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<?xml version="1.0" encoding="UTF-8" ?>
- <xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
  - <!--
    The Ambulatory Patient Data XML Schema is incorporated by reference in
    the Ambulatory Patient Data Reporting Instructions, 59B-9.034, F.A.C.
    adopted June 22, 2009.
    This file is currently posted at
    http://ahca.myflorida.com/xmlschemas/AS10-3.xsd.
    The content and structure of this file is maintained by the Agency for
    Health Care Information - State of Florida. Usage of this schema does
    NOT guarantee acceptance of files submitted to the Agency for Health
    Care Information based upon this schema.
    HISTORY:
      Created: 4/30/2009 Ken Walker & Patrick Kennedy
      Modified: 09/02/2010 Suresh Kethireddy and Patrick Kennedy
        PATIENT_CONTROL_NUMBER and MED_REC_NUM should allow only
        alpha-numeric, dot(.), dash(-) and underscore(_)
      Modified: 09/28/2010 Suresh Kethireddy and Patrick Kennedy
        PATIENT_STATUS to allow code "21"
      Modified: 01/23/2014 Suresh Kethireddy and Patrick Kennedy
        ICD9 codes changed to ICD10 Codes
      Modified: 05/11/2017 Suresh Kethireddy and Nancy Tamariz
        ADMIN_SOURCE - deleted allowable code "07"
        PRIN_PROC_CODE and OTHER_PROC_CODE elements deleted
        SERVICE_LOCATION - changed to allow "A-Z"

    -->
  - <xs:element name="HC_DATA">
  - <xs:complexType>
  - <xs:sequence>
    <xs:element name="HEADER" type="HEADERTYPE" />
  - <xs:element name="RECORDS">
  - <xs:complexType>
  - <xs:sequence>
    <xs:element name="RECORD" type="RECORDTYPE" maxOccurs="unbounded" />
    </xs:sequence>
    </xs:complexType>
  - <xs:key name="PATIENT_CONTROL_NUMBER">
    <xs:selector xpath="RECORD" />
    <xs:field xpath="@id" />
    </xs:key>
  - </xs:element>
    <xs:element name="TRAILER" type="TRAILERTYPE" />
    </xs:sequence>
    </xs:complexType>
  - </xs:element>
  - <xs:complexType name="RECORDTYPE">
  - <xs:sequence>
  - <xs:element name="AHCA_NUM">
  - <xs:simpleType>
  - <xs:restriction base="xs:string">

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<xs:minLength value="8" />
<xs:maxLength value="10" />
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  </xs:simpleType>
</xs:element>
- <xs:element name="MED_REC_NUM">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Za-z0-9_.-]{1,24}$" />
  </xs:restriction>
  </xs:simpleType>
</xs:element>
  <xs:element name="PATIENT_SSN" type="SSNType" />
- <xs:element name="PATIENT_ETHNICITY">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="E[1,2,7]" />
  </xs:restriction>
  </xs:simpleType>
</xs:element>
  <xs:element name="PATIENT_RACE" type="PREType" />
- <xs:element name="PATIENT_BIRTHDATE">
- <xs:simpleType>
  <xs:restriction base="xs:date" />
  </xs:simpleType>
</xs:element>
  <xs:element name="PATIENT_SEX" type="PSEXType" />
- <xs:element name="PATIENT_ZIP">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="\d{5}" />
  </xs:restriction>
  </xs:simpleType>
</xs:element>
- <xs:element name="PATIENT_COUNTRY">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[A-Z][A-Z]|[9][9]" />
  <xs:length value="2" />
  </xs:restriction>
  </xs:simpleType>
</xs:element>
- <xs:element name="SERVICE_CODE">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[12]" />
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  </xs:simpleType>
</xs:element>

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- <xs:element name="ADMIT_SOURCE">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[0][0,1,2,4-6, 8-9]|[D,E,F]" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="PRINC_PAYER_CODE" type="PPCType" />
<xs:element name="PRINC_DIAG_CODE" type="ICD10DiagType" minOccurs="0" />
<xs:element name="OTHER_DIAG_CODE" type="ICD10DiagType" minOccurs="0"
  maxOccurs="9" />
- <xs:element name="EVAL_MGMT_CODE" minOccurs="0" maxOccurs="5">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="9928[1-5,8]|9929[1,2]|G038[0-4]|99999" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="OTHER_CPT_HCPCS_CODE" minOccurs="0" maxOccurs="30">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Z0-9]{5}$" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="ATTENDING_PRACT_ID">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Z0-9]{1,11}$" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="ATTENDING_PRACT_NPI">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="10" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="OPERATING_PRACT_ID" minOccurs="0">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Z0-9]{1,11}$" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="OPERATING_PRACT_NPI" minOccurs="0">
- <xs:simpleType>
- <xs:restriction base="xs:string">

