": "",
"search_val": null,
"widget": "nowidget",
"mirth_lab_id": 0,
"protocol": "DL",
"lab_name": "External Lab",
"lab_color_code": "",
"po_reviewed_date": "",
"po_signed_date": "",
"fax_send": "",
"fax_type": "",
"pt_description": "",
"resultRecieved": "",
"prs_is_sensitive_result": 0,
```



```
"reviewcomments": "",
"po_supervising_provider_id": null,
"po_location": null,
"po_executing_location": null,
"doc_links": "",
"ack_title": null,
"ack_messages": null,
"poeId": null,
"reviewed_date": "",
"reviewd_by": "",
"fileContentType": "",
"report_status_label": "Final",
"result_text_procedure":
  "Protein[Mass/Volume] in urine by
  test strip",
"result_sort": "100",
"unit_sort": "mg/dL",
"range_sort": "Negative",
"result_status_sort": "Final",
"specimenStateProcedure": "0",
"specimenStateGroup": null,
"loincCodeProcedure": "0",
"loincCodeGroup": null,
"programIdProcedure": null,
"programIdGroup": null,
"procedureOrderDraft": "0",
"patientDob": "1970-05-01",
"poc_diagnoses": "",
"header_mode": "0",
"pt_is_sensitive_result": "0"
},
],
"prev": "",
"next": ""
}
}
```



400

```
{
  "response": {
    "status": { "status":
      "error", "code": 400,
      "message": "Validation failed"
    },
    "data": [], "validations": {
      "pid": "Patient ID field is required"
    }
  }
}
```

## 9. Vitals

HTTP GET method is used for viewing vitals details.

**GET** <https://app3.blueehs.com/public/vitals-api>

### Parameters

Name	Description
authorization * <i>String</i> (header)	Access token shared by BlueEHR
facility * <i>String</i> (query)	Facility ID shared by BlueEHR
pid * <i>Integer</i> (query)	Patient ID
encounter <i>Integer</i> (query)	Encounter ID
encounterDateFrom <i>Date</i> (query)	Date of service start date Date in YYYY-MM-DD format



encounterDateTo <i>Date</i> (query)	Date of service end date Date in YYYY-MM-DD format
<b>Responses</b>	
HTTP Code	Response
200	<pre> {   "response": {     "status":       "status": "success", "code": 200,       "message": "Listing all vital records of the patient"     },     "data": {       "694": [         {           "fv_id": "341",           "fv_date": "2015-06-22 00:00:00",           "fv_pid": "1031",           "fv_encounter": "1258",           "fv_user": "",           "fv_groupname": "",           "fv_authorized": "0",           "fv_activity": "1",           "fv_bps": "145",           "fv_bpd": "88",           "fv_weight": "194.01",           "fv_height": "69.69",           "fv_temperature": "100.40",           "fv_temp_method": "",           "fv_pulse": "80",           "fv_respiration": "18",           "fv_note": "",           "fv_BMI": "", </pre>



```
"fv_BMI_status": "",
"fv_waist_circ": "0.00",
"fv_head_circ": "",
"fv_oxygen_saturation": "95.00",
"fv_external_id": "bXUxMTg2",
"fv_sleep_vitals": "0",
"fv_sleep_sa": "0.00",
"fv_sleep_neck_circ": "0.00",
"fv_sleep_orderid": "",
"fv_sleep_enteredby": "",
"fv_sleep_sign_off": "0",
"fv_sleep_modifiedby": "",
"fv_oxygen_saturation_text": "",
"fv_body_position": "",
"fv_body_part": "",
"fv_bpsr": "",
"fv_bpdr": "",
"fv_body_part_left": "",
"fv_body_part_right": "",
"fv_body_position_left": "",
"fv_body_position_right": "",
"fv_pp": "",
"fv_cw": "",
