Bidirectional Services eReferrals (BSeR) FHIR IG R1

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# Composition

BSeR Referral Feedback

[Composition: identifier http://hl7.org/phwg/bser/StructureDefinition/bser-referral-feedback (open)]

Table 1: BSeR Referral Feedback Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [BSeR Patient](#BSeR-Patient) (required)  [BSeR Practitioner](#BSeR-Practitioner) (required)  [BSeR Body Height Observation](#BSeR-Body-Height-Observation) (optional)  [BSeR Body Weight Observation](#BSeR-Body-Weight-Observation) (optional)  [BSeR Body Mass Index Observation](#BSeR-Body-Mass-Index-Observation) (optional)  [BSeR Blood Pressure Observation](#BSeR-Blood-Pressure-Observation) (optional) |

1. Conforms to Composition template (identifier: http://hl7.org/fhir/StructureDefinition/Composition).
2. SHALL contain exactly one [1..1] identifier (CONF:4383-209).
3. SHALL contain exactly one [1..1] status (CONF:4383-210).
4. SHALL contain exactly one [1..1] type (CONF:4383-211).
5. SHALL contain exactly one [1..1] [BSeR Patient](#BSeR-Patient) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient) (CONF:4383-205).
6. SHALL contain exactly one [1..1] date (CONF:4383-212).
7. SHALL contain exactly one [1..1] [BSeR Practitioner](#BSeR-Practitioner) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner) (CONF:4383-206).
8. SHALL contain exactly one [1..1] title (CONF:4383-213).
9. SHALL contain exactly one [1..1] relatesTo (CONF:4383-207).
   1. This relatesTo SHALL contain exactly one [1..1] code (CONF:4383-214).
   2. This relatesTo SHALL contain exactly one [1..1] targetIdentifier (CONF:4383-215).  
      Note: Referral Request Document Identifier
10. SHALL contain exactly one [1..1] section (CONF:4383-230).  
    Note: Multi-program Referral Feedback Data Items
    1. This section SHALL contain exactly one [1..1] title (CONF:4383-231).
    2. This section SHALL contain exactly one [1..1] code (CONF:4383-232).
    3. This section SHOULD contain exactly one [1..1] text (CONF:4383-233).
    4. This section SHOULD contain exactly one [1..1] [BSeR Body Height Observation](#BSeR-Body-Height-Observation) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-height-observation) (CONF:4383-240).
    5. This section SHOULD contain exactly one [1..1] [BSeR Body Weight Observation](#BSeR-Body-Weight-Observation) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-weight-observation) (CONF:4383-258).
    6. This section SHOULD contain exactly one [1..1] [BSeR Body Mass Index Observation](#BSeR-Body-Mass-Index-Observation) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-mass-index-observation) (CONF:4383-269).
    7. This section SHOULD contain exactly one [1..1] [BSeR Blood Pressure Observation](#BSeR-Blood-Pressure-Observation) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-blood-pressure-observation) (CONF:4383-283).
11. SHALL contain exactly one [1..1] section (CONF:4383-241).  
    Note: Program Specific Data Items
    1. This section SHOULD contain zero or one [0..1] section (CONF:4383-242) such that it  
       Note: Arthritis Program Specific Data
       1. SHALL contain exactly one [1..1] code (CONF:4383-284).
       2. SHOULD contain zero or one [0..1] entry (CONF:4383-285).  
          Note: Healthy eating
       3. SHOULD contain zero or one [0..1] entry (CONF:4383-286).  
          Note: improving strength, flexibility, and endurance
       4. SHOULD contain zero or one [0..1] entry (CONF:4383-287).  
          Note: Appropriate use of medications
       5. SHOULD contain zero or one [0..1] entry (CONF:4383-288).  
          Note: pain, fatigue, frustration and isolation
       6. SHOULD contain zero or one [0..1] entry (CONF:4383-289).  
          Note: Pain Management
    2. This section SHOULD contain zero or one [0..1] section (CONF:4383-243).
    3. This section SHOULD contain zero or one [0..1] section (CONF:4383-244).

