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fixed="OP"/>
  </xs:complexType>
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minOccurs="0"/>
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maxOccurs="unbounded"/>
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type="POCD_MT000040.HealthCareFacility"/>
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fixed="LOC"/>
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minOccurs="0"/>
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maxOccurs="unbounded"/>
      <xs:element name="effectiveTime" type="IVL_TS" minOccurs="0"/>
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    <xs:attribute name="classCode" type="RoleClass" use="optional" fixed="MNT"/>
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  <xs:complexType name="POCD_MT000040.ManufacturedProduct">
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minOccurs="0"/>
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maxOccurs="unbounded"/>
      <xs:element name="id" type="II" minOccurs="0" maxOccurs="unbounded"/>
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type="POCD_MT000040.LabeledDrug"/>
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type="POCD_MT000040.Material"/>
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type="POCD_MT000040.Organization" minOccurs="0"/>
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maxOccurs="unbounded"/>
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            <xs:element name="name" type="EN" minOccurs="0"/>
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        </xs:sequence>
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        <xs:attribute name="classCode" type="EntityClassManufacturedMaterial"
use="optional" fixed="MMAT"/>
        <xs:attribute name="determinerCode" type="EntityDeterminerDetermined"
use="optional" fixed="KIND"/>
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maxOccurs="unbounded"/>
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        </xs:sequence>
        <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
        <xs:attribute name="classCode" type="ActClass" use="optional" fixed="DOCBODY"/>
        <xs:attribute name="moodCode" type="ActMood" use="optional" fixed="EVN"/>
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            <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="id" type="II" minOccurs="0" maxOccurs="unbounded"/>
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            <xs:element name="derivationExpr" type="ST" minOccurs="0"/>

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  <xs:element name="interpretationCode" type="CE" minOccurs="0"
maxOccurs="unbounded"/>
  <xs:element name="methodCode" type="CE" minOccurs="0"
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  <xs:element name="targetSiteCode" type="CD" minOccurs="0"
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  <xs:element name="performer" type="POCD_MT000040.Performer2"
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  <xs:element name="author" type="POCD_MT000040.Author" minOccurs="0"
maxOccurs="unbounded"/>
  <xs:element name="informant" type="POCD_MT000040.Informant12"
minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="participant" type="POCD_MT000040.Participant2"
minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="entryRelationship"
type="POCD_MT000040.EntryRelationship" minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="reference" type="POCD_MT000040.Reference"
minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="precondition" type="POCD_MT000040.Precondition"
minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="referenceRange" type="POCD_MT000040.ReferenceRange"
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</xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="classCode" type="ActClassObservation" use="required"/>
  <xs:attribute name="moodCode" type="x_ActMoodDocumentObservation"
use="required"/>
  <xs:attribute name="negationInd" type="bl" use="optional"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.ObservationMedia">
  <xs:sequence>
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        <xs:element name="languageCode" type="CS" minOccurs="0"/>
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minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="author" type="POCD_MT000040.Author" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="informant" type="POCD_MT000040.Informant12"
minOccurs="0" maxOccurs="unbounded"/>
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minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="entryRelationship"
type="POCD_MT000040.EntryRelationship" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="reference" type="POCD_MT000040.Reference"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="precondition" type="POCD_MT000040.Precondition"
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    </xs:sequence>
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    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="ActClassObservation" use="required"/>
    <xs:attribute name="moodCode" type="ActMood" use="required"/>
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minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="code" type="CD" minOccurs="0"/>
        <xs:element name="text" type="ED" minOccurs="0"/>
        <xs:element name="value" type="ANY" minOccurs="0"/>
        <xs:element name="interpretationCode" type="CE" minOccurs="0"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="ActClassObservation" use="optional"
default="OBS"/>
    <xs:attribute name="moodCode" type="ActMood" use="optional" fixed="EVN.CRT"/>
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minOccurs="0"/>

