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<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSpy v2008 sp1 (http://www.altova.com) by MediKredit (MediKredit) -->
<!--
Updates (08/06/2021):
1. Increased field length of address lines from 30 to 50 characters, tag: Address;
subtags: AddressLine1; AddressLine2; AddressLine3; AddressLine4
2. Changed 'Citizen' tag from mandatory to optional, tag: PatientReferenceData; subtag:
Citizen
3. Changed 'SchemeName' tag length from 30 to 50 characters, tag: MedicalScheme; subtag:
SchemeName
4. Changed 'Status' tag from mandatory to optional, tag: PatientReferenceData; subtag:
Status
5. Hospitalisation contact name changed from mandatory to optional, tag: HospitalContact;
sub-tag: ContactName
6. Hospitalisation contact number changed from optional to mandatory, tag:
HospitalContact, sub-tag: ContactNumber
7. Addition of following notifiable medical condition (NMC): SARS-CoV-2, tag:
DiagnosisInfo; subtag: NotifiableCondition
8. Corrected spelling of 'Free State' and 'KwaZulu-Natal', tag: PatientAddress; sub-tag:
AddressLine5
9. Moved outpatient tag to be separate from hospitalisation tag, tag: Outpatient
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Updates (14/04/2022):
1. Addition of following notifiable medical condition (NMC): Maternal death (pregnancy,
childbirth and puerperium)
2. Contact Number was made optional for all of the following:
a. Data Supplier
b. Provider
c. Patient
d. Hospital
3. Increased field length of email address from 50 to 100 characters
4. Split Category 4, Condition 1 list into 6 separate notifiable conditions, nl:
a. Carbapenemase-producing Enterobacteriaceae
b. Vancomycin-resistant enterococci
c. Staphylococcus aureus: hGISA and GISA
d. Colistin-resistant Pseudomonas aeruginosa
e. Colistin-resistant Acinetobacter baumannii
f. Clostridium difficile
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Updates (24/08/2022):
Changes made to Notifiable Condition list:
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1. Additions:
 - Novel or new world arenaviruses
 - COVID-19
 - MIS-C
 - Monkeypox
2. Conditions split into multiple variants:
 - Food borne illness outbreak
 - Ebola Virus (VHF)

Marburg Virus (VHF)
 Lassa Fever Virus (VHF)
 Lujo Virus(VHF)
 Crimean-Congo viral haemorrhagic fever (human)
 Waterborne illness outbreak - UNDEFINED
 MDR Gonorrhoea
 Endemic arboviral diseases West Nile Virus
 Endemic arboviral diseases Sindbis Virus
 Endemic arboviral diseases Chikungunya virus
 Non-Endemic arboviral diseases : Dengue Fever Virus
 Non-Endemic Arboviral Diseases: Zika Virus
 XDR Gonorrhoea
 Non-African Hemorrhagic Fevers

3. Conditions with name changes:

Rabies
 Bilharzia (schistosomiasis)
 Tuberculosis:extra-pulmonary
 Tuberculosis:pulmonary
 Tuberculosis: multidrug- resistant (MDR -TB)
 Tuberculosis: extensively drug -resistant (XDR -TB)
 Haemolytic uraemic syndrome (HUS)
 Non-typhoidal Salmonellosis
 Carbapenemase-producing Enterobacteriaceae

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<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xs:complexType name="Address">
    <xs:sequence>
      <xs:element name="AddressLine1" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Building name</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="AddressLine2" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Street Name and Number OR Postal address</
xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

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<xs:element name="AddressLine3" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Suburb</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="AddressLine4" minOccurs="0">
  <xs:annotation>
    <xs:documentation>City or Town</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="AddressLine5" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Province</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Gauteng"/>
      <xs:enumeration value="North West"/>
      <xs:enumeration value="Limpopo"/>
      <xs:enumeration value="Mpumalanga"/>
      <xs:enumeration value="Northern Cape"/>
      <xs:enumeration value="Western Cape"/>
      <xs:enumeration value="Eastern Cape"/>
      <xs:enumeration value="KwaZulu-Natal"/>
      <xs:enumeration value="Free State"/>
      <xs:enumeration value="Other"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="AddressLine6" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Postal Code</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="10"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
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</xs:complexType>
<xs:complexType name="Contact">
  <xs:sequence>
    <xs:element name="ContactName" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The name of the person who may be contacted if further information or clarification is required</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="100"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="ContactNumber" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The telephone or cellphone number of the person who may be contacted. International standards country code, Area Code and Telephone Number, e.g. +27 11 770 6000</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="12"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="ContactEmail" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The email address of the person who may be contacted</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="100"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="TestInformation">
  <xs:sequence>
    <xs:element name="SpecimenInfo" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Tag may be repeated multiple times</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="SpecimenType">
            <xs:annotation>