# Consent

BSeR Consent

[Consent: identifier http://hl7.org/phwg/bser/StructureDefinition/bser-consent (open)]

Table 2: BSeR Consent Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [BSeR Patient](#BSeR-Patient) (required)  [BSeR Practitioner](#BSeR-Practitioner) (required)  [BSeR Related Person](#BSeR-Related-Person) (required) |

1. Conforms to Consent template (identifier: http://hl7.org/fhir/StructureDefinition/Consent).
2. SHALL contain exactly one [1..1] status (CONF:4383-119).
3. SHALL contain exactly one [1..1] category, which SHALL be selected from ValueSet ActConsentType urn:oid:2.16.840.1.113883.2.20.3.6 DYNAMIC (CONF:4383-124).
4. SHALL contain exactly one [1..1] [BSeR Patient](#BSeR-Patient) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient) (CONF:4383-120).
5. SHALL contain exactly one [1..1] dateTime (CONF:4383-125).
6. SHALL contain at least one [1..\*] [BSeR Related Person](#BSeR-Related-Person) (identifier: http://hl7.org/phwg/bser/StructureDefinition/bser-related-person) (CONF:4383-121).
7. SHALL contain at least one [1..\*] actor (CONF:4383-122).
   1. Such actors SHOULD contain zero or one [0..1] role, which SHALL be selected from ValueSet HealthcareProviderRoleType urn:oid:2.16.840.1.113883.3.239.12.7 (CONF:4383-126).
   2. Such actors SHALL contain exactly one [1..1] [BSeR Practitioner](#BSeR-Practitioner) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner) (CONF:4383-123).

# Coverage

BSeR Coverage

[Coverage: identifier http://hl7.org/phwg/bser/StructureDefinition/bser-coverage (open)]

Table 3: BSeR Coverage Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [BSeR Patient](#BSeR-Patient) (required)  [BSeR Related Person](#BSeR-Related-Person) (required)  [BSeR Organization](#BSeR-Organization) (required) |

1. Conforms to Coverage template (identifier: http://hl7.org/fhir/StructureDefinition/Coverage).
2. SHOULD contain zero or one [0..1] identifier (CONF:4383-155).
3. SHALL contain exactly one [1..1] status (CONF:4383-151).
4. SHALL contain exactly one [1..1] type (CONF:4383-152).
5. SHALL contain exactly one [1..1] [BSeR Related Person](#BSeR-Related-Person) (identifier: http://hl7.org/phwg/bser/StructureDefinition/bser-related-person) (CONF:4383-148).
6. SHALL contain exactly one [1..1] [BSeR Patient](#BSeR-Patient) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient) (CONF:4383-149).
7. SHOULD contain zero or one [0..1] period (CONF:4383-153).
   1. The period, if present, SHALL contain exactly one [1..1] start (CONF:4383-156).
   2. The period, if present, MAY contain zero or one [0..1] end (CONF:4383-157).
8. SHALL contain exactly one [1..1] [BSeR Organization](#BSeR-Organization) (identifier: http://hl7.org/phwg/bser/StructureDefinition/bser-organization) (CONF:4383-150).
9. SHOULD contain zero or one [0..1] grouping (CONF:4383-154).
   1. The grouping, if present, SHOULD contain zero or one [0..1] planDisplay (CONF:4383-158).

# Location

BSeR Service Delivery Location

[Location: identifier http://hl7.org/phwg/bser/StructureDefinition/bser-service-delivery-location (open)]

Table 4: BSeR Service Delivery Location Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Referring Provider](#BSeR-Referring-Provider) (optional)  [BSeR Servicing Provider](#BSeR_Servicing_Provider) (optional) |  |

1. Conforms to Location template (identifier: http://hl7.org/fhir/StructureDefinition/Location).
2. SHOULD contain zero or more [0..\*] identifier (CONF:4383-177).
3. SHOULD contain zero or one [0..1] name (CONF:4383-178).
4. MAY contain zero or more [0..\*] alias (CONF:4383-179).
5. SHOULD contain zero or one [0..1] type (CONF:4383-180).
6. SHOULD contain zero or more [0..\*] telecom (CONF:4383-175).
   1. The telecom, if present, SHALL contain exactly one [1..1] system (CONF:4383-181).
   2. The telecom, if present, SHALL contain exactly one [1..1] value (CONF:4383-182).
   3. The telecom, if present, SHOULD contain zero or one [0..1] use (CONF:4383-183).
7. SHOULD contain zero or one [0..1] address (CONF:4383-176).
   1. The address, if present, SHOULD contain zero or one [0..1] use (CONF:4383-184).
   2. The address, if present, MAY contain zero or one [0..1] text (CONF:4383-185).
   3. The address, if present, SHOULD contain zero or more [0..\*] line (CONF:4383-186).
   4. The address, if present, SHOULD contain zero or one [0..1] city (CONF:4383-187).
   5. The address, if present, SHOULD contain zero or one [0..1] state (CONF:4383-188).
   6. The address, if present, SHOULD contain zero or one [0..1] postalCode (CONF:4383-189).
   7. The address, if present, MAY contain zero or one [0..1] country (CONF:4383-190).

