

MicroMD EMR 170.315(b)(10) Electronic Health Information export (EHI)

This documentation provides information for the format of the export output when utilizing the MicroMD EMR EHI export. The intended purpose satisfies the requirements of 2015 Edition Cures Update Conformance Regulation §170.315(b)(10) Electronic Health Information export,

ONC Health IT Certifications

[MicroMD's EMR 2015 Edition Cures Update Certification Information](#)

EHI Export File

A compressed file will be exported when using the EHI process within MicroMD EMR (see user manual for instruction). The file will have a naming convention of the practice id and the patient chart id (####.#####.0). This file will be password protected using the patient date of birth (mmddyyyy). The following files with schema will be included with this compressed file.

EHI Export File Schema

- **Billing.xml**

```
<Billing>
    <Superbill billingsource="" billingsourcerefid="" billingstatus=""
    clinicid="" cptcode="" cptdescription="" datesent="" deptid="" encounterid=""
    financialresponsibility="" guarantorid="" patientid="" paymentmethod=""
    plansetid="" providerid="" recordedon="" servicefacilityguid="" transcomment=""
    transactionid="" validated="" />
        <Diagnosis assessmentcode="" description="" finsuperbilldiagnosisid=""
        rank="" snocode="" transactionid="" />
        <Diagnosis assessmentcode="" description="" findiagnosisid="" pointer=""
        procedureid="" rank="" snocode="" transactionid="" />
            <Procedure amount="" billnumber="" completedstatus="" locationperformed=""
            modifier="" performedby="" performedbyname="" proccomment="" procedurecode=""
            procedureid="" quantity="" servicedatefrom="" servicedateto="" transactionid=""
            validationerrorlevel="" />
                <Modifier description="" modifier="" procedureid="" rank=""
                transactionid="" />
                <ReferringPhysician firstname="" lastname="" NPI="" phone="" physicianid=""
                transactionid="" UPIN="" />
                <Insurance inspolicyid="" patinspolicyid="" planname="" polycynumber=""
                procedureid="" rank="" transactionid="" />
            </Billing>
```

- **Encounters.xml**

```
<Encounters>
    <Encounters clinicid="" confidentiality="" cosignby="" cosignedon=""
    cptencountercode="" dateofbirth="" deptid="" encountercatid="" encounterdate=""
```

