Preparing for Projectathon Testing

Preparing for Projectathon Testing

An analysis between PS-CA, PS-AB, PS-ON has been developed to help vendors get the most out of their testing of the PS-CA. The analysis uses the following legend to help vendors understand the differences between the types of constraints and their impact on configuration for testing.

Default Code: This is a constraint shared across all implementations and should be written into the code deployed across all instances

Configuration: This is an additional constraint requiring further configuration of an individual instance to meet the business rules of a particular implementation.

Note: The additional constraints applied in PS-AB profiles are currently reflective of current business requirements for what an authoring provider in AB can/should contribute. Therefore, the assessment to PS-CA & PS-ON constraints is not a truly equivalent comparison.

Canada Health Infoway

Profile Comparison

Profile	Is Profile in PS-CA	Is Profile in PS-AB?	In Profile in PS-ON?
Bundle	Y	Y (uses PS-CA)	Y
Composition	Y	Y**	Y
Patient	Y	Y**	Y
Practitioner, PractitionerRole, Organization, Location	N*	Y*	Y
Condition	Y	Y**	Y
AllergyIntolerance	Y	Y**	Y
MedicationRequest & Medication	Y	Y**	Y
MedicationStatement	Y	N	Y
Immunization	Y	N	Y
Procedure	Y	Y**	Y
FamilyMember History	Y	Y**	N
Social History - General	Y	Y**	N
Social History – Tobacco Use	Y	N	N
Social History – Alcohol Use	Y	N	N
Vital Signs (BMI, BodyHeight, BodyWeight, Head Circumference)	N*	Y*	N

* Profile is present but points to other specification (base FHIR specification, CA Baseline, etc.)
** Re-profiled from PS-CA

Canada Health Infoway

Conformance Expectations - Patient

Resource	Element	PS-CA		PS-AB		PS-ON	
Patient Profile	meta.profile	No constraints		No constraints		**Always supply meta.profile** (implementation detail)	⚙
	.identifier	Demonstrate you can supply JHN & MRN slices modeled	👤	**Always supply an identifier** (implementation detail) At least one identifier **must be** a JHN (implementation detail)	⚙	**Always supply an identifier** (implementation detail) Demonstrate you can supply a JHN and/or MRN	⚙
	.name	**Always supply a name**	👤	**Always supply a name**		**Always supply a name**	
	.name.text	Demonstrate you can supply	👤	**Always supply name.text** (implementation detail)	⚙	Demonstrate you can supply	
	.name.family	Demonstrate you can supply	👤	**Always supply name.family** (implementation detail)	⚙	Demonstrate you can supply	
	.name.given	Demonstrate you can supply	👤	Demonstrate you can supply		Demonstrate you can supply	
	.telecom	Encouraged but not must support		Encouraged but not must support		Demonstrate you can supply	⚙
	.gender	**Always supply a gender**	👤	**Always supply a gender**		**Always supply a gender**	
	.birthDate	**Always supply a birthdate**	👤	**Always supply a birthdate**		**Always supply a birthdate**	
	.address	Encouraged but not must support		Encouraged but not must support		Demonstrate you can supply	⚙
	.generalPractitioner	Encouraged but not must support		Encouraged but not must support		Demonstrate you can supply Demonstrate you can support a reference to a PractitionerRole PS-ON	⚙

Conformance Expectations – FamilyMemberHx

Default Code

Configuration

Resource	Element	PS-CA		PS-AB		PS-ON
Family Member History Profile	.identifier	No constraints		**Always supply an identifier** **Always supply one that meets ULI slice** (implementation detail)	⚙	N/A (Not an Included Profile)
	.status	**Base FHIR cardinality requires a value be always be present**	👤	**Base FHIR cardinality requires a value be always be present**		
	.patient	**Always supply a patient with reference** Demonstrate your reference at least meets the expectations laid out in PS-CA Patient	👤	**Always supply a patient with reference** Demonstrate your reference at least meets the expectations laid out in PS-AB Patient	⚙	
	.date	Encouraged but not must support		No constraints		
	.relationship	Demonstrate you can supply	👤	Demonstrate you can supply		
	.note	Demonstrate you can supply	👤	Demonstrate you can supply		
	.note.text	Demonstrate you can supply	👤	Demonstrate you can supply		
	.condition	Encouraged but not must support		Demonstrate you can supply	⚙	
	.condition.onsetString	Encouraged but not must support		Demonstrate you can supply if onset is supplied	⚙	
	.condition.note.text	Demonstrate you can support if note is supplied	👤	Demonstrate you can support if note is supplied		