# Observation

BSeR Blood Pressure Observation

[Observation: identifier http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-blood-pressure-observation (open)]

Table 5: BSeR Blood Pressure Observation Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Referral Feedback](#BSeR-Referral-Feedback) (optional) |  |

1. Conforms to U.S. Core ObservationResults Profile template (identifier: http://hl7.org/fhir/us/core/StructureDefinition/us-core-observationresults).
2. SHALL contain exactly one [1..1] status (CONF:4383-275).
3. SHALL contain exactly one [1..1] category (CONF:4383-276).
4. SHALL contain exactly one [1..1] code (CONF:4383-277).
5. effectiveDateTime (CONF:4383-278)
6. valueQuantity (CONF:4383-272)
   1. SHALL contain exactly one [1..1] value (CONF:4383-279).
   2. SHALL contain zero or one [0..1] unit (CONF:4383-280).
7. valueQuantity (CONF:4383-274)
   1. SHALL contain exactly one [1..1] value (CONF:4383-281).
   2. SHALL contain exactly one [1..1] unit (CONF:4383-282).

BSeR Body Height Observation

[Observation: identifier http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-height-observation (open)]

Table 6: BSeR Body Height Observation Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Referral Feedback](#BSeR-Referral-Feedback) (optional) |  |

1. Conforms to U.S. Core ObservationResults Profile template (identifier: http://hl7.org/fhir/us/core/StructureDefinition/us-core-observationresults).
2. SHALL contain exactly one [1..1] category="118227000" Vital signs finding (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:4383-236).
3. SHALL contain exactly one [1..1] code=" 8302-2" Body height (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4383-237).
4. valueQuantity (CONF:4383-235)
   1. SHALL contain exactly one [1..1] value (CONF:4383-238).
   2. SHALL contain exactly one [1..1] unit="meter" meter (CodeSystem: UCUM urn:oid:2.16.840.1.113883.6.8) (CONF:4383-239).

BSeR Body Mass Index Observation

[Observation: identifier http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-mass-index-observation (open)]

Table 7: BSeR Body Mass Index Observation Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Referral Feedback](#BSeR-Referral-Feedback) (optional) |  |

1. Conforms to U.S. Core ObservationResults Profile template (identifier: http://hl7.org/fhir/us/core/StructureDefinition/us-core-observationresults).
2. SHALL contain exactly one [1..1] status (CONF:4383-262).
3. SHALL contain exactly one [1..1] category (CONF:4383-263).
4. SHALL contain exactly one [1..1] code (CONF:4383-264).
5. effectiveDateTime (CONF:4383-265)
6. valueQuantity (CONF:4383-261)
   1. SHALL contain exactly one [1..1] value (CONF:4383-266).
   2. SHALL contain exactly one [1..1] unit (CONF:4383-267).
7. MAY contain zero or one [0..1] dataAbsentReason (CONF:4383-268).

BSeR Body Weight Observation

[Observation: identifier http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-weight-observation (open)]

Table 8: BSeR Body Weight Observation Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Referral Feedback](#BSeR-Referral-Feedback) (optional) |  |

1. Conforms to U.S. Core ObservationResults Profile template (identifier: http://hl7.org/fhir/us/core/StructureDefinition/us-core-observationresults).
2. SHALL contain exactly one [1..1] status="complete" complete (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 STATIC) (CONF:4383-252).
3. SHALL contain exactly one [1..1] category (CONF:4383-253).
4. SHALL contain exactly one [1..1] code (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4383-254).
5. effectiveDateTime (CONF:4383-255)
6. valueQuantity (CONF:4383-251)
   1. SHALL contain exactly one [1..1] value (CONF:4383-256).
   2. SHALL contain exactly one [1..1] unit (CONF:4383-257).

