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<?xml version="1.0"?>

<xs:schema attributeFormDefault="unqualified"
elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/
XMLSchema">
    <xs:element name="renalpatientview">
        <xs:annotation>
            <xs:documentation>Renal Patient View
Version 4.4</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:sequence>
                <xs:element maxOccurs="1"
minOccurs="1" name="sequence">
                    <xs:simpleType>
                        <xs:restriction
base="xs:integer">
                            <xs:minInclusive value="000000"/>
                            <xs:maxInclusive value="999999"/>
                            <xs:totalDigits value="6"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element maxOccurs="1"
minOccurs="1" name="dateofreport" type="xs:dateTime"/>
                <xs:element maxOccurs="1"
minOccurs="1" name="flag" type="rpv_status"/>
                <xs:element maxOccurs="1"
minOccurs="1" name="centredetails">
                    <xs:complexType>
                        <xs:sequence>
                            <xs:element maxOccurs="1" minOccurs="1" name="centrecode"
type="xs:string"/>
                            <xs:element maxOccurs="1" minOccurs="1" name="centrename">
                                <xs:simpleType>
                                    <xs:restriction base="xs:string">
                                        <xs:maxLength value="30"/>
                                    </xs:restriction>
                                </xs:simpleType>
                            </xs:element>
                            <xs:element maxOccurs="1" minOccurs="0" name="centreadress1">

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<xs:simpleType>
    <xs:restriction base="xs:string">
        <xs:maxLength value="30"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element maxOccurs="1" minOccurs="0" name="centreadress2">
<xs:simpleType>
    <xs:restriction base="xs:string">
        <xs:maxLength value="30"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element maxOccurs="1" minOccurs="0" name="centreadress3">
<xs:simpleType>
    <xs:restriction base="xs:string">
        <xs:maxLength value="30"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element maxOccurs="1" minOccurs="0" name="centreadress4">
<xs:simpleType>
    <xs:restriction base="xs:string">
        <xs:maxLength value="30"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
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<xs:element maxOccurs="1" minOccurs="0" name="centrepostcode">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="10"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element maxOccurs="1" minOccurs="0" name="centretelephone">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="30"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element maxOccurs="1" minOccurs="0" name="centreemail">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="100"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element maxOccurs="1"
minOccurs="0" name="gpdetails">
  <xs:complexType>
    <xs:sequence>
      <xs:element maxOccurs="1"
minOccurs="0" name="gpname">
        <xs:simpleType>
          <xs:restriction base="xs:string">

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                <xs:maxLength value="30"/>
            </xs:restriction>
        </xs:simpleType>
        <xs:element>
            <xs:element maxOccurs="1" minOccurs="0" name="gpaddress1">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="30"/>
                    </xs:restriction>
                </xs:simpleType>
            <xs:element maxOccurs="1" minOccurs="0" name="gpaddress2">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="30"/>
                    </xs:restriction>
                </xs:simpleType>
            <xs:element maxOccurs="1" minOccurs="0" name="gpaddress3">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="30"/>
                    </xs:restriction>
                </xs:simpleType>
            <xs:element maxOccurs="1" minOccurs="0" name="gppostcode">
                <xs:simpleType>
```

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        <xs:restriction base="xs:string">
            <xs:maxLength value="30"/>
        </xs:restriction>
    </xs:simpleType>
    </xs:element>
    <xs:element maxOccurs="1" minOccurs="0" name="gptelephone">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element maxOccurs="1" minOccurs="0" name="gpemail">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element maxOccurs="1" minOccurs="1" name="personaldetails">
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="1" minOccurs="1"
name="surname">

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        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element maxOccurs="1" minOccurs="1"
name="forename">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element maxOccurs="1" minOccurs="1"
name="dateofbirth" type="xs:date"/>
    <xs:element maxOccurs="1" minOccurs="1" name="sex"
type="sex"/>
    <xs:element maxOccurs="1" minOccurs="1"
name="nhsno">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:whiteSpace
value="collapse"/>
                <xs:length value="10"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>

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        <xs:element maxOccurs="1" minOccurs="0"
name="ethnicorigin" type="xs:string"/>
        <xs:element maxOccurs="1" minOccurs="0"
name="hospitalnumber">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="30"/
>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element maxOccurs="1" minOccurs="0"
name="address1">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="30"/
>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element maxOccurs="1" minOccurs="0"
name="address2">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="30"/
>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element maxOccurs="1" minOccurs="0"
name="address3">

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        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/
>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element maxOccurs="1" minOccurs="0"
name="address4">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/
>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element maxOccurs="1" minOccurs="0"
name="postcode">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="10"/
>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element maxOccurs="1" minOccurs="0"
name="telephone1">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/
>

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                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element maxOccurs="1" minOccurs="0"
name="telephone2">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="30"/
>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element maxOccurs="1" minOccurs="0"
name="mobile">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="30"/
>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
</
xs:element>
<xs:element maxOccurs="1" minOccurs="1" name="clinicaldetails">
<xs:complexType>
    <xs:sequence>
        <xs:element maxOccurs="1" minOccurs="0"
name="rrtstatus" type="rrtstatus"/>

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        <xs:element maxOccurs="1" minOccurs="0"
name="tpstatus">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="15"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element maxOccurs="1" minOccurs="0"
name="diagnosisedta">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="5"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element maxOccurs="unbounded" minOccurs="0"
name="diagnosis" type="rpv_diagnosis"/>
        <xs:element minOccurs="0" name="bloodgroup">
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="30"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>

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<xs:element maxOccurs="1" minOccurs="0" name="testdetails">
  <xs:complexType>
    <xs:sequence>
      <xs:element maxOccurs="unbounded" minOccurs="1"
name="test">
        <xs:complexType>
          <xs:sequence>
            <xs:element maxOccurs="1"
minOccurs="1" name="testname">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="40"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element maxOccurs="1"
minOccurs="1" name="testcode" type="testcode"/>
            <xs:element maxOccurs="1"
minOccurs="1" name="units">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="20"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element maxOccurs="1"