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<xs:maxLength value="10" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="OTHER_PRACT_ID" minOccurs="0">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Z0-9]{1,11}$" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="OTHER_PRACT_NPI" minOccurs="0">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="10" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="PHARMACY_CHARGES" type="ChargeType" />
<xs:element name="MED_SURG_SUPPLY_CHARGES" type="ChargeType" />
<xs:element name="LAB_CHARGES" type="ChargeType" />
<xs:element name="RADIOLOGY_IMAGING_CHARGES" type="ChargeType" />
<xs:element name="CARDIOLOGY_CHARGES" type="ChargeType" />
<xs:element name="OPER_ROOM_CHARGES" type="ChargeType" />
<xs:element name="ANESTHESIA_CHARGES" type="ChargeType" />
<xs:element name="RECOVERY_ROOM_CHARGES" type="ChargeType" />
<xs:element name="ER_ROOM_CHARGES" type="ChargeType" />
<xs:element name="TRAUMA_RESP_CHARGES" type="ChargeType" />
<xs:element name="TREATMENT_OBSERVATION_ROOM_CHARGES" type="ChargeType"
/>
<xs:element name="GI_SERVICES_CHARGES" type="ChargeType" />
<xs:element name="EXTRA_CORP_SHOCK_WAVE_CHARGES" type="ChargeType" />
<xs:element name="OTHER_CHARGES" type="ChargeType" />
<xs:element name="TOTAL_CHARGES" type="GrossChargeType" />
- <xs:element name="VISIT_BEGIN_DATE">
- <xs:simpleType>
  <xs:restriction base="xs:date" />
  </xs:simpleType>
</xs:element>
- <xs:element name="VISIT_END_DATE">
- <xs:simpleType>
  <xs:restriction base="xs:date" />
  </xs:simpleType>
</xs:element>
- <xs:element name="ARRIVAL_HOUR">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[0,1][0-9]|[2][0,1,2,3][[9][9]" />
  </xs:restriction>

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    </xs:simpleType>
  </xs:element>
- <xs:element name="ED_DISCHARGE_HOUR">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[0,1][0-9][2][0,1,2,3][9][9]" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
  <xs:element name="PATIENT_REASON" type="ICD10DiagType" minOccurs="0" />
  <xs:element name="ECMORB" type="ICD10ECMorbCodeType" minOccurs="0"
    maxOccurs="3" />
- <xs:element name="SERVICE_LOCATION" minOccurs="0">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[A-Z]" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="PATIENT_STATUS">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[0][1-7][2][0,1][5][0,1][6][2-6][7][0]" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
  </xs:sequence>
- <xs:attribute name="id">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Za-z0-9_-.]{1,24}$" />
  </xs:restriction>
  </xs:simpleType>
  </xs:attribute>
  </xs:complexType>
- <xs:complexType name="TRAILERType">
- <xs:sequence>
- <xs:element name="NUMBER_OF_RECORDS">
- <xs:simpleType>
  <xs:restriction base="xs:positiveInteger" />
  </xs:simpleType>
  </xs:element>
  </xs:sequence>
  </xs:complexType>
- <xs:complexType name="HEADERType">
- <xs:sequence>
- <xs:element name="TRANS_CODE">
- <xs:simpleType>
- <xs:restriction base="xs:string">

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<xs:pattern value="[Q]" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="RPT_YEAR">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[2][0-9][1-9][0-9]" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="RPT_QTR">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[1-4]" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="DATA_TYPE">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:enumeration value="AS10-2" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="SUBMISSION_TYPE">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[IR]" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="PROC_DATE">
- <xs:simpleType>
  <xs:restriction base="xs:date" />
  </xs:simpleType>
  </xs:element>
- <xs:element name="AHCA_NUM">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:minLength value="8" />
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  </xs:restriction>
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  </xs:element>
- <xs:element name="MEDICARE_NUM">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[0-9][0-9][0-9][0-9][0-9][0-9][0-9]" />

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<xs:minLength value="7" />
<xs:maxLength value="7" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="ORG_NAME">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="40" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
<xs:element name="CONTACT_PERSON" type="ContactType" />
  </xs:sequence>
  </xs:complexType>
- <xs:simpleType name="SSNType">
- <xs:restriction base="xs:string">
  <xs:pattern value="\d{9}" />
  </xs:restriction>
  </xs:simpleType>
- <xs:simpleType name="PREType">
- <xs:restriction base="xs:positiveInteger">
  <xs:pattern value="[1-7]" />
  </xs:restriction>
  </xs:simpleType>
- <xs:simpleType name="PSEXType">
- <xs:restriction base="xs:string">
  <xs:pattern value="[MFU]" />
  </xs:restriction>
  </xs:simpleType>
- <xs:simpleType name="PPCType">
- <xs:restriction base="xs:string">
  <xs:pattern value="[A-E,H-Q]" />
  </xs:restriction>
  </xs:simpleType>
- <xs:complexType name="ContactType">
- <xs:sequence>
- <xs:element name="NAME">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="25" />
  <xs:whiteSpace value="preserve" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="PHONE">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="\\(\\d{3}\\\\)\\d{3}[-.]\\d{4}([-.]\\d{1,5})?" />

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    </xs:restriction>
    </xs:simpleType>
  </xs:element>
- <xs:element name="EMAIL" minOccurs="0">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="100" />
  <xs:pattern value="\w+([-+._]\w+)*@\w+([-._]\w+)*\.\w+([-._]\w+)*" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="STREET">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="40" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="CITY">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="25" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="STATE">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="2" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="ZIP">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="\d{5}([-]\d{4})?" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
</xs:sequence>
</xs:complexType>
- <xs:simpleType name="ICD10DiagType">
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Z][0-9][0-9A-Z]\.[0-9A-Z]{0,4}$|^[A-Z]\d{2}$" />
  </xs:restriction>
  </xs:simpleType>
- <xs:simpleType name="ICD10ECMorbCodeType">
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Z]\d{2}\.[0-9A-Z]{0,4}$|^[A-Z]\d{2}$" />

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    </xs:restriction>
  </xs:simpleType>
- <xs:simpleType name="ChargeType">
- <xs:restriction base="xs:string">
  <xs:pattern value="\d{1,15}" />
  </xs:restriction>
  </xs:simpleType>
- <xs:simpleType name="GrossChargeType">
- <xs:restriction base="xs:string">
  <xs:pattern value="\d{1,20}" />
  </xs:restriction>
  </xs:simpleType>
</xs:schema>
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