BSeR Education Level

[Observation: identifier http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-education-level (open)]

Table 9: BSeR Education Level Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [BSeR Patient](#BSeR-Patient) (required) |

1. Conforms to U.S. Core ObservationResults Profile template (identifier: http://hl7.org/fhir/us/core/StructureDefinition/us-core-observationresults).
2. SHALL contain exactly one [1..1] status="completed" completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4383-105).
3. SHALL contain exactly one [1..1] code=" 80913-7" Highest level of education (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4383-94).
4. SHALL contain exactly one [1..1] [BSeR Patient](#BSeR-Patient) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient) (CONF:4383-95).
5. valueCodeableConcept, which SHALL be selected from ValueSet Patient Education urn:oid:2.16.840.1.113883.11.20.9.34 DYNAMIC (CONF:4383-98)
6. MAY contain zero or one [0..1] dataAbsentReason, which SHALL be selected from ValueSet Null Flavor urn:oid:1.3.6.1.4.1.19376.1.4.1.6.5.30 DYNAMIC (CONF:4383-106).

BSeR Employment Status

[Observation: identifier http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-PatientEmploymentStatus (open)]

Table 10: BSeR Employment Status Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [BSeR Patient](#BSeR-Patient) (required) |

1. Conforms to U.S. Core ObservationResults Profile template (identifier: http://hl7.org/fhir/us/core/StructureDefinition/us-core-observationresults).
2. SHALL contain exactly one [1..1] status="completed" completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4383-101).
3. SHALL contain exactly one [1..1] code=" 74165-2" History of employment status (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4383-102).
4. SHALL contain exactly one [1..1] [BSeR Patient](#BSeR-Patient) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient) (CONF:4383-99).
5. valueCodeableConcept, which SHALL be selected from ValueSet Employment Status urn:oid:2.16.840.1.113883.1.11.20562 DYNAMIC (CONF:4383-103)
6. MAY contain zero or one [0..1] dataAbsentReason, which SHALL be selected from ValueSet Null Flavor urn:oid:1.3.6.1.4.1.19376.1.4.1.6.5.30 (CONF:4383-104).

# Organization

BSeR Organization

[Organization: identifier http://hl7.org/phwg/bser/StructureDefinition/bser-organization (open)]

Table 11: BSeR Organization Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Referring Provider](#BSeR-Referring-Provider) (optional)  [BSeR Servicing Provider](#BSeR_Servicing_Provider) (optional)  [BSeR Coverage](#BSeR-Coverage) (required) |  |

1. SHOULD contain zero or more [0..\*] identifier (CONF:4383-162).
2. SHOULD contain exactly one [1..1] type (CONF:4383-163).
3. SHALL contain exactly one [1..1] name (CONF:4383-164).
4. SHOULD contain zero or more [0..\*] telecom (CONF:4383-160).
   1. The telecom, if present, SHALL contain exactly one [1..1] system (CONF:4383-165).
   2. The telecom, if present, SHALL contain exactly one [1..1] value (CONF:4383-166).
   3. The telecom, if present, SHOULD contain zero or one [0..1] use (CONF:4383-167).
5. SHOULD contain zero or more [0..\*] address (CONF:4383-161).
   1. The address, if present, SHOULD contain zero or one [0..1] use (CONF:4383-168).
   2. The address, if present, MAY contain zero or one [0..1] text (CONF:4383-169).
   3. The address, if present, SHOULD contain zero or more [0..\*] line (CONF:4383-170).
   4. The address, if present, SHOULD contain zero or one [0..1] city (CONF:4383-171).
   5. The address, if present, SHOULD contain zero or one [0..1] state (CONF:4383-172).
   6. The address, if present, SHOULD contain zero or one [0..1] postalCode (CONF:4383-173).
   7. The address, if present, MAY contain zero or one [0..1] country (CONF:4383-174).

# Patient

BSeR Patient

[Patient: identifier http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient (open)]

Table 12: BSeR Patient Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Education Level](#BSeR-Education-Level) (required)  [BSeR Employment Status](#BSeR-Employment-Status) (required)  [BSeR Consent](#BSeR-Consent) (required)  [BSeR Related Person](#BSeR-Related-Person) (required)  [BSeR Coverage](#BSeR-Coverage) (required)  [BSeR Referral Request](#BSeR-Referral-Request) (required)  [BSeR Referral Feedback](#BSeR-Referral-Feedback) (required) |  |