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        <xs:documentation>Type of specimen which was collected
from the patient, e.g. blood</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="100"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="SpecimenDate">
    <xs:annotation>
        <xs:documentation>Date the specimen was collected. Format
CCYYMMDD</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xs:maxInclusive value="99999999"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="TestData" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="TestCode">
                <xs:annotation>
                    <xs:documentation>Testing Code used according to dataset
used</xs:documentation>
                </xs:annotation>
            </xs:element>
            <xs:element name="TestCodeType">
                <xs:annotation>
                    <xs:documentation>The dataset to which the test code
belongs to, e.g. LOINC, etc</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="30"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="TestCodeValue">
                <xs:annotation>
                    <xs:documentation>Result value of test code</
xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">

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        <xs:maxLength value="100"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="ResultData">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="ResultType">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="100"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="ResultValue">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="100"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="ResultUnits" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="30"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="ResultFlag" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="10"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="ResultRange" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="100"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="SpecimenComments" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="250"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ExtendedTestData"
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type="TestInformation" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:element name="PHISCNCDDATA">
  <xs:annotation>
    <xs:documentation>PHISC NCD XSD</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DataSupplierInfo">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="SubmissionDate">
              <xs:annotation>
                <xs:documentation>The date on which the information
is submitted to NICD. Format CCYYMMDD</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:long">
                  <xs:maxInclusive value="99999999"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="DataProviderName">
              <xs:annotation>
                <xs:documentation>The Name of the Provider or Entity
who is submitting the data</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="100"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="DataEntity">
              <xs:annotation>
                <xs:documentation>This is to define the data provider
type, e.g. Scheme, Administrator, Switch, Vendor, etc. Following enumerations are
allowed:
Practitioner = Healthcare Provider
Laboratory = Medical Laboratory
Hospital = Hospital or Clinic
Administrator = Medical Scheme Administrator
DataSwitch = Electronic data switching company
              </xs:documentation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

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Other = Any other</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:enumeration value="Practitioner"/>
            <xs:enumeration value="Laboratory"/>
            <xs:enumeration value="Hospital"/>
            <xs:enumeration value="Administrator"/>
            <xs:enumeration value="DataSwitch"/>
            <xs:enumeration value="Other"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="DataSupplierContact" type="Contact"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>The person at the Data Supplier who
can be contacted by the NICD if further information or clarification is required</
xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ProviderInfo">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="ProviderName">
                <xs:annotation>
                    <xs:documentation>This is the name of the Healthcare
Provider who treated / provided the Healthcare service to the patient.</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="100"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="ProviderNumber" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>The Healthcare Provider's PCNS
registration number. Note that ALL 13-digits of the PCNS number MUST be included without
any spaces or other punctuation marks and keeping the leading zero's intact.</
xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="18"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

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    </xs:element>
    <xs:element name="ProviderHPCSA" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Where applicable, the HPCSA number
of the Healthcare Provider</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="ProviderDiscipline" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The discipline code of the
Healthcare Provider, e.g. 014</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:maxInclusive value="999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="ProviderContact" type="Contact"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>The person at the Healthcare
Provider who can be contacted by the NICD if further information or clarification is
required</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ProviderAddress" type="Address"
minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="PatientInfo">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="PatientName">
        <xs:annotation>
          <xs:documentation>Patient's first name or initials</
xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>

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<xs:element name="PatientSurname">
  <xs:annotation>
    <xs:documentation>Patient's surname</
xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="PatientDOB" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Patient's date of birth. Format
CCYYMMDD</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:long">
      <xs:maxInclusive value="99999999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="PatientAge" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Patient's age</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:maxInclusive value="200"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="PatientGender" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Patient gender, where available.
Indicators:      M = Male
                 F = Female
                 U = Unknown / Not disclosed</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="M"/>
      <xs:enumeration value="F"/>
      <xs:enumeration value="U"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="PatientRace" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Patient race indicator, where