encounterdisplay="" encounterduration="" encounterid=""
 encounterlevelcriteria="" encounterlocation="" encounternature=""
 encounterstatus="" encountertime="" encountertype="" examinationtype=""
 externalid="" externalrefId="" firstname="" gender="" lastname="" noteid=""
 patientid="" phone="" providerfirstname="" providerid="" providerlastname=""
 recordedby="" recordedon="" recordingmethod="" revisiondate="" revisionflag=""
 revisionid="" revisionno="" timesigned="" transitionofcareid="" visitid=""
 voicetranscriptionid="" wizardid="" />
 <Reasons description="" encounterid="" reasonid="" recordedby=""
 recordedon="" snocode="" />
 <Assessments>
 <Assessment assessmentid="" categorycode="" description=""
 encounterid="" hcccode="" hccvalue="" icdcode="" noteid="" performedby=""
 rank="" recordedby="" recordedon="" snocode="" status="" />
 <AssessmentDetail assessmentcomment="" assessmentid=""
 assessmentdetailid="" descriptorid="" encounterid="" formatteddescriptor=""
 rank="" recordedby="" recordedon="" unit="" value="" />
 <JustifyingAssessment description="" encounterid="" icdcode=""
 justifyingassessmentid="" medicationid="" recordedby="" recordedon=""
 snocode="" />
 </Assessments>
 <Subjectives>
 <Subjective catrank="" categorycode="" description="" encounterid=""
 noteid="" performedby="" rank="" recordedby="" recordedon="" snocode=""
 status="" subjectiveid="" />
 <SubjectiveDetail descriptorid="" encounterid=""
 formatteddescriptor="" rank="" recordedby="" recordedon="" subjcomment=""
 subjectiveid="" subjectivedetailid="" unit="" value="" />
 </Subjectives>
 <Objectives>
 <Objective catrank="" categorycode="" description="" encounterid=""
 noteid="" objectiveid="" performedby="" rank="" recordedby="" recordedon=""
 snocode="" status="" />
 <Objective descriptorid="" encounterid="" formatteddescriptor=""
 objcomment="" objectiveid="" objectivedetailid="" rank="" recordedby=""
 recordedon="" unit="" value="" />
 </Objectives>
 <ReviewProblems>
 <ReviewProblem description="" encounterid="" icdcode="" noteid=""
 performedby="" problemid="" rank="" recordedby="" recordedon="" snocode="" />
 <ReviewProblemDetail descriptorid="" encounterid=""
 formatteddescriptor="" problemcomment="" problemid="" rank="" recordedby=""
 recordedon="" unit="" value="" />
 </ReviewProblems>
 <Medications>
 <Medication administeredby="" administeredbyname="" ADPType=""
 allowsubstitute="" begindate="" comment="" deletedby="" deletedon=""
 deletedreason="" description="" dispenseqty="" dispenseqtyunit="" doseamount=""
 doseform="" dosefrequency="" dosefrequencyunit="" durationlength=""
 durationunit="" encounterid="" enddate="" gcnseqno="" isadministered=""
 medicationid="" medid="" ndc="" noteid="" pharmacyinstr="" prescribedby=""
 rank="" recordedby="" recordedon="" refill="" rxid="" rxnorm="" sigtext=""
 status="" supplyrequested="" supplyrequestedunit="" terminatecode=""
 terminatereason="" terminatedby="" />
 <MedicationSig doseamount="" dosedelivery="" doseform=""
 dosemodtext="" durationlength="" durationmodtext="" durationunit=""
 encounterid="" frequency="" frequencymodtext="" frequencyunit="" interval=""

```

intervalunit="" medicationid="" multisigmodifier="" rank="" route=""
routemode="" sigid="" sigtext="" useasdirected=""/>
    </Medications>
    <Plans>
        <Plan apptdate="" apptime="" billitem="" categorycode=""
completedstatus="" cptcode="" createrequest="" dateperformed="" description=""
displaycategory="" encounterid="" instructioncode="" labcode="" labPanelcode=""
location="" modifier="" noteid="" orderid="" orderedfordate="" performedby=""
plancomment="" planduration="" planid="" preorder="" quantity="" rank=""
recordedby="" recordedon="" referredtoid="" referredtoname=""
referredtospecialty="" refusalreason="" resourceid="" resourcename="" status=""
vaccinecode="" validationerrorlevel="" xmlapptinstructions=""/>
            <Order createreminder="" description="" encounterid="" enddate=""
endsetby="" occurrences="" planid="" recurdayofmonth="" recurdayofweek=""
recurevery="" recurmonth="" recuroption="" recurpattern="" recurweekofmonth=""
recurringorderid="" reminderactivate="" reminderactivateunit="" reminderto=""
startdate=""/>
            <Diagnosis diagnosiscode="" diagnosisdescription="" diagnosisid=""
encounterid="" icdcode="" planid=""/>
            <Modifier description="" encounterid="" modifier="" modifierid=""
planid="" rank=""/>
        </Plans>
        <FaceTime apptdate="" begintime="" comment="" encounterid="" endtime=""
facetimeid="" patientid="" recordedby="" recordedon="" userid=""/>
            <MedinfoLink deletedby="" description="" encmedinfoid="" encounterid=""
medinfoid="" medinfotype="" patientid="" recordedby="" recordedon=""/>
        <Notes>
            <Note audiorecording="" encounterid="" graphic="" notedate=""
notedesc="" noteid="" notereftable="" notereftableid="" notetext="" notetype=""
recordedby="" recordedon=""/>
                <Group encgroupid="" encgroupnoteId="" encounterid="" note=""
notedate="" noteformat="" notetext="" recordedby="" recordedon=""/>
            </Notes>
        </Encounters>

```

- HealthScreening.xml

```

<HealthScreening>
    <GoalMonitoring>
        <GoalMonitoring comment="" datecreated="" deletedby="" deletedon="" description="" enddate="" fromdate="" goalcode="" goalid="" goalname="" goalvalue="" lastupdated="" loinc="" monitoringmethod="" patientid="" recordedby="" recordedon="" repeatnumber="" repeatunits="" responsiblephysician="" riskcode="" riskname="" schedule="" status="" teachingmethod=""/>
            <Progress daterecommended="" educationreceived="" educationtype="" fromAge="" fromDate="" fromNumber="" fromUnits="" fromWhen="" goalid="" lastupdated="" nextPhase="" patientid="" progresscomment="" progressdate="" progressdescription="" progressid="" progressrating="" rank="" recordedby="" recordedon="" resulttype="" resultvalue="" status="" untilNumber="" untilUnits=""/>
                <ProgressInstructions description="" goalid="" instrid="" instructioncode="" patientid="" progressid=""/>
            </GoalMonitoring>
        <HealthConcern>