1. Conforms to U.S. Core Patient Profile template (identifier: http://hl7.org/fhir/us/core/StructureDefinition/us-core-patient).
2. SHALL contain at least one [1..\*] identifier (CONF:4383-34).
   1. Such identifiers SHOULD contain zero or one [0..1] type (CONF:4383-39).
   2. Such identifiers SHALL contain exactly one [1..1] system (CONF:4383-40).
   3. Such identifiers SHALL contain exactly one [1..1] value (CONF:4383-41).
3. SHALL contain at least one [1..\*] name (CONF:4383-54).
   1. Such names SHOULD contain zero or one [0..1] use, which SHALL be selected from ValueSet EntityNameUse urn:oid:2.16.840.1.113883.1.11.15913 DYNAMIC (CONF:4383-110).
   2. Such names SHALL contain exactly one [1..1] family (CONF:4383-60).
   3. Such names SHALL contain at least one [1..\*] given (CONF:4383-61).
4. SHOULD contain zero or more [0..\*] telecom (CONF:4383-35).
   1. The telecom, if present, SHALL contain exactly one [1..1] system (CONF:4383-42).
   2. The telecom, if present, SHALL contain exactly one [1..1] value (CONF:4383-43).
   3. The telecom, if present, SHOULD contain zero or one [0..1] use, which SHALL be selected from ValueSet Telecom Use (US Realm Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:4383-44).
5. SHALL contain exactly one [1..1] gender, which SHALL be selected from ValueSet Administrative Gender Excluding Nulls urn:oid:2.16.840.1.113883.3.2074.1.1.5 DYNAMIC (CONF:4383-55).
6. SHALL contain exactly one [1..1] birthDate (CONF:4383-56).
7. SHOULD contain zero or more [0..\*] address (CONF:4383-36).
   1. The address, if present, MAY contain zero or one [0..1] text (CONF:4383-111).
   2. The address, if present, SHOULD contain zero or more [0..\*] line (CONF:4383-45).
   3. The address, if present, SHOULD contain zero or one [0..1] city (CONF:4383-46).
   4. The address, if present, SHOULD contain zero or one [0..1] state (CONF:4383-47).
   5. The address, if present, SHOULD contain zero or one [0..1] postalCode (CONF:4383-48).
   6. The address, if present, SHOULD contain zero or one [0..1] country (CONF:4383-49).
8. SHOULD contain zero or one [0..1] communication (CONF:4383-107).
   1. The communication, if present, SHALL contain exactly one [1..1] language, which SHALL be selected from ValueSet HumanLanguage urn:oid:2.16.840.1.113883.2.20.3.51 DYNAMIC (CONF:4383-108).
   2. The communication, if present, SHALL contain zero or one [0..1] preferred (CONF:4383-109).

# Practitioner

BSeR Practitioner

[Practitioner: identifier http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner (open)]

Table 13: BSeR Practitioner Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Referring Provider](#BSeR-Referring-Provider) (required)  [BSeR Servicing Provider](#BSeR_Servicing_Provider) (required)  [BSeR Consent](#BSeR-Consent) (required)  [BSeR Referral Request](#BSeR-Referral-Request) (optional)  [BSeR Referral Request](#BSeR-Referral-Request) (required)  [BSeR Referral Feedback](#BSeR-Referral-Feedback) (required) |  |

1. Conforms to U.S. Core Practitioner Profile template (identifier: http://hl7.org/fhir/us/core/StructureDefinition/us-core-practitioner).
2. SHOULD contain zero or more [0..\*] identifier (CONF:4383-68).
   1. The identifier, if present, SHALL contain exactly one [1..1] value (CONF:4383-74).
3. SHOULD contain zero or one [0..1] name (CONF:4383-69).
   1. The name, if present, SHALL contain exactly one [1..1] family (CONF:4383-75).
   2. The name, if present, SHOULD contain at least one [1..\*] given (CONF:4383-76).
   3. The name, if present, MAY contain zero or one [0..1] prefix (CONF:4383-77).
   4. The name, if present, MAY contain zero or one [0..1] suffix (CONF:4383-78).
4. SHOULD contain zero or more [0..\*] telecom (CONF:4383-70).
   1. The telecom, if present, SHALL contain exactly one [1..1] system (CONF:4383-159).
   2. The telecom, if present, SHALL contain exactly one [1..1] value (CONF:4383-81).
   3. The telecom, if present, SHOULD contain zero or one [0..1] use (CONF:4383-83).
5. SHOULD contain zero or one [0..1] address (CONF:4383-82).
   1. The address, if present, SHOULD contain zero or one [0..1] use (CONF:4383-84).
   2. The address, if present, SHOULD contain zero or one [0..1] city (CONF:4383-85).
   3. The address, if present, SHOULD contain zero or one [0..1] state (CONF:4383-86).
   4. The address, if present, SHOULD contain zero or one [0..1] postalCode (CONF:4383-87).
   5. The address, if present, MAY contain zero or one [0..1] country (CONF:4383-88).