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        <xs:element name="templateId" type="II" minOccurs="0"
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        <xs:element name="code" type="CE" minOccurs="0"/>
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    <xs:attribute name="classCode" type="ActClassRoot" use="optional"
default="ACT"/>
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        <xs:element name="id" type="II" minOccurs="0" maxOccurs="unbounded"/>
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        <xs:element name="telecom" type="TEL" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="addr" type="AD" minOccurs="0" maxOccurs="unbounded"/>
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        <xs:element name="asOrganizationPartOf"
type="POCD_MT000040.OrganizationPartOf" minOccurs="0"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="EntityClassOrganization" use="optional"
fixed="ORG"/>
    <xs:attribute name="determinerCode" type="EntityDeterminer" use="optional"
fixed="INSTANCE"/>
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    <xs:sequence>
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        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
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maxOccurs="unbounded"/>
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        <xs:element name="effectiveTime" type="IVL_TS" minOccurs="0"/>
        <xs:element name="wholeOrganization" type="POCD_MT000040.Organization"
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    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
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      <xs:element name="templateId" type="II" minOccurs="0"
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      <xs:element name="statusCode" type="CS"/>
      <xs:element name="effectiveTime" type="IVL_TS" minOccurs="0"/>
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      <xs:element name="performer" type="POCD_MT000040.Performer2"
minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="author" type="POCD_MT000040.Author" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="informant" type="POCD_MT000040.Informant12"
minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="participant" type="POCD_MT000040.Participant2"
minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="reference" type="POCD_MT000040.Reference"
minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="precondition" type="POCD_MT000040.Precondition"
minOccurs="0" maxOccurs="unbounded"/>
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minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
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    <xs:attribute name="classCode" type="x_ActClassDocumentEntryOrganizer"
use="required"/>
    <xs:attribute name="moodCode" type="ActMood" use="required"/>
  </xs:complexType>
  <xs:complexType name="POCD_MT000040.ParentDocument">
    <xs:sequence>
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minOccurs="0"/>
      <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="id" type="II" maxOccurs="unbounded"/>
      <xs:element name="code" type="CD" minOccurs="0"/>
      <xs:element name="text" type="ED" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>

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        <xs:element name="setId" type="II" minOccurs="0"/>
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    <xs:attribute name="classCode" type="ActClinicalDocument" use="optional"
fixed="DOCCLIN"/>
    <xs:attribute name="moodCode" type="ActMood" use="optional" fixed="EVN"/>
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<xs:complexType name="POCD_MT000040.Participant1">
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minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="functionCode" type="CE" minOccurs="0"/>
        <xs:element name="time" type="IVL_TS" minOccurs="0"/>
        <xs:element name="associatedEntity"
type="POCD_MT000040.AssociatedEntity"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="typeCode" type="ParticipationType" use="required"/>
    <xs:attribute name="contextControlCode" type="ContextControl" use="optional"
fixed="OP"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.Participant2">
    <xs:sequence>
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maxOccurs="unbounded"/>
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minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="time" type="IVL_TS" minOccurs="0"/>
        <xs:element name="awarenessCode" type="CE" minOccurs="0"/>
        <xs:element name="participantRole"
type="POCD_MT000040.ParticipantRole"/>
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    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
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    <xs:attribute name="contextControlCode" type="ContextControl" use="optional"
fixed="OP"/>
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maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"