```

```

        <HealthConcern begindate="" begindateisapprox=""
category="" categoryid="" deletedby="" deletedon="" description="" enddate=""
enddateisapprox="" healthconcerncomment="" healthconcernid="" lastupdated=""
patientid="" recordedby="" recordedon="" responsiblephysician="" riskscore=""
status="" terminatereason="" />
        <Goals deletedby="" deletedon="" goalid="" healthconcernid=""
patientid="" rank="" recordedby="" recordedon="" />
        <RelatedConcern category="" deletedby="" deletedon="" description=""
healthconcernid="" patientid="" recordedby="" recordedon="" relatedconcernid=""
snocode="" />
        <RelatedRisk deletedby="" deletedon="" description=""
healthconcernid="" patientid="" recordedby="" recordedon="" relatedconcernid=""
snocode="" />
        <CareTeam careteamid="" deletedby="" deletedon="" healthconcernid=""
lastupdated="" lastupdatedby="" patientid="" providerid="" recordedby=""
recordedon="" />
    </HealthConcern>
    <HealthScreening>
        <HealthScreening commssyscode="" cptcode="" deletedby="" deletedon=""
encounterid="" externalid="" healthscreenid="" lastupdated="" lastupdatedby=""
loinc="" patientid="" questionnaireid="" reason="" recordedby="" recordedon=""
requestid="" respondent="" responsiblephysician="" resultviewed=""
resultviewedby="" resultviewedon="" screeningname="" submissionstatus=""
templateid="" timesigned="" />
        <Question answer="" answerdecline="" answerid="" answerloinc=""
answerscore="" answertext="" answertype="" comment="" healthscreenid=""
patientid="" question="" questionid="" questionloinc="" questionrank=""
refsectionid="" screenquestionid="" sectionid="" showdecline="" />
        <Answer answer="" answerid="" answerloinc="" answerrank=""
answerscore="" answertext="" healthscreenid="" patientid="" questionid="" />
        <FollowUp category="" externalid="" followupid="" followupname=""
healthscreenid="" patientid="" resultid="" target="" />
        <Result abbreviation="" alertflag="" description="" externalid=""
healthscreenid="" outcome="" patientid="" rank="" resultid="" resulttext=""
score="" scoreloinc="" sectionid="" />
        <Section description="" healthscreenid="" patientid=""
refsectionid="" sectionabbreviation="" sectionid="" sectionloinc=""
sectionrank="" totalscoreloinc="" />
    </HealthScreening>
    <Immunizations>
        <Immunization basedonrule="" datecreated="" deletedby=""
deletedon="" encounterid="" immunizationid="" isrecurring="" lastupdated=""
patientid="" recordedby="" recordedon="" repeatnumber="" repeatunits=""
responsiblephysician="" schedule="" status="" templateid="" untilnumber=""
untilunits="" vaccinecode="" vaccinename="" />
        <Detail administeredstatus="" administratedtext=""
administratedtextconceptid="" cptcode="" cvxcode="" datagiven=""
datagivenisapprox="" daterecommended="" daterequested="" doseamount=""
doseunit="" expirydate="" fromAge="" fromDate="" fromNumber="" fromUnits=""
fromWhen="" immunizationid="" immunizationdetailid="" InfoSheetGiven=""
InfoSheetVersion="" lastupdated="" locationid="" locationname="" lotnumber=""
medimmunizationrequestid="" ndc="" notes="" patientid="" perfbyname=""
performedby="" placeadministered="" productname="" protectionindicator=""
protectionindicatordate="" publicallysupplied="" rank="" recordedby=""
recordedon="" refundeligibility="" refusalreason="" responsiblephysician=""
routeadministered="" sideeffects="" sideeffectcode="" signed="" status="" />

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```

supplier="" supplierref="" untilNumber="" untilUnits=""
vaccinecode="" vaccinename="" wassideEffect=""/>
    <Info begindate="" enddate="" immunizationid=""
immunizationdetailid="" immunizationinfoid="" keyname="" keynamedescription=""
keyvalue="" keyvaluedescription="" patientid="" rank="" />
    <Vis documentname="" immunizationid="" immunizationdetailid=""
info="" infosheetgiven="" infosheetgivenpresentedon=""
infosheetgivenpublishedon="" infosheetversion="" medimmunizationdetailvisid=""
patientid="" rank="" vaccinesheetid="" />
</Immunizations>
<Risk comment="" deletedby="" deletedon="" description="" factors=""
lastupdated="" patientid="" recordedby="" recordedon="" responsiblephysician=""
riskid="" snocode="" />
<Prevention>
    <Program basedonrule="" datecreated="" deletedby="" deletedon=""
description="" encounterid="" FromAge="" fromDate="" FromNumber="" FromUnits=""
FromWhen="" lastupdated="" loinc="" NotifyAppt="" NotifyEmail=""
NotifyReminder="" patientid="" proccode="" programdescription="" programid=""
recordedby="" recordedon="" repeatnumber="" repeatunits=""
responsiblephysician="" schedule="" status="" templateid="" UntilNumber=""
UntilUnits="" />
    <Details administeredstatus="" cptcode="" datégiven=""
datégivenisapprox="" daterecommended="" description="" encounterid="" fromage=""
fromdate="" fromnumber="" fromunits="" fromwhen="" implementationcomment=""
implementationdescription="" lastupdated="" loinc="" patientid="" perfbyname=""
performedby="" preventiondetailid="" programid="" rank="" recordedby=""
recordedon="" refusalreason="" responsiblephysician="" resultstatus=""
resultvalue="" status="" untilnumber="" untilunits="" />
    <AssociatedPrograms assocprogramid="" codetype="" cptcode=""
description="" loinc="" patientid="" programid="" rank="" screeningid="" />
</Prevention>
</HealthScreening>

