

# Core Interoperability Specification Requirements

## Actor Mapping to Interoperability Specification

The Use Case Actors and the Services they support are described at a functional level in the Patient Summary – Companion Guide to Use Cases and Definitions. Services may be Mandatory, Recommended or Optional. The Use Case Actor, Service(s) and optionality are conveyed in the first three columns of Tables 1 to 3 in the section below.

The second part of the table (columns 4-7) provides the mapping for the Use Case Actor to the detailed specifications (such as IHE Profiles, Profile Actors, Optionality) that systems shall implement to exchange healthcare information in the context of these Use Cases.

For a selected Use Case Actor (a single row in the table), the system shall implement all the requirements (some optionality when allowed) listed in the second part of the table (columns 4-7). This includes the referenced healthcare profiles, the standards specified and terminology standards. For each Profile Actor (whether mandatory, recommended, or optional), the last column references the detailed specification the IHE profile for PS-CA requirements. These specifications may be found in Appendices to this specification document or in other referenced companion guides.

### Legend

OPT = Optionality for the service supported by the use case actor and technical actors

M = Mandatory

R = Recommended

O = Optional

**Table 1. Interoperability Conformance Requirements for Use Case 1: HCP Creates PS-CA**

PS-CA USE CASE 1: HCP Creates PS-CA			MAPPING TO SECTIONS FROM THIS AND REFERENCED INTEROPERABILITY SPECIFICATIONS			
USE CASE ACTOR	SERVICE SUPPORTED	OPT	TECHNICAL ACTOR	OPT	PROFILE/ STANDARD	REFERENCED SPECIFICATION AND STANDARDS
PS-CA Producer	Authenticate User	R	Client (EMR)	R	Internet User Assertion (IUA)	Refer to Appendix A – IUA Profile Overview
	Identify Patient	O	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
		O	Patient Demographic Consumer	R	PDQm	Refer to Appendix A – PDQm Profile Overview
	Retrieve clinical data from local data sources	R	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
	Assemble and review Patient Summary	R	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
	Update Current Valuesets and ConceptMaps	O	Client (EMR)	R	SVCM	Refer to Appendix A – SVCM Profile Overview
	Omit or Mask Data based on Jurisdictional Policy	O	Client (EMR)	O	Jurisdictional Requirement	N/A
	Save PS-CA to Document Repository	R	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
		M	Document Source	M	MHD	Refer to Appendix A – MHD Profile Overview
HIE Central Infrastructure	Identify Patient	O	Patient Identity Registry	R	PMIR	Refer to Appendix A – PMIR Profile Overview
Document Repository (Local to PS-CA Producer or Central)	Save PS-CA to Document Repository	M	Document Recipient	M	MHD	Refer to Appendix A – MHD Profile Overview

**Table 2. Interoperability Conformance Requirements for Use Case 2: HCP Views/ Consumes PS-CA**

PS-CA USE CASE 2: HCP Views/Consumes PS-CA	MAPPING TO SECTIONS FROM THIS AND REFERENCED INTEROPERABILITY SPECIFICATIONS
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USE CASE ACTOR	SERVICE SUPPORTED	OPT	TECHNICAL ACTOR	OPT	PROFILE/ STANDARD	REFERENCED SPECIFICATION AND STANDARDS
PS-CA Consumer	Authenticate User	R	Client (EMR)	R	Internet User Assertion (IUA)	Refer to Appendix A – IUA Profile Overview
	Identify Patient	O	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
		O	Patient Demographic Consumer	R	PDQm	Refer to Appendix A – PDQm Profile Overview
	Retrieve PS-CA from Document Repository	R	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
		M	Document Consumer	M	MHD	Refer to Appendix A – MHD Profile Overview
	Download/Print PS-CA	O	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
	Update Current ValueSets and ConceptMaps	O	Client (EMR)	R	SVCM	Refer to Appendix A – SVCM Profile Overview
HIE Central Infrastructure	Identify Patient	O	Patient Identity Registry	R	PMIR	Refer to Appendix A – PMIR Profile Overview
Document Repository (Local to PS-CA Producer or Central)	Retrieve PS-CA from Document Repository	M	Document Responder	M	MHD	Refer to Appendix A – MHD Profile Overview

**Table 3. Interoperability Conformance Requirements for Use Case 3: Patient Views/Consumes PS-CA**

PS-CA USE CASE 3: Patient Views/Consumes PS-CA			MAPPING TO SECTIONS FROM THIS AND REFERENCED INTEROPERABILITY SPECIFICATIONS			
USE CASE ACTOR	SERVICE SUPPORTED	OPT	TECHNICAL ACTOR	OPT	PROFILE/ STANDARD	REFERENCED SPECIFICATION AND STANDARDS
Patient Portal	Authenticate User	R	Client (EMR)	R	Internet User Assertion (IUA)	Refer to Appendix A – IUA Profile Overview
	Identify Patient	O	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
		O	Patient Demographic Consumer	R	PDQm	Refer to Appendix A – PDQm Profile Overview
	Retrieve PS-CA from Document Repository	R	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
		R	Document Consumer	R	MHD	Refer to Appendix A – MHD Profile Overview
	Render to Specific Format (PDF)	R	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	Refer to pan-Canadian Patient Summary - Companion Guide to Reference Architecture
	Download/Print PS-CA	O	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	N/A
	Save to Portable Media	O	Client (EMR)	R	Use Existing Standards Employed by the Clinical System	Refer to Appendix A
		O	Portable Media Creator	R	XDM	Refer to Appendix A – XDM Profile Overview
HIE Central Infrastructure	Identify Patient	O	Patient Identity Registry	R	PMIR	Refer to Appendix A – 6.5. PMIR Profile Overview
PS-CA Producer	Retrieve PS-CA from Document Repository	M	Document Responder	M	MHD	Refer to Appendix A – MHD Profile Overview
Document Repository (Local or Central)	Retrieve PS-CA from Document Repository	M	Document Responder	M	MHD	Refer to Appendix A – MHD Profile Overview