# PractitionerRole

BSeR Referring Provider

[PractitionerRole: identifier http://hl7.org/phwg/bser/StructureDefinition/referringProvider (open)]

Table 14: BSeR Referring Provider Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [BSeR Practitioner](#BSeR-Practitioner) (required)  [BSeR Organization](#BSeR-Organization) (optional)  [BSeR Service Delivery Location](#BSeR-Service-Delivery-Location) (optional) |

1. Conforms to PractitionerRole template (identifier: http://hl7.org/fhir/StructureDefinition/PractitionerRole).
2. SHALL contain exactly one [1..1] [BSeR Practitioner](#BSeR-Practitioner) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner) (CONF:4383-62).
3. SHOULD contain zero or one [0..1] [BSeR Organization](#BSeR-Organization) (identifier: http://hl7.org/phwg/bser/StructureDefinition/bser-organization) (CONF:4383-63).
4. SHOULD contain zero or one [0..1] code (CONF:4383-64).
   1. The code, if present, SHALL contain exactly one [1..1] coding (CONF:4383-65).
   2. The code, if present, MAY contain zero or one [0..1] text (CONF:4383-66).
5. SHOULD contain zero or one [0..1] [BSeR Service Delivery Location](#BSeR-Service-Delivery-Location) (identifier: http://hl7.org/phwg/bser/StructureDefinition/bser-service-delivery-location) (CONF:4383-191).

BSeR Servicing Provider

[PractitionerRole: identifier http://hl7.org/phwg/bser/StructureDefinition/servicingProvider (open)]

Table 15: BSeR Servicing Provider Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [BSeR Practitioner](#BSeR-Practitioner) (required)  [BSeR Organization](#BSeR-Organization) (optional)  [BSeR Service Delivery Location](#BSeR-Service-Delivery-Location) (optional) |

1. Conforms to PractitionerRole template (identifier: http://hl7.org/fhir/StructureDefinition/PractitionerRole).
2. SHALL contain exactly one [1..1] [BSeR Practitioner](#BSeR-Practitioner) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner) (CONF:4383-89).
3. SHOULD contain zero or one [0..1] [BSeR Organization](#BSeR-Organization) (identifier: http://hl7.org/phwg/bser/StructureDefinition/bser-organization) (CONF:4383-90).
4. SHOULD contain zero or one [0..1] code (CONF:4383-91).
   1. The code, if present, SHALL contain exactly one [1..1] coding (CONF:4383-92).
   2. The code, if present, MAY contain zero or one [0..1] text (CONF:4383-93).
5. SHOULD contain zero or one [0..1] [BSeR Service Delivery Location](#BSeR-Service-Delivery-Location) (identifier: http://hl7.org/phwg/bser/StructureDefinition/bser-service-delivery-location) (CONF:4383-192).

# ReferralRequest

BSeR Referral Request

[ReferralRequest: identifier http://hl7.org/phwg/bser/StructureDefinition/bser-referral-request (open)]

Table 16: BSeR Referral Request Contexts

| Contained By: | Contains: |
| --- | --- |
|  | [BSeR Patient](#BSeR-Patient) (required)  [BSeR Practitioner](#BSeR-Practitioner) (optional)  [BSeR Practitioner](#BSeR-Practitioner) (required) |