Canada Health Infoway

Conformance Expectations – SocialHx

Resource	Element	PS-CA		PS-AB		PS-ON
Social History Profile	.text	No constraints		Demonstrate you can supply	⚙	
	.extension:effectiveDateHL7	No constraints		Demonstrate you can supply	⚙	
	.identifier	No constraints		**Always supply an identifier** **Always supply one that meets ULI slice** (implementation detail)	⚙	
	.status	**Base FHIR cardinality requires a value be always be present**	👤	**Base FHIR cardinality requires a value be always be present**		
	.category	Demonstrate you can supply **Supply one that meets social-history slice if category provided**	👤	Demonstrate you can supply **Supply one that meets social-history slice if category provided**		N/A (Not an Included Profile)
	.code	**Base FHIR cardinality requires a code be always be present**	👤	**Base FHIR cardinality requires a code be always be present**		
	.code.coding	Encouraged but not must support		Encouraged but not must support		
	.code.text	Demonstrate you can supply	👤	Demonstrate you can supply		
	.subject	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-CA Patient		**Always supply a subject with reference with at least type of Patient** Demonstrate your reference at least meets the expectations laid out in PS-AB Patient	⚙	
	.effective	Encouraged but not must support		No constraints		
	.value	Demonstrate you can supply	👤	Demonstrate you can supply		
	.note	Demonstrate you can supply	👤	Demonstrate you can supply		
	.note.text	Demonstrate you can supply	👤	Demonstrate you can supply		

Conformance Expectations - Condition

Default Code

Configuration

Resource	Element	PS-CA		PS-AB		PS-ON	
Condition Profile	.meta.profile	No constraints		No constraints		**Always supply meta.profile** (implementation detail)	⚙
	.identifier	No constraints		**Always supply an identifier** (implementation detail)	⚙	No constraints	
	.clinicalStatus	**Always supply a clinicalStatus**	👤	**Always supply a clinicalStatus**		**Always supply a clinicalStatus**	
	category	Encouraged but not must support		No constraints		No constraints	
	severity	Encouraged but not must support		No constraints		Encouraged but not must support	
	.code	**Always supply a code** (see below)	👤	**Always supply a code** (see below)		**Always supply a code** (see below)	
	.code.coding	Encouraged but not must support	👤	Encouraged but not must support		Demonstrate you can supply Demonstrate you can meet SCTCA and/or absentOrUnknownProblem slices	⚙
	.code.text	Demonstrate you can supply		**Always supply a text**	⚙	Demonstrate you can supply	
	.subject	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-CA Patient	👤	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-AB Patient	⚙	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-ON Patient	⚙
	.onset	Demonstrate you can supply an onsetDateTime	👤	Demonstrate you can supply an onsetDateTime		Demonstrate you can supply an onsetDateTime	
	.note	No constraints		==Encouraged==	⚙	No constraints	

Canada Health Infoway

Conformance Expectations – AllergyIntolerance

Default Code

Configuration

Resource	Element	PS-CA		PS-AB		PS-ON	
Allergy Intolerance Profile	.meta.profile	No constraints		No constraints		**Always supply meta.profile** (implementation detail)	⚙
	extension. abatementDateTime	Encouraged but not must support		Encouraged but not must support		Encouraged but not must support	
	.clinicalStatus or verificationStatus	**Base FHIR invariant requires either/or be present**	👤	**Base FHIR invariant requires either/or be present**		**Base FHIR invariant requires either/or be present**	
	.type	Encouraged but not must support		**Always supply a type**	⚙	Demonstrate you can supply	⚙
	.code	**Always supply a code** (see below)	👤	**Always supply a code** (see below)		**Always supply a code** (see below)	
	.code.coding	Encouraged but not must support		Encouraged but not must support		Demonstrate you can supply Demonstrate you can meet codeAllergyCA and/or absentOrUnknownProblem slices	⚙
	.code.text	Demonstrate you can supply	👤	**Always supply a text**	⚙	Demonstrate you can supply	
	.patient	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-CA Patient	👤	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-AB Patient	⚙	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-ON Patient	⚙
	.onset	Demonstrate you can supply an onsetDateTime	👤	Demonstrate you can supply an onsetDateTime		Demonstrate you can supply an onsetDateTime	
	.reaction	Demonstrate you can supply	👤	Demonstrate you can supply		Demonstrate you can supply	
	.reaction.manifestation	Demonstrate you can supply **Base FHIR cardinality requires a value be present if reaction is provided**	👤	Demonstrate you can supply **Only 1 manifestation may be supplied**	⚙	Demonstrate you can supply	
	reaction.manifestation.coding	Encouraged but not must support		Encouraged but not must support		PS-ON Demonstrate you can supply Demonstrate you can meet SCTCA Slice	⚙
	.reaction.manifestation.text	Demonstrate you can supply	👤	Demonstrate you can supply		Demonstrate you can supply	
	.reaction.description	No constraints		**Always supply a description if reaction is provided**	⚙	No constraints	
	.reaction.severity	Encouraged but not must support		Encouraged but not must support		Demonstrate you can supply	⚙
	.reaction.note	No constraints		Encouraged		No constraints	