```

- Histories.xml

```

<Histories>
    <Family begindate="" begindateisapprox="" beginperfbyname="" confidential=""
deceased="" deletedby="" deletedon="" description="" encounterid="" enddate=""
enddateisapprox="" endperformedby="" familialrelationship="" familiymemberage=""
familiymemberagedeath="" familiymemberdob="" familiymembername="" historycomment=""
historyid="" historytype="" icdcode="" isnegative="" noknown="" patientid=""
proccode="" procdescription="" recordedby="" recordedon=""
relationshipdescription="" responsiblephysician="" snocode="" terminatereason="" />
    <Medical begindate="" begindateisapprox="" beginperfbyname="" confidential=""
deceased="" deletedby="" deletedon="" description="" encounterid="" enddate=""
enddateisapprox="" endperformedby="" familialrelationship="" familiymemberage=""
familiymemberagedeath="" familiymemberdob="" familiymembername="" historycomment="" historyid=""
historytype="" icdcode="" isdeleted="" isnegative="" isnoknown="" noknown="" patientid=""
proccode="" procdescription="" recordedby="" recordedon=""
relationshipdescription="" responsiblephysician="" snocode="" terminatereason="" />
    <Social begindate="" begindateisapprox="" beginperfbyname="" confidential=""
deceased="" deletedby="" deletedon="" description="" encounterid="" enddate=""
enddateisapprox="" endperformedby="" familialrelationship="" familiymemberage=""
```