1. Conforms to ReferralRequest template (identifier: http://hl7.org/fhir/StructureDefinition/ReferralRequest).
2. SHALL contain exactly one [1..1] identifier (CONF:4383-197).
   1. This identifier SHOULD contain zero or one [0..1] type (CONF:4383-218).
   2. This identifier SHALL contain exactly one [1..1] value (CONF:4383-219).
3. SHALL contain exactly one [1..1] status (CONF:4383-198).
   1. This status SHALL contain exactly one [1..1] @value, which SHALL be selected from ValueSet ActStatus urn:oid:2.16.840.1.113883.1.11.15933 DYNAMIC (CONF:4383-220).
4. SHALL contain at least one [1..\*] serviceRequested (CONF:4383-200).
   1. Such serviceRequesteds SHALL contain exactly one [1..1] coding (CONF:4383-216).
      1. This coding SHALL contain exactly one [1..1] code (CONF:4383-221).
      2. This coding SHOULD contain zero or one [0..1] display (CONF:4383-222).
   2. Such serviceRequesteds MAY contain zero or one [0..1] text (CONF:4383-223).
5. SHALL contain exactly one [1..1] [BSeR Patient](#BSeR-Patient) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient) (CONF:4383-193).
6. SHALL contain exactly one [1..1] authoredOn (CONF:4383-201).
   1. This authoredOn SHALL contain exactly one [1..1] @value (CONF:4383-224).
7. SHALL contain exactly one [1..1] requester (CONF:4383-194).
   1. This requester SHALL contain exactly one [1..1] [BSeR Practitioner](#BSeR-Practitioner) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner) (CONF:4383-195).
8. MAY contain zero or more [0..\*] [BSeR Practitioner](#BSeR-Practitioner) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner) (CONF:4383-196).
9. SHALL contain exactly one [1..1] reasonCode (CONF:4383-202).
   1. This reasonCode SHALL contain exactly one [1..1] coding (CONF:4383-217).
      1. This coding SHOULD contain zero or one [0..1] system (CONF:4383-225).
      2. This coding MAY contain zero or one [0..1] version (CONF:4383-226).
      3. This coding SHALL contain exactly one [1..1] code (CONF:4383-227).
      4. This coding SHOULD contain zero or one [0..1] display (CONF:4383-228).
   2. This reasonCode MAY contain zero or one [0..1] text (CONF:4383-229).
10. SHOULD contain zero or more [0..\*] supportingInfo (CONF:4383-203).
11. SHOULD contain zero or more [0..\*] relevantHistory (CONF:4383-204).

# RelatedPerson

BSeR Related Person

[RelatedPerson: identifier http://hl7.org/phwg/bser/StructureDefinition/bser-related-person (open)]

Table 17: BSeR Related Person Contexts

| Contained By: | Contains: |
| --- | --- |
| [BSeR Consent](#BSeR-Consent) (required)  [BSeR Coverage](#BSeR-Coverage) (required) | [BSeR Patient](#BSeR-Patient) (required) |

1. SHALL contain exactly one [1..1] [BSeR Patient](#BSeR-Patient) (identifier: http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient) (CONF:4383-129).
2. SHALL contain zero or one [0..1] relationship, which SHALL be selected from ValueSet PatientRelationshipType urn:oid:2.16.840.1.113883.4.642.3.442 DYNAMIC (CONF:4383-133).
3. SHALL contain at least one [1..\*] name (CONF:4383-130).
   1. Such names SHOULD contain zero or one [0..1] use, which SHALL be selected from ValueSet EntityNameUse urn:oid:2.16.840.1.113883.1.11.15913 (CONF:4383-134).
   2. Such names SHALL contain exactly one [1..1] family (CONF:4383-135).
   3. Such names SHALL contain at least one [1..\*] given (CONF:4383-136).
   4. Such names MAY contain zero or more [0..\*] suffix (CONF:4383-137).
4. SHOULD contain zero or more [0..\*] telecom (CONF:4383-131).
   1. The telecom, if present, SHALL contain exactly one [1..1] system (CONF:4383-138).
   2. The telecom, if present, SHALL contain exactly one [1..1] value (CONF:4383-139).
   3. The telecom, if present, SHOULD contain zero or one [0..1] use, which SHALL be selected from ValueSet Telecom Use (US Realm Header) urn:oid:2.16.840.1.113883.11.20.9.20 DYNAMIC (CONF:4383-140).
5. SHOULD contain zero or more [0..\*] address (CONF:4383-132).
   1. The address, if present, SHOULD contain zero or one [0..1] use, which SHALL be selected from ValueSet PostalAddressUse urn:oid:2.16.840.1.113883.1.11.10637 (CONF:4383-141).
   2. The address, if present, MAY contain zero or one [0..1] text (CONF:4383-142).
   3. The address, if present, SHOULD contain zero or more [0..\*] line (CONF:4383-143).
   4. The address, if present, SHOULD contain zero or one [0..1] city (CONF:4383-144).
   5. The address, if present, SHOULD contain zero or one [0..1] state (CONF:4383-145).
   6. The address, if present, SHOULD contain zero or one [0..1] postalCode (CONF:4383-146).
   7. The address, if present, MAY contain zero or one [0..1] country (CONF:4383-147).