8

Conformance Expectations – Procedure

 Default Code

 Configuration

Resource	Element	PS-CA		PS-AB		PS-ON	
Procedure Profile	.meta.profile	No constraints		No constraints		**Always supply meta.profile** (implementation detail)	⚙
	.identifier	No constraints		**Always supply an identifier** (implementation detail)	⚙	No constraints	
	.status	**Base FHIR cardinality requires a value be always be present**	👤	**Base FHIR cardinality requires a value be always be present**		**Base FHIR cardinality requires a value be always be present**	
	.code	**Always supply a code** (see below)	👤	**Always supply a code** (see below)		**Always supply a code** (see below)	
	.code.coding	Encouraged but not must support	👤	Encouraged but not must support		Demonstrate you can supply Demonstrate you can meet codeSCTCA and/or absentOrUnknownProblem slices	⚙
	.code.text	Demonstrate you can supply	👤	Demonstrate you can supply		Demonstrate you can supply	
	.subject	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-CA Patient	👤	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-AB Patient	⚙	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-ON Patient	⚙
	.performed	**Always supply a performed value (or data absent reason)**		**Always supply a performed dateTime (or data absent reason)**	⚙	**Always supply a performed value (or data absent reason)**	
	bodySite	Encouraged but not must support		<mark>Encouraged</mark>		Encouraged but not must support	
	note	No constraints		<mark>Encouraged</mark>		No constraints	

Canada Health Infoway

Conformance Expectations – MedicationRequest

Default Code

Configuration

Resource	Element	PS-CA		PS-AB		PS-ON	
Medication Request Profile	.meta.profile	No constraints		No constraints		**Always supply meta.profile** (implementation detail)	⚙
	.extension.RenderedDosageInstruction	Socialized but not must support		Socialized but not must support		Socialized but not must support	
	.identifier	No constraints		**Always supply an identifier** (implementation detail)	⚙	No constraints	
	.status	**Base FHIR cardinality requires a value be always be present**	👤	**Base FHIR cardinality requires a value be always be present**		**Base FHIR cardinality requires a value be always be present**	
	.medication[x]	Demonstrate you can supply medicationReference (PS-CA) and/or medicationCodeableConcept	👤	Demonstrate you can supply medicationReference and/or medicationCodeableConcept		Demonstrate you can supply medicationReference(PS-ON) and/or medicationCodeableConcept	⚙
	.subject	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-CA Patient	👤	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-AB Patient	⚙	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-ON Patient	⚙
	.authoredOn	Demonstrate you can supply	👤	Demonstrate you can supply		Demonstrate you can supply	
	.dosageInstruction	Demonstrate you can supply	👤	Demonstrate you can supply		Demonstrate you can supply	
	.dosageInstruction.extension.effectivePeriod	No constraints		No constraints		No constraints	
	.dosageInstruction.text	Demonstrate you can supply	👤	Demonstrate you can supply		Demonstrate you can supply	
	.dosageInstruction.timing	Encouraged but not must support		No constraints		Demonstrate you can supply	⚙
	.dosageInstruction.route	Encouraged but not must support		No constraints		Encouraged but not must support	
	dosageInstruction.doseAndRate.dose	No constraints		No constraints		No constraints	
	.dispenseRequest	No constraints		No constraints		No constraints	