familymemberagedeath="" familymemberdob="" familymembername=""
 historycomment="" historyid="" historytype="" icdcode="" isnegative=""
 noknown="" patientid="" proccode="" procdescription="" recordedby=""
 recordedon="" relationshipdescription="" responsiblephysician="" snocode=""
 terminatereason="" />
 <Surgical begindate="" begindateisapprox="" beginperfbyname=""
 confidential="" deceased="" deletedby="" deletedon="" description=""
 encounterid="" enddate="" enddateisapprox="" endperformedby=""
 familialrelationship="" familymemberage="" familymemberagedeath=""
 familymemberdob="" familymembername="" historycomment="" historyid=""
 historytype="" icdcode="" isalert="" isdeleted="" isnegative="" isnoknown=""
 noknown="" patientid="" proccode="" procdescription="" recordedby=""
 recordedon="" relationshipdescription="" responsiblephysician="" snocode=""
 terminatereason="" />
 <Birth apgar5minute="" apgarbirth="" birthno="" birthsyndrome=""
 birthdate="" bloodgroup="" chestcircumference="" comment="" dateadmitted=""
 deletedby="" deletedon="" deliverymethod="" deliverypresentation=""
 encounterid="" fetaldistress="" gestation="" headcircumference="" height=""
 historyid="" hospital="" laborlength="" lastupdated="" lengthofstay=""
 maternalhistory="" multiplebirthorder="" NoOfFeatuses="" NoOfFeatusesLiving=""
 obstetrician="" patientid="" pediatritian="" Pku="" recordedby="" recordedon=""
 responsiblephysician="" T4="" toxicology="" units="" weightbirth=""
 weightreleased="" />
 <Sexual begindate="" begindateisapprox="" beginperfbyname="" confidential=""
 deletedby="" deletedon="" description="" enddate="" enddateisapprox=""
 endperformedby="" historycomment="" historyid="" isnegative="" lastupdated=""
 noknown="" numberofpartners="" numberofpastPartners="" patientid=""
 recordedby="" recordedon="" responsiblephysician="" sexualcategory="" snocode=""
 terminatereason="" treatment="" vaginalintercourse="" />
 <Asthma admissions="" anaphylaxis="" asthmaid="" bronchodilatorunits=""
 bronchodilators="" deletedby="" deletedon="" diagnosedby="" encounterid=""
 episodeunits="" episodes="" eradmissions="" fef="" fev1="" fvc=""
 historycomment="" icuadmissions="" intubations="" lastupdated="" lastRast=""
 LastSkintest="" misseddays="" noknown="" nocturnalsymptoms="" patientid=""
 pef="" recordedby="" recordedon="" responsiblephysician="" severitylevel=""
 sinceage="" steroids="" symptomcoughing="" symptomextolerance="" symptomsob=""
 symptomspputum="" symptomwheezing="" triggerallergens="" triggeremotions=""
 triggerexercise="" triggerfatigue="" triggerinfections="" triggerlaughing=""
 worseday="" worsefall="" worsespring="" worsesummer="" worsewinter="" />
 <Habit begindate="" begindateisapprox="" description="" enddate=""
 enddateisapprox="" frequency="" habitcategory="" habitcomment="" habitid=""
 isalert="" isdeleted="" isnegative="" patientid="" />
 <Hospital>
 <Hospitalization admissionreason="" begindate="" confidential=""
 dateisapprox="" deletedby="" deletedon="" department="" dischargereason=""
 emergencyroomonly="" encounterid="" hospital="" hospitalizationcomment=""
 hospitalizationid="" lastupdated="" lengthofstay="" noknown="" noteid=""
 numberofhospitalizations="" patientid="" recordedby="" recordedon=""
 responsiblephysician="" />
 <Procedure cptcode="" hospprocid="" hospitalizationid=""
 instructioncode="" laterality="" patientid="" procdescription="" />
 <Diagnosis diagdescription="" hospdiagid="" hospitalizationid=""
 icdcode="" patientid="" snocode="" />
 <Report attendingprovider="" comment="" commsyscode="" deletedby=""
 deletedon="" department="" hospital="" hospitalizationid="" hospitalreportid=""
 lastupdated="" orderdate="" orderedby="" patientid="" providerid=""
 recordedby="" recordedon="" referenceid="" reportcategory="" reportdate=""

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reportname="" reporttext="" resultstatus="" resultviewed=""
resultviewedby="" resultviewedon="" resultstotype="" timesigned=""
transcribedby="" />
    </Hospital>
    <Consent comment="" consentcategory="" consentitem="" consentreason=""
consenthistoryid="" description="" docid="" documentrefid="" documenttype=""
formid="" lastupdated="" patientid="" recordedby="" recordedon="" />
</Histories>

```

- MedicalInfo.xml

