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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">
  - <!--
    This is a change to the XML Schema based upon changes to Inpatient Data
    Reporting Instructions, 59E-7.012, F.A.C. and 59E-7.014, F.A.C.
    adopted 05/22/2007.
    This will be posted at: http://ahca.myflorida.com/xmlschemas/PD10-4.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: 02/02/2009 New Rule
      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
        DISCH_STATUS to allow code "21" and added new element
        "CONDITION_CODE".
      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"
        PRESENT_ON_ADMIT - deleted blank values
        COMP_REHAB_CHARGES - added new element

    -->
  - <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>

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- <xs:restriction base="xs:string">
  <xs:minLength value="8" />
  <xs:maxLength value="10" />
</xs:restriction>
</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="TYPE_OF_SERVICE">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[1,2]" />
</xs:restriction>
</xs:simpleType>

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    </xs:element>
- <xs:element name="ADMIT_PRIORITY">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[1,2,3,4,5]" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="ADMIT_SOURCE">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[0][1,2,4-6,8-9][D,E,F][1][0,3]" />
  </xs:restriction>
  </xs:simpleType>
  </xs:element>
- <xs:element name="ADMIT_DATE">
- <xs:simpleType>
  <xs:restriction base="xs:date" />
  </xs:simpleType>
  </xs:element>
- <xs:element name="INP_ADMIT_TIME">
- <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="DISCH_DATE">
- <xs:simpleType>
  <xs:restriction base="xs:date" />
  </xs:simpleType>
  </xs:element>
- <xs:element name="DISCH_TIME">
- <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="DISCH_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:element name="PRINC_PAYER_CODE" type="PPCType" />
<xs:element name="PRINC_DIAG_CODE" type="ICD10DiagType" />

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<xs:element name="OTHER_DIAG_CODE" type="ICD10DiagType" minOccurs="0"
  maxOccurs="30" />
<xs:element name="PRIN_PROC_CODE" type="Proc_Type" minOccurs="0" />
<xs:element name="OTHER_PROC_CODE" type="Proc_Type" minOccurs="0"
  maxOccurs="30" />
- <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">
  <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="ROOM_BOARD_CHARGES" type="ChargeType" />
<xs:element name="NURSERY_LEVEL_1_CHARGES" type="ChargeType" />

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<xs:element name="NURSERY_LEVEL_2_CHARGES" type="ChargeType" />
<xs:element name="NURSERY_LEVEL_3_CHARGES" type="ChargeType" />
<xs:element name="INTENSIVE_CARE_CHARGES" type="ChargeType" />
<xs:element name="CORONARY_CARE_CHARGES" type="ChargeType" />
<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="RESPIRATORY_PULMONARY_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="LABOR_ROOM_CHARGES" type="ChargeType" />
<xs:element name="ER_ROOM_CHARGES" type="ChargeType" />
<xs:element name="TRAUMA_RESPONSE_CHARGES" type="ChargeType" />
<xs:element name="TREATMENT_OBSERVATION_ROOM_CHARGES" type="ChargeType"
/>
<xs:element name="BEHAVIORAL_HEALTH_CHARGES" type="ChargeType" />
<xs:element name="ONCOLOGY_CHARGES" type="ChargeType" />
<xs:element name="PHYS_THERAPY_CHARGES" type="ChargeType" />
<xs:element name="OCCUPATIONAL_THERAPY_CHARGES" type="ChargeType" />
<xs:element name="SPEECH_THERAPY_CHARGES" type="ChargeType" />
<xs:element name="COMP_REHAB_CHARGES" type="ChargeType" />
<xs:element name="OTHER_CHARGES" type="ChargeType" />
<xs:element name="TOTAL_CHARGES" type="GrossChargeType" />
<xs:element name="INFANT_LINKAGE_ID" type="SSNType" />
<xs:element name="ADMIT_DIAGNOSIS" type="ICD10DiagBaseType" />
<xs:element name="ECMORB" type="ICD10ECMorbCodeType" minOccurs="0"
maxOccurs="3" />
- <xs:element name="EMERG_DATE_ARRIVAL">
- <xs:simpleType>
- <xs:union>
- <xs:simpleType>
  <xs:restriction base="xs:date" />
  </xs:simpleType>
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="0000-00-00" />
  </xs:restriction>
  </xs:simpleType>
  </xs:union>
  </xs:simpleType>
  </xs:element>
- <xs:element name="EMERG_HOUR_ARRIVAL">
- <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="CONDITION_CODE" minOccurs="0">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:pattern value="[P][7]||[0][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="Proc_Type">
- <xs:sequence>
  <xs:element name="PROC_CODE" type="ICD10ProcType" />
- <xs:element name="PROC_DATE">
- <xs:simpleType>
  <xs:restriction base="xs:date" />
  </xs:simpleType>
</xs:element>
</xs:sequence>
</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">
  <xs:pattern value="[Q]" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="RPT_YEAR">
- <xs:simpleType>
- <xs:restriction base="xs:string">

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    <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:pattern value="^PD10-3$" />
  </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="PROCESS_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" />
  <xs:maxLength value="10" />
  </xs:restriction>
  </xs:simpleType>
</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]" />
  <xs:minLength value="7" />
  <xs:maxLength value="7" />
  </xs:restriction>
  </xs:simpleType>
</xs:element>
- <xs:element name="ORG_NAME">
- <xs:simpleType>

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- <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-O,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})?" />
</xs:restriction>
</xs:simpleType>
</xs:element>
- <xs:element name="EMAIL" minOccurs="0">
- <xs:simpleType>
- <xs:restriction base="xs:string">
  <xs:maxLength value="100" />

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    <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">
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  </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="ICD10DiagBaseType">
- <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:complexType name="ICD10DiagType">
- <xs:sequence>
  <xs:element name="DIAG_CODE" type="ICD10DiagBaseType" />
- <xs:element name="PRESENT_ON_ADMIT" minOccurs="1" maxOccurs="1">
- <xs:simpleType>
- <xs:union>
- <xs:simpleType>
- <xs:restriction base="xs:NMTOKEN">
  <xs:enumeration value="Y" />
  <xs:enumeration value="N" />

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<xs:enumeration value="U" />
<xs:enumeration value="W" />
<xs:enumeration value="1" />
</xs:restriction>
</xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
- <xs:simpleType name="ICD10ProcType">
- <xs:restriction base="xs:string">
  <xs:pattern value="[0-9A-Z]{7}" />
  </xs:restriction>
</xs:simpleType>
- <xs:simpleType name="ICD10ECMorbCodeBaseType">
- <xs:restriction base="xs:string">
  <xs:pattern value="^[A-Z]\d{2}\.[0-9A-Z]{0,4}$|^[A-Z]\d{2}$" />
  </xs:restriction>
</xs:simpleType>
- <xs:complexType name="ICD10ECMorbCodeType">
- <xs:sequence>
  <xs:element name="DIAG_CODE" type="ICD10ECMorbCodeBaseType" />
  <xs:element name="PRESENT_ON_ADMIT">
- <xs:simpleType>
- <xs:union>
- <xs:simpleType>
- <xs:restriction base="xs:NMTOKEN">
  <xs:enumeration value="Y" />
  <xs:enumeration value="N" />
  <xs:enumeration value="U" />
  <xs:enumeration value="W" />
  <xs:enumeration value="1" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
- <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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