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available. Indicators:

A = Asian

B = Black

C = Coloured

I = Indian

W = White

O = Other / Not disclosed

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</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="A"/>
      <xs:enumeration value="B"/>
      <xs:enumeration value="C"/>
      <xs:enumeration value="I"/>
      <xs:enumeration value="W"/>
      <xs:enumeration value="O"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="PatientReferenceData" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="PatientReference"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Healthcare Provider's
File / Reference number for the Patient.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="20"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="HPRS" minOccurs="0">
        <xs:annotation>
          <xs:documentation>DOH HPRS (Health
Patient Registration System) number</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="20"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="PatientID" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Patient South African
Identification or Passport number or, if available, alternate ID</xs:documentation>
        </xs:annotation>

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        <xs:complexType>
          <xs:sequence>
            <xs:element
name="IdentificationType">
              <xs:annotation>
                <xs:documentation>Indication
whether the identification type is an ID number or Passport number
I = ID
P = Passport</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction
base="xs:string">
                  <xs:enumeration
value="I"/>
                  <xs:enumeration
value="P"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element
name="IdentificationNumber">
              <xs:annotation>
                <xs:documentation>The
relevant patient ID or Passport number</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction
base="xs:string">
                  <xs:maxLength value="20"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="Nationality" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Patient's nationality,
if available</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Citizen" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Is the patient a
citizen of South Africa. Indicators:
Y = Yes
N = No</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:annotation>

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```

        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="Y"/>
            <xs:enumeration value="N"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Status" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indicate whether the
patient permanently resides in South Africa or is on holiday or business trip.
Indicators:      R = Resides      H = Holiday      B = Business</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="R"/>
            <xs:enumeration value="H"/>
            <xs:enumeration value="B"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Pregnant" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Is the patient pregnant at time of
diagnosis. Required for female patients only. Indicators:
Y = Yes
N = No
U = Data Unavailable</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Y"/>
      <xs:enumeration value="N"/>
      <xs:enumeration value="U"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="ImmunisationHistory" minOccurs="0">
  <xs:annotation>
    <xs:documentation>What is the patient's vaccination
status</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Compliant">
        <xs:annotation>
          <xs:documentation>Options:

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N = Not Vaccinated
 S = Some Vaccinated
 U = Up to date
 K = Unknown

</xs:documentation>

```
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:enumeration value="N"/>
    <xs:enumeration value="S"/>
    <xs:enumeration value="U"/>
    <xs:enumeration value="K"/>
  </xs:restriction>
</xs:simpleType>
```

</xs:element>

```
<xs:element name="NonComplianceReason"
  minOccurs="0">
```

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  <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 name="ContactData" minOccurs="0" maxOccurs="4">
```

<xs:annotation>

<xs:documentation>Sequence may be repeated as

required

</xs:annotation>

<xs:complexType>

<xs:complexContent>

<xs:extension base="Contact">

<xs:attribute name="ContactType">

<xs:annotation>

<xs:documentation>The address where

the patient spends most of the day. Indicators:

P = Patient

S = School/Institute of Learning

E = Employer

O = Other

</xs:annotation>

<xs:simpleType>

<xs:restriction base="xs:string">

<xs:enumeration value="P"/>

<xs:enumeration value="S"/>

<xs:enumeration value="E"/>

<xs:enumeration value="O"/>

</xs:restriction>

</xs:simpleType>

```

        </xs:attribute>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
</xs:element>
<xs:element name="PatientAddress" type="Address"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>This is the patient's physical home
address</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="PatientLocate" type="Address">
    <xs:annotation>
        <xs:documentation>This is the patient's location at
time of diagnosis/specimen collection, where available. Where exact address is not
available, approximate location where possible.</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="Travelled" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Information to be supplied if the
patient has travelled in the past 60 days</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence minOccurs="0">
            <xs:element name="Itinerary" maxOccurs="20">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="TravelLocation"
minOccurs="0">
                            <xs:annotation>
                                <xs:documentation>Places
patient has travelled to</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                                <xs:restriction
base="xs:string">
                                    <xs:maxLength
value="100"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:element>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="LocationArrivalDate" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Date
patient arrived at destination. Format CCYYMMDD</xs:documentation>
    </xs:annotation>
    <xs:simpleType>

```