```



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        </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element maxOccurs="1" minOccurs="0" name="drugdetails">
<xs:complexType>
    <xs:sequence>
        <xs:element maxOccurs="unbounded" minOccurs="1"
name="drug">
            <xs:complexType>
                <xs:sequence>
                    <xs:element maxOccurs="1"
minOccurs="1" name="drugstartdate" type="xs:date"/>
                    <xs:element maxOccurs="1"
minOccurs="1" name="drugname">
                        <xs:simpleType>
                            <xs:restriction base="xs:string">
                                <xs:maxLength value="30"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element maxOccurs="1"
minOccurs="1" name="drugdose" type="xs:string"/>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

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```

        </xs:complexType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</
xs:element>
<xs:element maxOccurs="1" minOccurs="0" name="letterdetails">
<xs:complexType>
    <xs:sequence>
        <xs:element maxOccurs="unbounded" minOccurs="1"
name="letter">
            <xs:complexType>
                <xs:sequence>
                    <xs:element maxOccurs="1"
minOccurs="1" name="letterdate" type="xs:date"/>
                    <xs:element maxOccurs="1"
minOccurs="1" name="lettertype">
                        <xs:simpleType>
                            <xs:restriction base="xs:string">
                                <xs:maxLength value="30"/>
                            </
xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element maxOccurs="1"
minOccurs="1" name="lettercontent" type="xs:string">
                        <xs:annotation>
                            <xs:documentation>
Letter content should be sent as a CDATA section to avoid parsing
errors. E.g.<![CDATA[ and end with the string ]]>

```



```

    <xs:restriction base="xs:string">
      <xs:enumeration value="M"/>
      <xs:enumeration value="F"/>
      <xs:enumeration value="U"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="testcode">
    <xs:annotation>
      <xs:documentation>Test codes. Ciclosporin,
tacrolimus and sirolimus are drug levels. PCR is protein-creatinine
ratio. ACR is albumin creatinine ratio.</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:enumeration value="hb"/>
      <xs:enumeration value="wbc"/>
      <xs:enumeration value="platelets"/>
      <xs:enumeration value="urea"/>
      <xs:enumeration value="creatinine"/>
      <xs:enumeration value="potassium"/>
      <xs:enumeration value="calcium"/>
      <xs:enumeration value="adjustedcalcium"/>
      <xs:enumeration value="phosphate"/>
      <xs:enumeration value="albumin"/>
      <xs:enumeration value="crp"/>
      <xs:enumeration value="pth"/>
      <xs:enumeration value="cholesterol"/>
      <xs:enumeration value="tg"/>
      <xs:enumeration value="glucose"/>
      <xs:enumeration value="hba1c"/>
      <xs:enumeration value="egfr"/>
      <xs:enumeration value="hco3"/>
      <xs:enumeration value="inr"/>
      <xs:enumeration value="sodium"/>
      <xs:enumeration value="pcr"/>
      <xs:enumeration value="acr"/>
      <xs:enumeration value="urr"/>
      <xs:enumeration value="ktv"/>
      <xs:enumeration value="ciclosporin"/>
      <xs:enumeration value="tacrolimus"/>
      <xs:enumeration value="sirolimus"/>
      <xs:enumeration value="bpsys"/>
      <xs:enumeration value="bpdia"/>
      <xs:enumeration value="height"/>
      <xs:enumeration value="weight"/>
      <xs:enumeration value="bili"/>
      <xs:enumeration value="ast"/>
      <xs:enumeration value="alt"/>
      <xs:enumeration value="alp"/>
      <xs:enumeration value="ggt"/>
      <xs:enumeration value="ferritin"/>
      <xs:enumeration value="iron"/>
      <xs:enumeration value="transferrin"/>
      <xs:enumeration value="ironsat"/>
      <xs:enumeration value="urate"/>
    </xs:restriction>
  </xs:simpleType>

```



```

        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="prepost">
        <xs:annotation>
            <xs:documentation>Pre or Post Dialysis
Result</xs:documentation>
        </xs:annotation>
        <xs:restriction base="xs:string">
            <xs:enumeration value="PRE"/>
            <xs:enumeration value="POST"/>
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="rrtstatus">
        <xs:annotation>
            <xs:documentation>RRT Treatment Modality</
xs:documentation>
        </xs:annotation>
        <xs:restriction base="xs:string">
            <xs:enumeration value="HD"/>
            <xs:enumeration value="PD"/>
            <xs:enumeration value="TP"/>
            <xs:enumeration value="PRE"/>
        </xs:restriction>
    </xs:simpleType>
</xs:schema>

```