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minOccurs="0"/>
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maxOccurs="unbounded"/>
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    <xs:element name="code" type="CE" minOccurs="0"/>
    <xs:element name="addr" type="AD" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="telecom" type="TEL" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:choice>
        <xs:element name="playingDevice" type="POCD_MT000040.Device"
minOccurs="0"/>
        <xs:element name="playingEntity"
type="POCD_MT000040.PlayingEntity" minOccurs="0"/>
    </xs:choice>
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    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="RoleClassRoot" use="optional"
default="ROL"/>
    </xs:complexType>
    <xs:complexType name="POCD_MT000040.Patient">
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maxOccurs="unbounded"/>
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minOccurs="0"/>
            <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
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            <xs:element name="name" type="PN" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="administrativeGenderCode" type="CE" minOccurs="0"/>
            <xs:element name="birthTime" type="TS" minOccurs="0"/>
            <xs:element name="maritalStatusCode" type="CE" minOccurs="0"/>
            <xs:element name="religiousAffiliationCode" type="CE" minOccurs="0"/>
            <xs:element name="raceCode" type="CE" minOccurs="0"/>
            <xs:element name="ethnicGroupCode" type="CE" minOccurs="0"/>
            <xs:element name="guardian" type="POCD_MT000040.Guardian" minOccurs="0"
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type="POCD_MT000040.LanguageCommunication" minOccurs="0" maxOccurs="unbounded"/>
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fixed="INSTANCE"/>
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minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="id" type="II" maxOccurs="unbounded"/>
    <xs:element name="addr" type="AD" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="telecom" type="TEL" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="patient" type="POCD_MT000040.Patient" minOccurs="0"/>
    <xs:element name="providerOrganization"
type="POCD_MT000040.Organization" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="classCode" type="RoleClass" use="optional" fixed="PAT"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.Performer1">
  <xs:sequence>
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maxOccurs="unbounded"/>
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minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="functionCode" type="CE" minOccurs="0"/>
    <xs:element name="time" type="IVL_TS" minOccurs="0"/>
    <xs:element name="assignedEntity" type="POCD_MT000040.AssignedEntity"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="typeCode" type="x_ServiceEventPerformer" use="required"/>
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<xs:complexType name="POCD_MT000040.Performer2">
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maxOccurs="unbounded"/>
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minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="time" type="IVL_TS" minOccurs="0"/>
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    <xs:element name="assignedEntity" type="POCD_MT000040.AssignedEntity"/>
  </xs:sequence>
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use="optional" fixed="PRF"/>

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maxOccurs="unbounded"/>
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  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="classCode" type="EntityClass" use="optional" fixed="PSN"/>
  <xs:attribute name="determinerCode" type="EntityDeterminer" use="optional"
fixed="INSTANCE"/>
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<xs:complexType name="POCD_MT000040.Place">
  <xs:sequence>
    <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="name" type="EN" minOccurs="0"/>
    <xs:element name="addr" type="AD" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="classCode" type="EntityClassPlace" use="optional"
fixed="PLC"/>
  <xs:attribute name="determinerCode" type="EntityDeterminer" use="optional"
fixed="INSTANCE"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.PlayingEntity">
  <xs:sequence>
    <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="code" type="CE" minOccurs="0"/>
    <xs:element name="quantity" type="PQ" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="name" type="PN" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="desc" type="ED" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="classCode" type="EntityClassRoot" use="optional"

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default="ENT"/>
    <xs:attribute name="determinerCode" type="EntityDeterminer" use="optional"
fixed="INSTANCE"/>
    </xs:complexType>
    <xs:complexType name="POCD_MT000040.Precondition">
        <xs:sequence>
            <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
            <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="criterion" type="POCD_MT000040.Criterion"/>
        </xs:sequence>
        <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
        <xs:attribute name="typeCode" type="ActRelationshipType" use="optional"
fixed="PRCN"/>
    </xs:complexType>
    <xs:complexType name="POCD_MT000040.Procedure">
        <xs:sequence>
            <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
            <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="id" type="II" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="code" type="CD" minOccurs="0"/>
            <xs:element name="text" type="ED" minOccurs="0"/>
            <xs:element name="statusCode" type="CS" minOccurs="0"/>
            <xs:element name="effectiveTime" type="IVL_TS" minOccurs="0"/>
            <xs:element name="priorityCode" type="CE" minOccurs="0"/>
            <xs:element name="languageCode" type="CS" minOccurs="0"/>
            <xs:element name="methodCode" type="CE" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="approachSiteCode" type="CD" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="targetSiteCode" type="CD" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="subject" type="POCD_MT000040.Subject" minOccurs="0"/>
            <xs:element name="specimen" type="POCD_MT000040.Specimen" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="performer" type="POCD_MT000040.Performer2"
minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="author" type="POCD_MT000040.Author" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element name="informant" type="POCD_MT000040.Informant12"
minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="participant" type="POCD_MT000040.Participant2"

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minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="entryRelationship"
type="POCD_MT000040.EntryRelationship" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="reference" type="POCD_MT000040.Reference"
minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="precondition" type="POCD_MT000040.Precondition"
minOccurs="0" maxOccurs="unbounded"/>
</xs:sequence>
<xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
<xs:attribute name="classCode" type="ActClass" use="required"/>
<xs:attribute name="moodCode" type="x_DocumentProcedureMood" use="required"/>
<xs:attribute name="negationInd" type="bl" use="optional"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.Product">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="manufacturedProduct"
type="POCD_MT000040.ManufacturedProduct"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="typeCode" type="ParticipationType" use="optional"
fixed="PRD"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.RecordTarget">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="patientRole" type="POCD_MT000040.PatientRole"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="typeCode" type="ParticipationType" use="optional"
fixed="RCT"/>
    <xs:attribute name="contextControlCode" type="ContextControl" use="optional"
fixed="OP"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.Reference">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"