```

<xs:restriction
base="xs:long">
<xs:maxInclusive
value="99999999"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element
name="LocationDepartureDate" minOccurs="0">
<xs:annotation>
<xs:documentation>Date
patient departed from location. Format CCYYMMDD</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction
base="xs:long">
<xs:maxInclusive
value="99999999"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="MedicalScheme" minOccurs="0">
<xs:annotation>
<xs:documentation>The Medical Scheme of which the
Patient is a member if relevant.</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:sequence>
<xs:element name="SchemeName">
<xs:annotation>
<xs:documentation>Medical Aid Scheme
name</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="50"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="SchemeMembershipNumber"
minOccurs="0">
<xs:annotation>
<xs:documentation>Medical Aid Scheme
membership number</xs:documentation>

```



```

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="DiagnosisInfo">
  <xs:annotation>
    <xs:documentation>Tag may be repeated multiple times</
xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DiagnosisData" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="NotifiableCondition"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Notifiable medical
condition identified. Indicators:
Acute Flaccid Paralysis
Acute rheumatic fever
Anthrax
Botulism
Cholera
Food borne illness outbreak
Malaria
Measles
Meningococcal Disease
Plague
Poliomyelitis
Rabies
Respiratory disease caused by a novel respiratory pathogen
Rift Valley Fever (human)
Smallpox
Ebola Virus (VHF)
Marburg Virus (VHF)
Lassa Fever Virus (VHF)
Lujo Virus(VHF)
Novel or new world arenaviruses
Crimean-Congo viral haemorrhagic fever (human)
Waterborne illness outbreak - UNDEFINED
Yellow Fever
Agricultural or stock remedy poisoning
Bilharzia (schistosomiasis)
Brucellosis
Congenital rubella syndrome

```

Congenital syphilis
 Diphtheria
 Enteric fever (typhoid or paratyphoid fever)
 Haemophilus influenzae type B
 Hepatitis A
 Hepatitis B
 Hepatitis C
 Hepatitis E
 Lead poisoning
 Legionellosis
 Leprosy
 Maternal death (pregnancy, childbirth and puerperium)
 Mercury poisoning
 Pertussis
 Listeriosis
 Tuberculosis:extra-pulmonary
 Tuberculosis:pulmonary
 Tuberculosis: multidrug- resistant (MDR -TB)
 Tuberculosis: extensively drug -resistant (XDR -TB)
 Haemolytic uraemic syndrome (HUS)
 Soil transmitted helminths
 MDR Gonorrhoea
 Endemic arboviral diseases West Nile Virus
 Endemic arboviral diseases Sindbis Virus
 Endemic arboviral diseases Chikungunya virus
 Non-Endemic arboviral diseases : Dengue Fever Virus
 Non-Endemic Arboviral Diseases: Zika Virus
 Non-typhoidal Salmonellosis
 Shigellosis
 Shiga toxin-producing Escherichia coli
 Rubella
 Carbapenemase-producing Enterobacteriaceae
 Vancomycin-resistant enterococci
 Staphylococcus aureus: hGISA and GISA
 Colistin-resistant Pseudomonas aeruginosa
 Colistin-resistant Acinetobacter baumannii
 Clostridium difficile
 XDR Gonorrhoea
 Non-African Hemorrhagic Fevers
 Tetanus
 COVID-19
 MIS-C
 Monkeypox</xs:documentation>

</xs:annotation>

<xs:simpleType>

<xs:restriction base="xs:string">

<xs:enumeration value="Acute Flaccid" ↗

Paralysis"/>

<xs:enumeration value="Acute" ↗

rheumatic fever"/>