"fv_ecg": "",
"fv_spo2a": "",
"fv_spo2b": "",
"fv_glucometer": "",
"fv_ent_comments": "",
"fv_skin_comments": "",
"fv_sthethoscope_comments": "",
"fv_spirometer1": "",
"fv_spirometer2": "",
"fv_spirometer3": "",
"fv_spirometer4": "",
"fv_menstruation_date": "",
```



```
"fv_glasgow_scale": "",
"fv_body_fat": "0.00",
"fv_arm_circ": "0.00",
"fv_hip_circ": "0.00",
"fv_lmp": "",
"fv_menopause": "",
"fv_hysterectomy": "",
"fv_hysterectomy_desc": "",
"fv_fetal_movement": "",
"fv_fundal_height": "0.00",
"fv_fetal_weight": "0.00",
"fv_fetal_heart_rate": "",
"fv_fetal_presentation": "",
"fv_edema_face": "",
"fv_edema_hands": "",
"fv_edema_legs": "",
"fv_gestation_age": "",
"fv_edd": "",
"fv_BSA": "0.00",
"fv_waist_hip_index": "0.00",
"fv_father_stature": "0.00",
"fv_mother_stature": "0.00",
"fv_bldc_oximetry": "",
"fv_oxygen_concentration": "",
"fv_adjusted_edd": "",
"fv_edd_changed": "",
"fv_menopause_date": "",
"fv_menopause_description": "",
"fv_hysterectomy_date": "",
"fv_hysterectomy_description": "",
"fv_heart_rate": "",
"fv_blood_glucose": "0.00",
"fv_ekg_json": "",
"fv_external_pid": "",
"fv_measurement_id": "",
```



```
"fv_doc_id": "0",
"fv_updated_on": "2026-03-17 07:02:07",
"fv_bmi_percentile": "",
"fv_weight_length_percentile": "",
"fv_head_occipital_frontal_circum_percentile":
"",
"fv_ra_pressure": "",
"fv_cardiac_output": "",
"fv_ci": "",
"fv_pas_pressure": "",
"fv_pulmonary_pressure": "",
"fv_map": "",
"fv_cco": "",
"fv_svri": "",
"fv_cvp": "",
"fv_cpp": "",
"fv_icp": "",
"fv_bis_index": "",
"fv_peep": "",
"fv_fio2": "",
"fv_tidal_volume": "",
"fv_inspiratory_pressure": "",
"fv_pcv": "",
"fv_ie_time": "",
"fv_arterial_o2_saturation": "",
"fv_mvo2_saturation": "",
"fv_cvo2_saturation": "",
"fv_abp": "",
"fv_rv_pressure": "",
"fv_mpap": "",
"fv_paop": "",
"fv_lap": "",
"fv_stroke_volume": "",
"fv_svi": "",
"fv_svv": "",
"fv_svr": "",
```



```
"fv_pvr": "",
"fv_pvri": "",
"fv_lv_swi": "",
"fv_rv_swi": "",
"fv_central_venous_saturation": "",
"fv_gvi_ed": "",
"fv_itbvi": "",
"fv_icf": "",
"fv_gef": "",
"fv_ilvc": "",
"fv_cpi": "",
"fv_ipw": "",
"fv_cto2_saturation": "",
"fv_care_setting": "",
"fv_edv": "",
"fv_visceral_fat": "0.00",
"fv_muscle_mass": "0.00"
"fv_glasgow_scale": null, "fv_body_fat":
null, "fv_arm_circ": null, "fv_hip_circ":
null, "fv_lmp": null, "fv_menopause": null,
"fv_hysterectomy": null,
"fv_hysterectomy_desc": null,
"fv_fetal_movement": null,
"fv_fundal_height": "0.00",
"fv_fetal_weight": "0.00",
"fv_fetal_heart_rate": null,
"fv_fetal_presentation": null,
"fv_edema_face": null, "fv_edema_hands":
null, "fv_edema_legs": null,
"fv_gestation_age": null, "fv_edd": null,
"fv_BSA": null, "fv_waist_hip_index": null,
"fv_father_stature": null,
"fv_mother_stature": null,
"fv_bldc_oximetry": "95.00",
"fv_oxygen_concentration": "36.00",
"fv_encounter_date": "2015-06-22
00:00:00"
}
]
}
```



	<pre> } } </pre>
204	No content
400	<pre> {   "response": {     "status": { "status": "error", "code": 400,     "message": "Validation failed"   },   "data": [], "validations": {     "pid": "The pid field is required"   } } } } </pre>

## 10. Procedures

HTTP GET method is used for searching billing data for particular patient.

