1 Introduction

This document describes the Data Access API of Solid Practice EMR. The API can be used to obtain CCD data of patient with optional time range filter.

The API utilizes token authentication.

Users need to obtain the API token in order to proceed. You can get this token via EMR Setup section. Please contact your Account Manager for support if needed.

2 Required software components and configurations

The client side needs no special configuration: any HTTP-enabled system can connect to the API via standard HTTP protocol.

3 API usage

3.1 Endpoint URL

- https://<your-emr-baseUrl>/CCD/ExportPatientData?key={apiToken}&patientId={patientId}&<list-of-optional-parameters>

The baseURL is your EMR installation location.

3.2 Parameter specification

- Items marked "x" are required

	Params	Required	Description	Example
1	key	x	Access key provide to client for requesting patient data	obtain this token via Setup section
2	patientId	x	EMR Patient's ID	patient ID, e.g. 38290
3	from		Encounter date from	2000-01-01
4	to		Encounter date to	2020-12-31
5	all		If true then all patient data will be exported If false (default): then only specific sections marked as "true" below are exported	true/false
6	allergiesAndIntolerances		Will be exported if true	true/false
7	medications		Will be exported if true	true/false
8	problem		Will be exported if true	true/false
9	procedures		Will be exported if true	true/false
10	immunizations		Will be exported if true	true/false

	Params	Required	Description	Example
11	vitalSigns		Will be exported if true	true/false
12	socialHistory		Will be exported if true	true/false
13	results		Will be exported if true	true/false
14	medicalEquipment		Will be exported if true	true/false
15	assessment		Will be exported if true	true/false
16	planOfTreatment		Will be exported if true	true/false
17	reasonForReferral		Will be exported if true	true/false
18	goals		Will be exported if true	true/false
19	healthConcerns		Will be exported if true	true/false
20	functionalStatus		Will be exported if true	true/false
21	cognitiveStatus		Will be exported if true	true/false

3.3 Response specification

The API returns JSON data in this format:

- success: true/false
- data: if success, this variable will contain CCD data of the patient in XML
- message: information that supports the response such as error message or success message

3.3.1 Example of success case

- with valid data return with CCD as XML content

```
{
    "data":
        "<?xml version=\"1.0\"?>
        <ClinicalDocument xmlns:xsd=\"http://www.w3.org/2001
/XMLSchema\" ......">
            .......
        </ClinicalDocument>",
    "success": true,
    "message":"XML data of patient xxxxxx."
}
```

- The client app can process this CCD response directly.

3.3.2 Example of error case

- Without access key

```
{
    "data": null,
    "success": false,
    "message":" Please provide access key."
}
```

- With invalid access key

```
{
    "data": null,
    "success": false,
    "message": "Your access key is invalid. Please try another or
contact support."
}
```

- Patient not found

```
{
    "data": null,
    "success": false,
    "message": "Patient not found."
}
```