```

illness outbreak"/>
Disease"/>
value="Poliomyelitis"/>
disease caused by a novel respiratory pathogen"/>
Fever (human)"/>
(VHF)"/>
(VHF)"/>
Virus (VHF)"/>
Virus(VHF)"/>
world arenaviruses"/>
viral haemorrhagic fever (human)"/>
illness outbreak - UNDEFINED"/>
>
or stock remedy poisoning"/>
(schistosomiasis)"/>
rubella syndrome"/>
syphilis"/>
(typhoid or paratyphoid fever)"/>
influenzae type B"/>
<xs:enumeration value="Anthrax"/>
<xs:enumeration value="Botulism"/>
<xs:enumeration value="Cholera"/>
<xs:enumeration value="Food borne"
<xs:enumeration value="Malaria"/>
<xs:enumeration value="Measles"/>
<xs:enumeration value="Meningococcal
<xs:enumeration value="Plague"/>
<xs:enumeration
<xs:enumeration value="Rabies"/>
<xs:enumeration value="Respiratory
<xs:enumeration value="Rift Valley
<xs:enumeration value="Smallpox"/>
<xs:enumeration value="Ebola Virus
<xs:enumeration value="Marburg Virus
<xs:enumeration value="Lassa Fever
<xs:enumeration value="Lujo
<xs:enumeration value="Novel or new
<xs:enumeration value="Crimean-Congo
<xs:enumeration value="Waterborne
<xs:enumeration value="Yellow Fever"/
<xs:enumeration value="Agricultural
<xs:enumeration value="Bilharzia
<xs:enumeration value="Brucellosis"/>
<xs:enumeration value="Congenital
<xs:enumeration value="Congenital
<xs:enumeration value="Diphtheria"/>
<xs:enumeration value="Enteric fever
<xs:enumeration value="Haemophilus
<xs:enumeration value="Hepatitis A"/>
<xs:enumeration value="Hepatitis B"/>

```

```

poisoning"/>
value="Legionellosis"/>
(pregnancy, childbirth and puerperium)/>
poisoning"/>
value="Tuberculosis:extra-pulmonary"/>
value="Tuberculosis:pulmonary"/>
multidrug- resistant (MDR -TB)/>
extensively drug -resistant (XDR -TB)/>
uraemic syndrome (HUS)/>
transmitted helminths"/>
Gonorrhoea"/>
arboviral diseases West Nile Virus"/>
arboviral diseases Sindbis Virus"/>
arboviral diseases Chikungunya virus"/>
arboviral diseases : Dengue Fever Virus"/>
Arboviral Diseases: Zika Virus"/>
Salmonellosis"/>
producing Escherichia coli"/>
producing Enterobacteriaceae"/>
resistant enterococci"/>
aureus: hGISA and GISA"/>
<xs:enumeration value="Hepatitis C"/>
<xs:enumeration value="Hepatitis E"/>
<xs:enumeration value="Lead" ↵
<xs:enumeration ↵
<xs:enumeration value="Leprosy"/>
<xs:enumeration value="Maternal death" ↵
<xs:enumeration value="Mercury" ↵
<xs:enumeration value="Pertussis"/>
<xs:enumeration value="Listeriosis"/>
<xs:enumeration ↵
<xs:enumeration ↵
<xs:enumeration value="Tuberculosis:" ↵
<xs:enumeration value="Tuberculosis:" ↵
<xs:enumeration value="Haemolytic" ↵
<xs:enumeration value="Soil" ↵
<xs:enumeration value="MDR" ↵
<xs:enumeration value="Endemic" ↵
<xs:enumeration value="Endemic" ↵
<xs:enumeration value="Endemic" ↵
<xs:enumeration value="Non-Endemic" ↵
<xs:enumeration value="Non-Endemic" ↵
<xs:enumeration value="Non-typhoidal" ↵
<xs:enumeration value="Shigellosis"/>
<xs:enumeration value="Shiga toxin-" ↵
<xs:enumeration value="Rubella"/>
<xs:enumeration value="Carbapenemase-" ↵
<xs:enumeration value="Vancomycin-" ↵
<xs:enumeration value="Staphylococcus" ↵
<xs:enumeration value="Colistin-" ↵

```

```

resistant Pseudomonas aeruginosa"/>
resistant Acinetobacter baumannii"/>
difficile"/>
Gonorrhoea"/>
Hemorrhagic Fevers"/>
<xs:enumeration value="Colistin-
<xs:enumeration value="Clostridium
<xs:enumeration value="XDR
<xs:enumeration value="Non-African
<xs:enumeration value="Tetanus"/>
<xs:enumeration value="COVID-19"/>
<xs:enumeration value="MIS-C"/>
<xs:enumeration value="Monkeypox"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="MethodofDiagnosis"
minOccurs="0">
<xs:annotation>
<xs:documentation>Clinical, Laboratory,
X-Ray, etc.</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="100"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="ICD10Code">
<xs:annotation>
<xs:documentation>Diagnosis ICD-10 code</
xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="10"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="Diagnosis" minOccurs="0">
<xs:annotation>
<xs:documentation>Description of ICD-10
diagnosis condition</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="250"/>
</xs:restriction>
</xs:simpleType>
</xs:element>

```