**GET** <https://app3.blueehs.com/public/billing-api>

### Parameters

Name	Description
authorization * <i>String</i> (header)	Access token shared by BlueEHR
facility * <i>String</i> (query)	Facility ID shared by BlueEHR
pid * <i>Integer</i> (query)	Patient ID



encounter <i>Integer</i> (query)	Encounter ID. This field required when encounterDateFrom and encounterDateTo is empty
encounterDateFrom <i>Date</i> (query)	Date of service start date Date in YYYY-MM-DD format
encounterDateTo <i>Date</i> (query)	Date of service end date Date in YYYY-MM-DD format

## Responses

Code	Response
200	<pre> {   "response": {     "status": {       "status": "success", "code":         200,       "message": "Showing all datas"     },     "data": [{       "bill_id": "11516",       "date": "2026-03-17 00:02:21",       "bill_code_type": "SNOMED-CT",       "bill_code": "11429006",       "bill_pid": "1031",       "bill_provider_id": "6",       "bill_user": "3",       "bill_user_updated": "3",       "bill_groupname": null,       "bill_authorized": null,       "bill_encounter": "1259",       "bill_code_text": "consultation",       "bill_billed": null,       "bill_payer_id": null,       "bill_process": "0",       "bill_date": null,       "bill_process_date": null,       "bill_process_file": null,       "bill_modifier": "",       "bill_units": "1.000",       "bill_fee": null,       "bill_justify": null,       "bill_target": null,       "bill_x12_partner_id": null,       "bill_ndc_info": null,       "bill_is_capitation": "0",       "bill_auth_id": null,       "bill_formid": null, </pre>



```
"bill_for_advanced_cpt": "0",
"bill_notecodes": "",
"bill_pricelevel": null,
"bill_referer": null,
"bill_icd9_code": null,
"bill_icd10_code": null,
"bill_snomed_code": null,
"bill_payment_total": "0.00",
"bill_adj_total": "0.00",
"bill_takeback_total": "0.00",
"bill_created": "2026-03-17 00:02:21",
"bill_updated": "2026-03-17 00:02:21",
"bill_location_id": "1000",
"bill_external_id": null,
"bill_ins_total": "0.00",
"bill_patientpayment": "0.00",
"bill_copay": "0.00",
"bill_disc": "0.00",
"bill_disc_amount": "0.00",
"bill_disc_reason": null,
"bill_tax": "0.00",
"bill_identifier": null,
"bill_ct": null,
"bill_price": "0.00",
"bill_registration_bit": "0",
"bill_renewal_bit": "0",
"bill_net": "0.00",
"bill_patient_share": "0.00",
"bill_primary_diag": "0",
"bill_start_time": null,
"bill_admitting_diag": "0",
"bill_net_sec": "0.00",
"bill_auth_id_sec": null,
"bill_hl7_status": "0",
"bill_tertiary_diag": "0",
"bill_expected": null,
"bill_woff_total": "0.00",
"bill_ep_modified_flag": "0",
"bill_revenue_code": null,
"bill_procedure_primary": null,
"bill_procedure_secondary": null,
"bill_procedure_tertiary": null,
"bill_sfs_status": null,
"bill_service_transport_code": "0",
"bill_net_ter": "0.00",
"bill_code_order": null,
"bill_quaternary_diag": "0",
"bill_custom_code_type": "0",
"bill_admit_diag": "0",
"bill_discharge_diag": "0",
"bill_order_type": "0",
"bill_is_template": "0",
"bill_order_template_id": "0",
"bill_order_master_id": "0",
```



	<pre> "bill_lab_canceled": "0", "bill_deductible": "0.00", "claim_status_id": "6", "claim_status_description": "Partially Coded(Draft)"     ]]   } } </pre>
204	No context
400	<pre> {   "response": {     "status": { "status": "error", "code": 400, "message": "Validation failed"   },   "data": [], "validations": {     "pid": "The pid field is required"   } } } </pre>

## 11. Complete Data Pull (CCDA)

This API provides methods to get the CCDA of a patient. HTTP GET method is used to fetch details

<b>GET</b> <a href="https://app3.blueehs.com/public/ccd/v2">https://app3.blueehs.com/public/ccd/v2</a>	
<b>Parameters</b>	
Name	Description
authorization * String (header)	Access token shared by BlueEHR
facility * String (query)	Facility ID shared by BlueEHR
pid * Integer (query)	Patient ID
type String	Response CCDA data format.