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minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="seperatableInd" type="BL" minOccurs="0"/>
    <xs:choice>
        <xs:element name="externalAct"
type="POCD_MT000040.ExternalAct"/>
        <xs:element name="externalObservation"
type="POCD_MT000040.ExternalObservation"/>
        <xs:element name="externalProcedure"
type="POCD_MT000040.ExternalProcedure"/>
        <xs:element name="externalDocument"
type="POCD_MT000040.ExternalDocument"/>
    </xs:choice>
</xs:sequence>
<xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
<xs:attribute name="typeCode" type="x_ActRelationshipExternalReference"
use="required"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.ReferenceRange">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="observationRange"
type="POCD_MT000040.ObservationRange"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="typeCode" type="ActRelationshipType" use="optional"
fixed="REFV"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.RegionOfInterest.value">
    <xs:complexContent>
        <xs:extension base="INT">
            <xs:attribute name="unsorted" type="xs:boolean"
default="false"/>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="POCD_MT000040.RegionOfInterest">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"

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maxOccurs="unbounded"/>
  <xs:element name="id" type="II" maxOccurs="unbounded"/>
  <xs:element name="code" type="CS"/>
  <xs:element name="value" type="POCD_MT000040.RegionOfInterest.value"
maxOccurs="unbounded"/>
  <xs:element name="subject" type="POCD_MT000040.Subject" minOccurs="0"/>
  <xs:element name="specimen" type="POCD_MT000040.Specimen" minOccurs="0"
maxOccurs="unbounded"/>
  <xs:element name="performer" type="POCD_MT000040.Performer2"
minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="author" type="POCD_MT000040.Author" minOccurs="0"
maxOccurs="unbounded"/>
  <xs:element name="informant" type="POCD_MT000040.InformantI2"
minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="participant" type="POCD_MT000040.Participant2"
minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="entryRelationship"
type="POCD_MT000040.EntryRelationship" minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="reference" type="POCD_MT000040.Reference"
minOccurs="0" maxOccurs="unbounded"/>
  <xs:element name="precondition" type="POCD_MT000040.Precondition"
minOccurs="0" maxOccurs="unbounded"/>
</xs:sequence>
<xs:attribute name="ID" type="xs:ID"/>
<xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
<xs:attribute name="classCode" type="ActClass" use="required" fixed="R01OVL"/>
<xs:attribute name="moodCode" type="ActMood" use="required" fixed="EVN"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.RelatedDocument">
  <xs:sequence>
    <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="parentDocument" type="POCD_MT000040.ParentDocument"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="typeCode" type="x_ActRelationshipDocument" use="required"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.RelatedEntity">
  <xs:sequence>
    <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>

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        <xs:element name="code" type="CE" minOccurs="0"/>
        <xs:element name="addr" type="AD" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="telecom" type="TEL" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="effectiveTime" type="IVL_TS" minOccurs="0"/>
        <xs:element name="relatedPerson" type="POCD_MT000040.Person"
minOccurs="0"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="RoleClassMutualRelationship"
use="required"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.RelatedSubject">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="code" type="CE" minOccurs="0"/>
        <xs:element name="addr" type="AD" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="telecom" type="TEL" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="subject" type="POCD_MT000040.SubjectPerson"
minOccurs="0"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="x_DocumentSubject" use="optional"
default="PRS"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.ResponsibleParty">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="assignedEntity" type="POCD_MT000040.AssignedEntity"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="typeCode" type="ParticipationType" use="optional"
fixed="RESP"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.Section">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>

