

API Endpoints Documentation

Base URL: <https://backend-apis-production-5e22.up.railway.app>

Authentication Endpoints

1. POST [/api/v1/resident/signup](#)

Description: Create a new user account

Request Body:

```
{
  "email": "string",
  "password": "string",
  "firstname": "string",
  "lastname": "string"
}
```

Response:

```
{
  "user_email": "user@example.com",
  "token": "jwt-token-here"
}
```

Status Codes:

- 200 - Success
 - 400 - Bad Request (validation errors, email exists)
 - 500 - Internal Server Error
-

2. POST [/auth/login](#)

Description: Authenticate user and get JWT token

Request Body:

```
{
  "email": "string",
  "password": "string"
}
```

Response: JWT token (to be used as Bearer token)

Status Codes:

- 200 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

Profile Endpoints

3. GET `/api/v1/resident/profile_completion`

Description: Get user's profile completion percentage

Authentication: Required (Bearer Token)

Response:

```
{
  "completion": 80
}
```

Status Codes:

- 200 - Success
 - 401 - Unauthorized
 - 404 - User not found
 - 500 - Internal Server Error
-

4. POST `/api/v1/resident/profile/personal_details`

Description: Update personal profile information

Authentication: Required (Bearer Token)

Request Body:

```
{
  "firstname": "Emeka",
  "lastname": "Azu",
  "dob": "1997-04-15",
  "gender": "Male"
}
```

Response: 204 No Content

Status Codes:

- 204 - Success
 - 400 - Bad Request (validation errors)
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

5. POST `/api/v1/resident/profile/basic_health_information`

Description: Update basic health information

Authentication: Required (Bearer Token)

Request Body:

```
{
  "blood_type": "O+",
  "genotype": "AA",
  "known_allergies": "Pollen",
  "pre_existing_conditions": "Asthma"
}
```

Response: 204 No Content

Status Codes:

- 204 - Success
 - 400 - Bad Request
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

6. POST `/api/v1/resident/profile/emergency_contact`

Description: Update emergency contact information

Authentication: Required (Bearer Token)

Request Body:

```
{  
  "name": "John Doe",  
  "phone_number": "+2348012345678",  
  "relationship": "Brother"  
}
```

Response: 204 No Content

Status Codes:

- 204 - Success
 - 400 - Bad Request
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

7. POST `/api/v1/resident/profile/location`

Description: Update location information

Authentication: Required (Bearer Token)

Request Body:

```
{  
  "country": "Nigeria",  
  "state": "Abuja"  
}
```

```
}
```

Response: 204 No Content

Status Codes:

- 204 - Success
 - 400 - Bad Request
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

Medical Records Endpoints

8. GET `/api/v1/resident/records?page={page}`

Description: Get paginated list of all medical records

Authentication: Required (Bearer Token)

Query Parameters:

- `page` (integer) - Page number

Response:

```
[
  {
    "record_id": "abc123",
    "record_type": "Lab Result",
    "record_data": "{...}",
    "patientName": "John Doe",
    "hash_local": "a1b2c3d4",
    "blockchainTransactionID": "tx12345",
    "verified": true,
    "uploaded_by": "Sunshine Clinic",
    "created_at": "2025-12-01"
  }
]
```

Status Codes:

- 200 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

9. GET `/api/v1/resident/verified_records?page={page}`

Description: Get paginated list of verified medical records only

Authentication: Required (Bearer Token)

Query Parameters:

- `page` (integer) - Page number

Response: Same as records endpoint

Status Codes:

- 200 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

10. GET `/api/v1/resident/record?record_id={record_id}`

Description: Get single medical record by ID

Authentication: Required (Bearer Token)

Query Parameters:

- `record_id` (string) - Record ID

Response:

```
{
  "record_id": "abc123",
  "record_type": "Lab Result",
  "record_data": "{...}",
  "patientName": "John Doe",
  "hash_local": "a1b2c3d4",
  "blockchainTransactionID": "tx12345",
}
```

```
"verified": true,  
"uploaded_by": "Sunshine Clinic",  
"created_at": "2025-12-01"  
}
```

Status Codes:

- 200 - Success
 - 400 - Bad Request (missing record_id)
 - 404 - Not Found
 - 500 - Internal Server Error
-

11. GET

/api/v1/resident/records/filtered?page={page}&category={category}

Description: Get filtered medical records by category

Authentication: Required (Bearer Token)

Query Parameters:

- page (integer) - Page number
- category (string) - Record category

Response: Array of records (same structure as records endpoint)

Status Codes:

- 200 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

12. GET

/api/v1/resident/verified_records/filtered?page={page}&category={category}

Description: Get filtered verified records by category

Authentication: Required (Bearer Token)

Query Parameters:

- `page` (integer) - Page number
- `category` (string) - Record category

Response: Array of verified records

Status Codes:

- `200` - Success
 - `401` - Unauthorized
 - `500` - Internal Server Error
-

13. GET

`/api/v1/resident/records/search?search_keyword={search_keyword}&page={page}`

Description: Search medical records by keyword

Authentication: Required (Bearer Token)

Query Parameters:

- `search_keyword` (string) - Search term
- `page` (integer) - Page number

Response: Array of matching records

Status Codes:

- `200` - Success
 - `401` - Unauthorized
 - `500` - Internal Server Error
-



Permissions Endpoints

14. GET `/api/v1/resident/permissions?page={page}`

Description: Get paginated list of clinic permissions

Authentication: Required (Bearer Token)

Query Parameters:

- **page** (integer) - Page number

Response:

```
[
  {
    "permissions_id": "perm123",
    "clinic_name": "City Health Clinic",
    "clinic_id": "clinic001",
    "access_type": "READ_ONLY",
    "granted": true,
    "revoked": false,
    "granted_at": "2025-12-01T14:30:00",
    "revoked_at": null
  }
]
```

Access Types:

- **READ**
- **WRITE**
- **READANDWRITE**

Status Codes:

- **200** - Success
- **401** - Unauthorized
- **500** - Internal Server Error

15. POST

/api/v1/resident/permissions/grant?clinicId={clinicId}&permissionAccess={permissionAccess}

Description: Grant permission to a clinic

Authentication: Required (Bearer Token)

Query Parameters:

- `clinicId` (string) - Clinic ID
- `permissionAccess` (string) - Permission type (READ, WRITE, READANDWRITE)

Response: 204 No Content

Status Codes:

- 204 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

16. POST

`/api/v1/resident/permissions/revoke?clinicId={clinicId}`

Description: Revoke permission from a clinic

Authentication: Required (Bearer Token)

Query Parameters:

- `clinicId` (string) - Clinic ID

Response: 204 No Content

Status Codes:

- 204 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-



Notifications Endpoints

17. GET `/api/v1/resident/notifications?page={page}`

Description: Get paginated list of notifications

Authentication: Required (Bearer Token)

Query Parameters:

- **page** (integer) - Page number

Response:

```
[
  {
    "notification_id": "notif123",
    "title": "Record Verified",
    "message": "Your medical record has been verified by City Health Clinic",
    "notification_level": "INFO",
    "notification_type": "RECORD_VERIFICATION",
    "sent_at": "2025-12-04T08:30:00"
  }
]
```

Status Codes:

- **200** - Success
 - **401** - Unauthorized
 - **500** - Internal Server Error
-

18. POST

/api/v1/resident/notifications/read?notificationId={notificationId}

Description: Mark notification as read

Authentication: Required (Bearer Token)

Query Parameters:

- **notificationId** (string) - Notification ID

Response: **204 No Content**

Status Codes:

- **204** - Success

- 401 - Unauthorized
 - 500 - Internal Server Error
-



Dashboard/Statistics Endpoints

19. POST `/api/v1/resident/dashboard/records/verified_count`

Description: Get count of verified records

Authentication: Required (Bearer Token)

Response: Integer (e.g., 42)

Status Codes:

- 200 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

20. GET `/api/v1/resident/clinics_visited`

Description: Get count of clinics visited/shared records with

Authentication: Required (Bearer Token)

Response: Integer (e.g., 12)

Status Codes:

- 200 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-



Account Management Endpoints

21. POST `/api/v1/resident/delete`

Description: Permanently delete user account

Authentication: Required (Bearer Token)

Response: 204 No Content

Status Codes:

- 204 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

Audit Endpoints

22. GET /api/v1/resident/audit?page={page}

Description: Get audit logs for user actions

Authentication: Required (Bearer Token)

Query Parameters:

- page (integer) - Page number

Response:

```
{
  "actor_type": "",
  "actor_reference": "",
  "action_performed": "",
  "details": ""
}
```

Status Codes:

- 200 - Success
 - 401 - Unauthorized
 - 500 - Internal Server Error
-

Summary

Total Endpoints: 22

Categories:

- Authentication: 2
- Profile Management: 5
- Medical Records: 6
- Permissions: 3
- Notifications: 2
- Dashboard/Statistics: 2
- Account Management: 1
- Audit: 1