	}
204	No content
400	<pre>{   "response": {     "status": { "status": "error",       "code": 400,       "message": "Validation failed"     },     "data": [], "validations": {       "pid": "The pid field is required"     }   } }</pre>

## 12. Immunization

HTTP GET method is used to fetch patient immunization details

<b>GET</b> <a href="https://app3.blueehs.com/public/immunization-api">https://app3.blueehs.com/public/immunization-api</a>	
<b>Parameters</b>	
Module	Description
authorization * <i>String</i> (header)	Access token shared by BlueEHR
facility * <i>String</i> (query)	Facility ID shared by BlueEHR
pid * <i>Integer</i> (query)	Patient ID
encounter <i>Integer</i> (query)	Encounter ID.
createdDateFrom <i>Date</i> (query)	Immunization added Start date Date in YYYY-MM-DD format



createdDateTo Date (query)	Immunization added End date Date in YYYY-MM-DD format
<b>Responses</b>	
HTTP Code	Response
200	<pre> {   "response": {     "status": {       "status": "success" "code":       200,       "message": "Showing matching records"     },     "data": [       {         "im_id": "294",         "code_text_short": "influenza, intradermal, quadrivalent, preservative free",         "code": "166",         "im_encounter": "1258",         "im_administered_date": "2015-06-22 00:00:00",         "im_manufacturer": "Immuno Inc.",         "im_lot_number": "",         "im_reaction": "Immunization was not given - Patient rejected immunization",         "administered_by": "Other",         "im_education_date": "",         "im_note": "",         "im_activity": "1",         "im_administered_amount": "",         "im_administration_site": "",         "im_expiration_date": "",         "im_ndc_number": "",         "im_brand_name": "",         "im_medication_series_number": "",         "im_completion_status": "cancelled",         "im_refusal_reason": "",         "im_ordering_provider": "",         "im_information_source": "",         "im_create_date": "03/17/2026 00:02:07",         "im_update_date": "03/17/2026 00:02:07",         "administered_unit": "",         "administered_route": ""       }     ]   } } </pre>
204	No content



400	<pre> {   "response": {     "status": { "status": "error", "code": 400, "message": "Validation failed" }, "data": [], "validations": {   "pid": "The pid field is required" } } } </pre>
-----	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### 13. Implanted Devices

HTTP GET method used to fetch patient's implanted device details.