# Template Ids in This Guide

Table 18: Template Containments

| Template Title | Template Type | templateId |
| --- | --- | --- |
| [BSeR Referral Feedback](#BSeR-Referral-Feedback) | Composition | http://hl7.org/phwg/bser/StructureDefinition/bser-referral-feedback |
| [BSeR Patient](#BSeR-Patient) | Patient | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient |
| [BSeR Practitioner](#BSeR-Practitioner) | Practitioner | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner |
| [BSeR Body Height Observation](#BSeR-Body-Height-Observation) | Observation | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-height-observation |
| [BSeR Body Weight Observation](#BSeR-Body-Weight-Observation) | Observation | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-weight-observation |
| [BSeR Body Mass Index Observation](#BSeR-Body-Mass-Index-Observation) | Observation | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-body-mass-index-observation |
| [BSeR Blood Pressure Observation](#BSeR-Blood-Pressure-Observation) | Observation | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-blood-pressure-observation |
| [BSeR Consent](#BSeR-Consent) | Consent | http://hl7.org/phwg/bser/StructureDefinition/bser-consent |
| [BSeR Patient](#BSeR-Patient) | Patient | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient |
| [BSeR Practitioner](#BSeR-Practitioner) | Practitioner | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner |
| [BSeR Related Person](#BSeR-Related-Person) | RelatedPerson | http://hl7.org/phwg/bser/StructureDefinition/bser-related-person |
| [BSeR Patient](#BSeR-Patient) | Patient | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient |
| [BSeR Coverage](#BSeR-Coverage) | Coverage | http://hl7.org/phwg/bser/StructureDefinition/bser-coverage |
| [BSeR Patient](#BSeR-Patient) | Patient | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient |
| [BSeR Related Person](#BSeR-Related-Person) | RelatedPerson | http://hl7.org/phwg/bser/StructureDefinition/bser-related-person |
| [BSeR Patient](#BSeR-Patient) | Patient | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient |
| [BSeR Organization](#BSeR-Organization) | Organization | http://hl7.org/phwg/bser/StructureDefinition/bser-organization |
| [BSeR Education Level](#BSeR-Education-Level) | Observation | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-education-level |
| [BSeR Patient](#BSeR-Patient) | Patient | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient |
| [BSeR Employment Status](#BSeR-Employment-Status) | Observation | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-PatientEmploymentStatus |
| [BSeR Patient](#BSeR-Patient) | Patient | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient |
| [BSeR Referring Provider](#BSeR-Referring-Provider) | PractitionerRole | http://hl7.org/phwg/bser/StructureDefinition/referringProvider |
| [BSeR Practitioner](#BSeR-Practitioner) | Practitioner | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner |
| [BSeR Organization](#BSeR-Organization) | Organization | http://hl7.org/phwg/bser/StructureDefinition/bser-organization |
| [BSeR Service Delivery Location](#BSeR-Service-Delivery-Location) | Location | http://hl7.org/phwg/bser/StructureDefinition/bser-service-delivery-location |
| [BSeR Servicing Provider](#BSeR_Servicing_Provider) | PractitionerRole | http://hl7.org/phwg/bser/StructureDefinition/servicingProvider |
| [BSeR Practitioner](#BSeR-Practitioner) | Practitioner | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner |
| [BSeR Organization](#BSeR-Organization) | Organization | http://hl7.org/phwg/bser/StructureDefinition/bser-organization |
| [BSeR Service Delivery Location](#BSeR-Service-Delivery-Location) | Location | http://hl7.org/phwg/bser/StructureDefinition/bser-service-delivery-location |
| [BSeR Referral Request](#BSeR-Referral-Request) | ReferralRequest | http://hl7.org/phwg/bser/StructureDefinition/bser-referral-request |
| [BSeR Patient](#BSeR-Patient) | Patient | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-patient |
| [BSeR Practitioner](#BSeR-Practitioner) | Practitioner | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner |
| [BSeR Practitioner](#BSeR-Practitioner) | Practitioner | http://hl7.org/fhir/phwg/bser/StructureDefinition/bser-practitioner |

# Code Systems in This Guide

Table 19: Code Systems

| Name | OID |
| --- | --- |
| HL7ActStatus | urn:oid:2.16.840.1.113883.5.14 |
| HL7AddressUse | urn:oid:2.16.840.1.113883.5.1119 |
| HL7AdministrativeGender | urn:oid:2.16.840.1.113883.5.1 |
| HL7EntityNameUse | urn:oid:2.16.840.1.113883.5.45 |
| HL7ObservationValue | urn:oid:2.16.840.1.113883.5.1063 |
| ISO 639-3 | urn:oid:1.0.639.3 |
| LOINC | urn:oid:2.16.840.1.113883.6.1 |
| SNOMED CT | urn:oid:2.16.840.1.113883.6.96 |
| UCUM | urn:oid:2.16.840.1.113883.6.8 |