```

    <xs:element name="CoMorbidity" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Is this a co-morbidity
code that is being reported</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="Y"/>
          <xs:enumeration value="N"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="ClinicalSymptoms"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>Symptoms of patient
during diagnosis. Free text field, limited to 250 characters</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="250"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="DateofOnset" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Date of onset of
symptoms. Format CCYYMMDD</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:long">
          <xs:maxInclusive value="99999999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="DateofDiagnosis" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Date of diagnosis of
symptoms. Format CCYYMMDD</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:long">
          <xs:maxInclusive value="99999999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="TreatmentGiven" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Treatment given to
patient. Free text field, limited to 250 characters</xs:documentation>

```

```

        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="250"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="LabTestInfo" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Tag may be repeated multiple times</
xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="LabTest" type="TestInformation"
maxOccurs="unbounded"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="Outpatient" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="TreatmentDate">
                <xs:annotation>
                    <xs:documentation>Date the patient received treatment
at the hospital. Format CCYYMMDD</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:long">
                        <xs:maxInclusive value="99999999"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="EpisodeNumber">
                <xs:annotation>
                    <xs:documentation>Case or Episode number assigned to
patient during stay</xs:documentation>
                </xs:annotation>
            </xs:element>
            <xs:element name="HospitalOutcome">
                <xs:annotation>
                    <xs:documentation>Outcome at end of hospitalisation.

```

Indicators:
Admitted

```

Released</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:enumeration value="Admitted"/>
            <xs:enumeration value="Released"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Hospitalisation" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Inpatient" minOccurs="0">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="AdmissionDate" minOccurs="0">
                            <xs:annotation>
                                <xs:documentation>Date patient was
admitted in hospital. Format CCYYMMDD</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                                <xs:restriction base="xs:long">
                                    <xs:maxInclusive value="99999999"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:element>
                        <xs:element name="DischargeDate" minOccurs="0">
                            <xs:annotation>
                                <xs:documentation>Date patient was
discharged from hospital or date of death. Format CCYYMMDD</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                                <xs:restriction base="xs:long">
                                    <xs:maxInclusive value="99999999"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:element>
                        <xs:element name="EpisodeNumber" minOccurs="0">
                            <xs:annotation>
                                <xs:documentation>Case or Episode number
assigned to patient during stay</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                                <xs:restriction base="xs:string">
                                    <xs:maxLength value="30"/>
                                </xs:restriction>
                            </xs:simpleType>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

```



```

    </xs:element>
    <xs:element name="WardType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>If available</
xs:documentation>

      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Type">
            <xs:annotation>
              <xs:documentation>Available
selection includes:
ICU
Emergency
Cardiology
Neurology
Oncology
Obstetrics and Gynaecology
General
Other</xs:documentation>

            </xs:annotation>
            <xs:simpleType>
              <xs:restriction
base="xs:string">
                <xs:enumeration
value="ICU"/>
                <xs:enumeration
value="Emergency"/>
                <xs:enumeration
value="Cardiology"/>
                <xs:enumeration
value="Neurology"/>
                <xs:enumeration
value="Oncology"/>
                <xs:enumeration
value="Obstetrics and Gynaecology"/>
                <xs:enumeration
value="General"/>
                <xs:enumeration
value="Other"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="OtherSpecific"
minOccurs="0">
            <xs:annotation>
              <xs:documentation>If 'Other',
please specify</xs:documentation>
            </xs:annotation>
          </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 name="HospitalOutcome">
    <xs:annotation>
        <xs:documentation>Outcome at end of
hospitalisation. Indicators:
Discharged
Deceased</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:enumeration value="Discharged"/>
            <xs:enumeration value="Deceased"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="HospitalName" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Name of hospital patient was
admitted to</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="100"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="HospitalNumber">
    <xs:annotation>
        <xs:documentation>The Hospital's PCNS registration
number. Note that ALL 13-digits of the PCNS number MUST be included without any spaces or
other punctuation marks and keeping the leading zero'ss intact.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="18"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>

```

```
minOccurs="0"/>
    <xs:element name="HospitalContact" type="Contact"
    </xs:element name="HospitalAddress" type="Address"
minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```