<b>GET</b> <a href="https://app3.blueehs.com/public/immunization-api">https://app3.blueehs.com/public/immunization-api</a>	
<b>Parameters</b>	
Module	Description
authorization * String (header)	Access token shared by BlueEHR
facility * String (query)	Facility ID shared by BlueEHR
pid * Integer (query)	Patient ID
udi String (query)	Device UDID in urlencoded format
createdDateFrom Date (query)	Device added start date Date in YYYY-MM-DD format
createdDateTo Date (query)	Device added end date Date in YYYY-MM-DD format
Filter String	There are two optional values



(query)	<ul style="list-style-type: none"> <li>• created_date</li> <li>• implanted_date</li> </ul> <p>Default value is created_date</p>
---------	---------------------------------------------------------------------------------------------------------------------------------

## Responses

HTTP Code	Response
200	<pre>{   "response": {     "status": {       "status": "success", "code": 200,       "message": "Showing all results"     },     "data": {       "00643169007222": {         "basic_data": {           "pid": "1031",           "master_id": "51",           "udi": "(01)00643169007222(17)160128(21)BLC200461H",           "device_id": "00643169007222",           "issuing_agency": "GS1",           "serial_number": "BLC200461H",           "lot_number": "",           "comments": null,           "status": "2",           "status_reason": null,           "implanted_area": "",           "manufacturing_date": "",           "expiration_date": "",           "implant_date": "00/00/0000 00:00:00",           "created_date": "03/17/2026",           "removed_date": ""         },         "device_details": {           "brand_name": "Viva™ Quad XT CRT-D",           "version_model_number": "DTBA1QQ", </pre>



```
"catalog_number": null,
"company_name": "MEDTRONIC, INC.",
"device_count": 1,
"device_description": "CRT-D DTBA1QQ VIVA QUAD XT US
IS4/DF4",
"mri_safety_status": "Labeling does not contain MRI
Safety Information",
"labeled_ontains_nrl": false,
"hctp_code": false,
"snomed_code": "704707009",
"phone": "+1(800)633-8766",
"email": "Corporate.UDI@medtronic.com",
"gmdn_pt_name": "Cardiac resynchronization therapy
implantable defibrillator",
"gmdn_pt_definition": "An implantable, battery-powered
device consisting of a hermetically-sealed pacing pulse
generator and an integrated defibrillation pulse generator
with leads in the right ventricle, in a coronary vein over the
left ventricle, and often in the right atrium (triple
chamber). In addition to conventional pacing and
defibrillation functions, the device is intended to provide
cardiac resynchronization therapy (CRT) through biventricular
electrical stimulation to synchronize right and left
ventricular contractions for more effective blood pumping to
treat symptoms of heart failure (e.g., shortness of breath,
easy fatigue) and serious heart-rhythm problems [CRT
defibrillator (CRT-D)].",
"product_code": "NIK",
"product_code_name": "Defibrillator, automatic
implantable cardioverter, with cardiac resynchronization (CRT-
D)",
"storage_handling_type": null,
"storage_handling_temperature": "55",
"storage_handling_temp_high_unit": "Degrees Celsius",
"storage_handling_temp_low_unit": "Degrees Celsius",
"storage_handling_special_text": null,
"facility_addr_line1": null,
"facility_addr_line2": null
}
}
}
}
```



	}
204	No content
400	<pre> {   "response": {     "status": {       "status": "error", "code": 400,       "message": "Validation failed"     },     "data": [], "validations": {       "pid": "Patient ID field is required"     }   } } </pre>
	}

## 14. Encounter Notes

This API provides methods to get the Encounter Summary of a Patient Encounter either in PDF or in HTML format. This would require the IDs of each tab/forms as parameters. In BlueEHS the tabs/forms to be shown in each encounter are selected based on the display rules in combination form.

### 14.1 Assessment

HTTP GET method is used to receive patient encounter assessment details from BlueEHR.