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    <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="id" type="II" minOccurs="0"/>
    <xs:element name="code" type="CE" minOccurs="0"/>
    <xs:element name="title" type="ST" minOccurs="0"/>
    <xs:element name="text" type="StrucDoc.Text" minOccurs="0"/>
    <xs:element name="confidentialityCode" type="CE" minOccurs="0"/>
    <xs:element name="languageCode" type="CS" minOccurs="0"/>
    <xs:element name="subject" type="POCD_MT000040.Subject" minOccurs="0"/>
    <xs:element name="author" type="POCD_MT000040.Author" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="informant" type="POCD_MT000040.Informant12"
minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="entry" type="POCD_MT000040.Entry" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="component" type="POCD_MT000040.Component5"
minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="ID" type="xs:ID"/>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="ActClass" use="optional" fixed="DOCSECT"/>
    <xs:attribute name="moodCode" type="ActMood" use="optional" fixed="EVN"/>
  </xs:complexType>
  <xs:complexType name="POCD_MT000040.ServiceEvent">
    <xs:sequence>
      <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
      <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="id" type="II" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="code" type="CE" minOccurs="0"/>
      <xs:element name="effectiveTime" type="IVL_TS" minOccurs="0"/>
      <xs:element name="performer" type="POCD_MT000040.Performer1"
minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="ActClassRoot" use="optional"
default="ACT"/>
    <xs:attribute name="moodCode" type="ActMood" use="optional" fixed="EVN"/>
  </xs:complexType>
  <xs:complexType name="POCD_MT000040.Specimen">
    <xs:sequence>
      <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"

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minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="specimenRole" type="POCD_MT000040.SpecimenRole"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="typeCode" type="ParticipationType" use="optional"
fixed="SPC"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.SpecimenRole">
  <xs:sequence>
    <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="id" type="II" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="specimenPlayingEntity"
type="POCD_MT000040.PlayingEntity" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="classCode" type="RoleClassSpecimen" use="optional"
fixed="SPEC"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.StructuredBody">
  <xs:sequence>
    <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="confidentialityCode" type="CE" minOccurs="0"/>
    <xs:element name="languageCode" type="CS" minOccurs="0"/>
    <xs:element name="component" type="POCD_MT000040.Component3"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="classCode" type="ActClass" use="optional" fixed="DOCBODY"/>
  <xs:attribute name="moodCode" type="ActMood" use="optional" fixed="EVN"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.Subject">
  <xs:sequence>
    <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
    <xs:element name="templateId" type="II" minOccurs="0"

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maxOccurs="unbounded"/>
    <xs:element name="awarenessCode" type="CE" minOccurs="0"/>
    <xs:element name="relatedSubject" type="POCD_MT000040.RelatedSubject"/>
  </xs:sequence>
  <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
  <xs:attribute name="typeCode" type="ParticipationTargetSubject" use="optional"
fixed="SBJ"/>
    <xs:attribute name="contextControlCode" type="ContextControl" use="optional"
fixed="OP"/>
  </xs:complexType>
  <xs:complexType name="POCD_MT000040.SubjectPerson">
    <xs:sequence>
      <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
      <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="name" type="PN" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="administrativeGenderCode" type="CE" minOccurs="0"/>
      <xs:element name="birthTime" type="TS" minOccurs="0"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="EntityClass" use="optional" fixed="PSN"/>
    <xs:attribute name="determinerCode" type="EntityDeterminer" use="optional"
fixed="INSTANCE"/>
  </xs:complexType>
  <xs:complexType name="POCD_MT000040.SubstanceAdministration">
    <xs:sequence>
      <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
      <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="id" type="II" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="code" type="CD" minOccurs="0"/>
      <xs:element name="text" type="ED" minOccurs="0"/>
      <xs:element name="statusCode" type="CS" minOccurs="0"/>
      <xs:element name="effectiveTime" type="SXCM_TS" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="priorityCode" type="CE" minOccurs="0"/>
      <xs:element name="repeatNumber" type="IVL_INT" minOccurs="0"/>
      <xs:element name="routeCode" type="CE" minOccurs="0"/>
      <xs:element name="approachSiteCode" type="CD" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="doseQuantity" type="IVL_PQ" minOccurs="0"/>
      <xs:element name="rateQuantity" type="IVL_PQ" minOccurs="0"/>
      <xs:element name="maxDoseQuantity" type="RTO_PQ_PQ" minOccurs="0"/>