Canada Health Infoway

Conformance Expectations – MedicationStatement

 Default Code

 Configuration

Resource	Element	PS-CA		PS-AB	PS-ON	
Medication Statement Profile	.meta.profile	No constraints			**Always supply meta.profile** (implementation detail)	⚙
	.extension.RenderedDosageInstruction	Socialized but not must support			Socialized but not must support	
	.status	**Base FHIR cardinality requires a value be always be present**	👤		**Base FHIR cardinality requires a value be always be present**	
	.medication[x]	Demonstrate you can supply medicationReference (PS-CA) and/or medicationCodeableConcept	👤		Demonstrate you can supply medicationReference(PS-ON) and/or medicationCodeableConcept	⚙
	.subject	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-CA Patient	👤	N/A (Not an Included Profile)	**Always supply a subject with reference** Demonstrate your reference at least meets the expectations laid out in PS-ON Patient	⚙
	.effective	**Always supply an effective value**	👤		**Always supply an effective value**	
	.effective.extension.DataAbsentReason	Demonstrate you can supply	👤		Demonstrate you can supply	
	.dosage	Demonstrate you can supply	👤		Demonstrate you can supply	
	.dosage.text	Demonstrate you can supply	👤		Demonstrate you can supply	
	.dosage.timing	Encouraged but not must support			Demonstrate you can supply	⚙
	.dosage.route	Encouraged but not must support (at least text must be supplied if concept is supported)	👤		Encouraged but not must support (at least text must be supplied if concept is supported)	

Canada Health Infoway

Conformance Expectations – Medication

Resource	Element	PS-CA		PS-AB		PS-ON	
Medication Profile	.meta.profile	No constraints		No constraints		**Always supply meta.profile** (implementation detail)	⚙
	.extension.strength	Socialized but not must support		Socialized but not must support		Socialized but not must support	
	.identifier	No constraints		**Always supply an identifier** (implementation detail)	⚙	No constraints	
	.code	**Always supply a code** (see below)	👤	**Always supply a code** (see below)		**Always supply a code** (see below)	
	.code.coding	Encouraged but not must support		Encouraged but not must support / If coding sent, value must be present	⚙ ⚙	Demonstrate you can supply / Demonstrate you can meet CCDD slice	⚙
	.code.text	Demonstrate you can supply	👤	**Always supply a text**	⚙	Demonstrate you can supply	
	.form	Demonstrate you can supply	👤	Demonstrate you can supply		Demonstrate you can supply	
	.form.coding	Encouraged but not must support		Encouraged but not must support		Demonstrate you can supply	⚙
	.form.text	Demonstrate you can supply	👤	**Always supply a text value if form is provided**	⚙	Demonstrate you can supply	
	.ingredient	No constraints		No constraints		Demonstrate you can supply	⚙
	.ingredient.item	**Base FHIR cardinality requires a value be always be present if ingredient provided**	👤	**Base FHIR cardinality requires a value be always be present if ingredient provided**		**Base FHIR cardinality requires a value be always be present if ingredient provided**	
	.ingredient.itemCodeableConcept	Encouraged but not must support		Encouraged but not must support		Demonstrate you can supply itemCodeableConcept / Demonstrate you can meet SCTCA slice	⚙
	.ingredient.strength	Encouraged but not must support / Demonstrate you can meet expectations of PS-CA Ratio if strength provided	👤	Encouraged but not must support / Demonstrate you can meet expectations of PS-CA Ratio if strength provided / Supply a value & unit for numerator if...	⚙	Demonstrate you can supply and meet expectations of PS-ON Ratio	⚙

Conformance Expectations – Immunization

Default Code

Configuration

Resource	Element	PS-CA		PS-AB	PS-ON	
Immunization Profile	.meta.profile	No constraints			**Always supply meta.profile** (implementation detail)	⚙
	status	**Base FHIR cardinality requires a value be always be present**	👤		**Base FHIR cardinality requires a value be always be present**	
	vaccineCode	**Always supply a vaccineCode**	👤		**Always supply a vaccineCode**	
	vaccineCode.coding	Encouraged but not must support			Demonstrate you can supply Demonstrate you can meet CVCGeneric, CVCTradename and/or absentOrUnknownProblem slices	⚙
	vaccineCode.text	Demonstrate you can supply	👤	N/A (Not an Included Profile)	Demonstrate you can supply	
	patient	**Always supply a patient with reference** Demonstrate your reference at least meets the expectations laid out in PS-CA Patient	👤		**Always supply a patient with reference** Demonstrate your reference at least meets the expectations laid out in PS-ON Patient	⚙
	.occurrence[x]	**Always supply an occurrence value**	👤		**Always supply an occurrence value**	
	.occurrence.extension.DataAbsentReason	Demonstrate you can supply	👤		Demonstrate you can supply	
	.site	Encouraged but not must support (at least text must be supplied if concept is supported)			Encouraged but not must support (at least text must be supplied if concept is supported)	
	.route	Encouraged but not must support (at least text must be supplied if concept is supported)			Encouraged but not must support (at least text must be supplied if concept is supported)	

Canada Health Infoway