<b>GET</b> <a href="https://app3.blueehs.com/public/immunization-api">https://app3.blueehs.com/public/immunization-api</a>	
<b>Parameters</b>	
Module	Description
authorization * <i>String</i> (header)	Access token shared by BlueEHR
facility * <i>String</i> (query)	Facility ID shared by BlueEHR
pid * <i>Integer</i>	Patient ID



(query)	
encounter Integer (query)	Encounter ID. This field required when <b>encounterDateFrom</b> and <b>encounterDateTo</b> is empty
encounterDateFrom Date (query)	Date of service start date Date in YYYY-MM-DD format
encounterDateTo Date (query)	Date of service end date Date in YYYY-MM-DD format
output * String (query)	Response out format <ul style="list-style-type: none"> <li>• html</li> <li>• pdf</li> </ul> Both output will be in base64encouded format

## Responses

HTTP Code	Response
200	<pre>{   "response": {     "status": {       "status": "Success", "code": 200,       "message": "Assessment of Patient 818"     },     "data": {       "694":         "DQo8aHRtbCA+DQogIDxoZWFKP_g0KICA8dG10bGU+DQogAgICAgICAgICAgICAgICA8Y2VudGVyPg0KI_CAgICAgICAgICAgICAgICAmbmJzcdsgICAgICAgICAgICAgIC_AgICA8L2NlbnRlcj4NCiAgICAgICAgICAgICAgICA8L2Rpdj4NCiAgIC_AgICAgICAgICAgICA8ZGl2IGNsYXNzPSJlbmMtcGFnZS1icmVhay1mb_290ZXI...."     }   } }</pre>
204	No content
400	{"response": {



	<pre> "status": { "status": "error", "code": 400, "message": "Validation failed" }, "data": [], "validations": { "pid": "Patient ID field is required" } } } </pre>
	<pre> {   "response": {     "status": { "status": "error", "code": 400, "message": "Validation failed" }, "data": [], "validations": { "encounter": " Encounter field is required" } } } </pre>

## 14.2 Goals

HTTP GET method is used to receive patient encounter goals details from BlueEHR.

<b>GET</b> <a href="https://app3.blueehs.com/public/encounterforms-summary-api/goals_selection">https://app3.blueehs.com/public/encounterforms-summary-api/goals_selection</a>	
<b>Parameters</b>	
Module	Description
authorization * String (header)	Access token shared by BlueEHR
facility * String (query)	Facility ID shared by BlueEHR
pid * Integer (query)	Patient ID





	<pre>       "data": [], "validations": {         "pid": "Patient ID field is required"       }     }   } } </pre>
	<pre> {   "response": {     "status": { "status": "error", "code": 400,     "message": "Validation failed"   },   "data": [], "validations": {     "encounter": " Encounter field is required"   } } } } </pre>

### 14.3 Health Concerns

HTTP GET method is used to receive patient encounter health concerns details from BlueEHR.

<b>GET</b> <a href="https://app3.blueehs.com/public/encounterforms-summary-api/health_concerns">https://app3.blueehs.com/public/encounterforms-summary-api/health_concerns</a>	
<b>Parameters</b>	
Module	Description
authorization * String (header)	Access token shared by BlueEHR
facility * String (query)	Facility ID shared by BlueEHR
pid * Integer (query)	Patient ID
encounter Integer (query)	Encounter ID. This field required when encounterDateFrom and encounterDateTo is empty





```

"encounter": " Encounter field is required"
}
}
}

```

## 14.4 Treatment Plan

HTTP GET method is used to receive patient encounter care plans details from BlueEHR.

**GET** [https://app3.blueehs.com/public/encounterforms-summary-api/care\\_plan](https://app3.blueehs.com/public/encounterforms-summary-api/care_plan)

### Parameters

Name	Description
authorization * <i>String</i> (header)	Access token shared by BlueEHR
facility * <i>String</i> (query)	Facility ID shared by BlueEHR
pid * <i>Integer</i> (query)	Patient ID
encounter <i>Integer</i> (query)	Encounter ID. This field required when encounterDateFrom and encounterDateTo is empty
encounterDateFrom <i>Date</i> (query)	Date of service start date Date in YYYY-MM-DD format
encounterDateTo <i>Date</i> (query)	Date of service end date Date in YYYY-MM-DD format
output * <i>String</i> (query)	Response out format <ul style="list-style-type: none"> <li>• html</li> <li>• pdf</li> </ul> Both outputs will be in base64encoded format

### Responses