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        <xs:element name="administrationUnitCode" type="CE" minOccurs="0"/>
        <xs:element name="subject" type="POCD_MT000040.Subject" minOccurs="0"/>
        <xs:element name="specimen" type="POCD_MT000040.Specimen" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="consumable" type="POCD_MT000040.Consumable"/>
        <xs:element name="performer" type="POCD_MT000040.Performer2"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="author" type="POCD_MT000040.Author" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="informant" type="POCD_MT000040.Informant12"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="participant" type="POCD_MT000040.Participant2"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="entryRelationship"
type="POCD_MT000040.EntryRelationship" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="reference" type="POCD_MT000040.Reference"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="precondition" type="POCD_MT000040.Precondition"
minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="ActClass" use="required" fixed="SBADM"/>
    <xs:attribute name="moodCode" type="x_DocumentSubstanceMood" use="required"/>
    <xs:attribute name="negationInd" type="bl" use="optional"/>
</xs:complexType>
<xs:complexType name="POCD_MT000040.Supply">
    <xs:sequence>
        <xs:element name="realmCode" type="CS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="typeId" type="POCD_MT000040.InfrastructureRoot.typeId"
minOccurs="0"/>
        <xs:element name="templateId" type="II" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="id" type="II" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="code" type="CD" minOccurs="0"/>
        <xs:element name="text" type="ED" minOccurs="0"/>
        <xs:element name="statusCode" type="CS" minOccurs="0"/>
        <xs:element name="effectiveTime" type="SXCM_TS" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="priorityCode" type="CE" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="repeatNumber" type="IVL_INT" minOccurs="0"/>
        <xs:element name="independentInd" type="BL" minOccurs="0"/>
        <xs:element name="quantity" type="PQ" minOccurs="0"/>
        <xs:element name="expectedUseTime" type="IVL_TS" minOccurs="0"/>
        <xs:element name="subject" type="POCD_MT000040.Subject" minOccurs="0"/>
        <xs:element name="specimen" type="POCD_MT000040.Specimen" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="product" type="POCD_MT000040.Product" minOccurs="0"/>
    
```

```

        <xs:element name="performer" type="POCD_MT000040.Performer2"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="author" type="POCD_MT000040.Author" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="informant" type="POCD_MT000040.Informant12"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="participant" type="POCD_MT000040.Participant2"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="entryRelationship"
type="POCD_MT000040.EntryRelationship" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="reference" type="POCD_MT000040.Reference"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="precondition" type="POCD_MT000040.Precondition"
minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="nullFlavor" type="NullFlavor" use="optional"/>
    <xs:attribute name="classCode" type="ActClassSupply" use="required"
fixed="SPLY"/>
    <xs:attribute name="moodCode" type="x_DocumentSubstanceMood" use="required"/>
</xs:complexType>
</xs:schema>

```

7.

## 8. 検討事項

- 1、J-MIXにおいて正式に付けられているコードは詳細情報項目（エレメント情報）である。今回の報告では、J-MIXの細分類情報項目を「Section」クラスにて表現したが、この細分類情報項目にはコードが正式に付けられていないため、HL7CDAでの記載ルールに必要なSectionの「Code」とその属性情報を指定できないため、実際にXMLの作成時にはコードの指定が必要である。  
大分類項目番号と細分類項目番号を組み合わせたコード作成し、これを設定するなどルール作りが必要である。
- 2、今回使用したCDAのR-MIMでは医療機関における診療科を表現することができず、モデルを変更する必要がある。
- 3、J-MIX大分類項目のb「母体情報」に含まれる詳細情報を表現するには、情報の関係から「Section」クラス内の「Subject」クラスの仕様が適合すると考えられるが、この「Subject」クラスには対象を表現する「ID」の要素を持っていないため、情報項目「母体ID」を直接クラス内に表現できなかった。メッセージの形態として、「Participant」クラスにて母体を表現し「母体ID」を設定することにより関係を示すことにしたが、「Subject」クラスに「ID」を設定したほうがモデルとしてわかりやすいと考える。
- 4、医療機関コードにおいてはOIDを持つコード体系がない。ローカルのルールとして、「都道府県コード+（都道府県にて管理されている）医療機関コード」にてユニークにできるが、正式なコード体系が必要である。