



Canada Health Infoway

Projectathon Tooling

PS-CA FHIR Renderer

What is the PS-CA FHIR Renderer?



- ❖ **PS-CA FHIR Renderer:** A web application deployed in the AWS Cloud. It reads a Patient Summary in structured FHIR format and renders it in a human readable form. This tool can be used by vendors to verify that a Patient Summary includes all the expected clinical data.

Training Objectives



This guide aims to meet the following objectives:

- ✓ Provide an understanding of the PS-CA FHIR Renderer, **when** to use it, **how** to use it, and **where** to access it

When to use the PS-CA FHIR Renderer



PS-CA FHIR Renderer can be used by vendors:

- ❖ In the process of developing software for generating or consuming Patient Summaries
- ❖ While preparing Patient Summary solutions for the Projectathon, and/or during the Projectathon

Tool Demonstration – PS-CA FHIR Renderer UI



- 1 Paste the sample Patient Summary data in the text area of the page directly or load a sample from the “Load from a file” button
- 2 Click “View PS-CA” button to render the Patient Summary you entered
- 3 You will be provided with the rendering of the Patient Summary on the right side of the screen

The screenshot shows the 'PS-CA FHIR Renderer' interface. On the left, under 'Patient Summary Data', there is a text area for pasting JSON or XML. A red box highlights the 'Load from a file' button (1) and the 'View PS-CA' button (2). Below the text area, a red box highlights a sample FHIR JSON document (3). The right side shows the 'Patient Summary View' with a navigation bar (Composition, Patient, Practitioner, Organization, Condition, Medication) and a 'View PS-CA' button (3). The rendered view includes 'General Information' (Title, Date, Status, Event Period, Event Details) and 'Active Problems' (Title, Condition, Status, Severity).

```
1 {
2   "resourceType": "Bundle",
3   "id": "Bundle1Example",
4   "meta": {
5     "profile": [
6       "http://fhir.infoway-infoc
7     ]
8   },
9   "identifier": {
10    "system": "urn:oid:2.16.724.4
11    "value": "269efaf3-2dbf-44fe-
12  },
13  "type": "document",
14  "timestamp": "2022-12-11T14:30:
15  "entry": [
16    {
17      "fullUrl": "Composition/5e:
18      "resource": {
19        "resourceType": "Composit
20        "id": "Composition1Examp:
21        "meta": {
22          "profile": [
23            "http://fhir.infoway-
24          ]
25        },
26        "identifier": {
27          "system": "http://exam
28          "value": "3324672"
```

Tool Demonstration – PS-CA Summary View



4 After successfully rendering the PS-CA sample data, the renderer provides the “Composition” view by default

5 Navigate the different views, which provide individual resource summaries, by selecting the tabs you want to see (i.e., Patient)

The screenshot shows the 'PS-CA FHIR Renderer' interface. On the left, there is a text area for pasting JSON or XML data, with a 'View PS-CA' button. The main area is divided into three panes. The top pane shows a navigation bar with tabs: 'Composition' (selected), 'Patient', 'Practitioner', 'Organization', 'Condition', and 'Medication'. The middle pane shows 'General Information' for the selected resource, including title, date, status, event period, and event details. The bottom pane shows 'Active Problems' with a table listing conditions like 'Heart valve disorder'. A red circle with the number '4' highlights the 'Composition' tab, and another red circle with the number '5' highlights the 'Patient' tab.

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PS-CA FHIR Renderer

Patient Summary Data
Paste the Patient Summary JSON or XML here, or
[Load from a file](#)
Please do not include any PI/PHI into the documents. **View PS-CA**

```
1 {
2   "resourceType": "Bundle",
3   "id": "Bundle1Example",
4   "meta": {
5     "profile": [
6       "http://fhir.infoway-inforoute.ca/StructureDefinition/ps-ca-bundle"
7     ]
8   },
9   "identifier": {
10    "system": "urn:oid:2.16.724.4.24302.1000.1.1",
11    "value": "269efaf3-2dbf-44fe-8000-000000000000"
12  },
13  "type": "document",
14  "timestamp": "2022-12-11T14:30:00-05:00",
15  "entry": [
16    {
17      "fullUrl": "Composition/5e2d1c1e-1c1e-1c1e-1c1e-1c1e-1c1e-1c1e-1c1e-1c1e",
18      "resource": {
19        "resourceType": "Composition",
20        "id": "Composition1Example",
21        "meta": {
22          "profile": [
23            "http://fhir.infoway-inforoute.ca/StructureDefinition/ps-ca-composition"
24          ]
25        },
26        "identifier": {
27          "system": "http://example.org/identifiers",
28          "value": "12345678"
29        }
30      }
31    }
32  ]
33 }
```

Patient Summary View

Composition Patient Practitioner Organization Condition Medication

Allergies

General Information

Title: Patient Summary as of January 1, 2021
Date: 2021-09-11T16:30:00+01:00
Status: final
Event Period: End: 2020-12-11T16:30:00+01:00
Event Details:

Code	Display
PCPR	

Patient: Duck, Donald
Custodian: XYZ Organization

Active Problems

Title: Active Problems

Condition	Status
Heart valve disorder	active

Patient Summary View

Patient

Name: Duck, Donald
Gender: male
Birth Date: 1952-08-01
Patient Identifiers:

Identifier	System
654321	urn:oid:0.1.2.3.4.5.6.7http://terminology.hl7.org/CodeSystem/v2-0203
5584486647	https://fhir.infoway-inforoute.ca/NamingSystem/ca-on-patient-hcnhttp://terminology.hl7.org/CodeSystem/v2-0203

Where to Access the PS-CA FHIR Renderer



Validator	URL
PS-CA FHIR Renderer	https://ps-ca-renderer.apibox.ca/index.html
PS-CA Specification	https://infoscribe.infoway-inforoute.ca/display/PCI/PS-CA+Release+Information
PS-CA FHIR profiles	https://simplifier.net/PS-CA-R1



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Thank you!

To learn more about the Projectathon 2025, visit:

<https://infoscribe.infoway-inforoute.ca/display/PCI/Scope%3A+Projectathon+2025>

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