```

<MedicalInfo>
    <Allergies allergycode="" allergycomment="" allergyid="" allergyreaction=""
allergyrefCode="" allergyrefId="" allergyrefType="" allergyseverity=""
allergytype="" begindate="" begindateisapprox="" beginperfbyname="" deletedby=""
deletedon="" description="" encounterid="" enddate="" enddateisapprox=""
endperformedby="" isalert="" isdeleted="" isnegative="" isnoknown="" noknown=""
patientid="" recordedby="" recordedon="" responsiblephysician=""
severitydescription="" terminatereason="" typedescription="" />
    <Problems>
        <Problem begindate="" begindateisapprox="" beginperfbyname="""
chronicity="" description="" enddate="" enddateisapprox="" icd10code=""
icdcode="" isalert="" isdeleted="" isnegative="" isnoknown="" laterality=""
patientid="" problemcomment="" problemid="" severity="" snocode="" status="" />
            <Cancer behavior="" cancerid="" comment="" deletedby="" deletedon="""
diagconfirmation="" distantmetastases="" exportable="" grade="" histology=""
laterality="" patientid="" primarysite="" primarytumor="" problemid="""
recordedby="" recordedon="" regionallymph="" stageddescriptor="" stagegroup="""
stagetype="" stagedby="" statusdate="" />
        </Problems>
        <Vital bloodsugar="" bmi="" bmirefusalreason="" bodyposition="""
bprefusalreason="" commsyscode="" cuffsize="" dateperformed="" deletedby="""
deletedon="" diastolic="" directionofmeasure="" encounterid="""
estimatedduedate="" externalid="" fetalheartpresent="" fetalheartrate="""
fetalhearttype="" flowrate="" headcircumference="" height="" isnursing="""
ispregnant="" lastmenstrualperiod="" lastupdated="" oxygensaturation="""
oxgrentank="" painseverity="" patientadded="" patientid="" peekflow="""
performedby="" pulserate="" pulsetype="" recordedby="" recordedon="""
respiratoryrate="" responsiblephysician="" systolic="" temperature="""
temperaturetaken="" vitalsigncomment="" vitalsignid="" waistcircumference="""
weight="" />
        <Medication ADPType="" alertid="" allowsubstitute="" bdage="" bdagetyppe="""
bddatetyppe="" begindate="" begindateisapprox="" beginperfbyname="" category="""
comment="" deletedby="" deletedon="" deptid="" description="""
dispensedescription="" dispenseqty="" dispenseqtyunit="" dosagedescription="""
doseamount="" doseform="" dosefrequency="" dosefrequencyunit="""
durationlength="" durationunit="" edage="" edagetype="" eddatetyppe="""
encmedicationid="" encounterdate="" encounterid="" enddate="" enddateisapprox="""
endperformedby="" epaid="" gcnseqno="" itemid="" medid="" ndc="" noknown="""
patientid="" pharmacyinstr="" premedId="" prescripmedid="" prescriptionid="""
rank="" recordedby="" recordedon="" refill="" refillperiod="""
refillremindprovider="" responsiblephysician="" restartdate="" rxid="""
rxstatus="" RXNorm="" subclass="" supplyrequested="" supplyrequestedunit="""
terminatocode="" terminatereason="" />
        <TestResults abnormalflag="" abnormalreason="" classname="" commsyscode="""
datereported="" description="" loinc="" orderdate="" orderid="" patientadded=""
```

```

patientid="" recordedby="" recordedon="" resultanalysis=""
resultcode="" resultid="" resultnote="" resultviewed="" resultsto="" testcode=""
testcomment="" testid="" testname="" testnormal="" testnotes="" teststatus=""
testunits="" testvalue="">
    <Behavior>
        <Behavior behaviorid="" deletedby="" deletedon="" encounterid=""
lastupdated="" lastupdatedby="" patientid="" questionnaireid=""
questionnairename="" reason="" recordedby="" recordedon=""
responsiblephysician="" resultviewed="" resultviewedby="" resultviewedon=""
timesigned="">
            <Question answer="" answerdecline="" answerid="" answerloinc=""
answerscore="" answertext="" ansertype="" behaviorid="" behaviorquestionid=""
comment="" patientid="" question="" questionid="" questionloinc=""
questionrank="" refsectionid="" sectionid="" showdecline="">
                <Answer answer="" answerid="" answerloinc="" answerrank=""
answerscore="" behaviorid="" patientid="" questionid="">
                    <Section behaviorid="" description="" patientid="" refsectionid=""
sectionabbreviation="" sectionid="" sectionloinc="" sectionrank=""
totalscoreloinc="">
                </Behavior>
            <ClinicalDecisionSupport>
                <Alert alertid="" alertname="" alerttext="" externalid=""
patientid="" prioritycode="" treatmentid="">
                    <AlertAction actdescription="" actid="" actname="" alertid=""
classcode="" code="" codeSystem="" isnegative="" patientid="" prioritycode=""
treatmentid="">
                        <AlertReference alertid="" patientid="" referenceid=""
referencesource="" referencetext="" treatmentid="">
                            <Recommendation description="" patientid="" rank=""
recommendationid="" treatmentid="">
                                <Treatment catalogname="" effectivetime="" externalid=""
patientid="" providerid="" recordedon="" title="" transmitid="" treatmentid="">
                            </ClinicalDecisionSupport>
                            <Ultrasound abdominalcircumf="" acdate="" amnioticfluid="" bpd="" bpddate=""
crownrumplength="" crownrumplengthdate="" dateisapprox="" dateperformed=""
deletedby="" deletedon="" encounterid="" femur="" femurdate=""
fetalultrasoundsunits="" fetusno="" gestationalsacdiameter=""
gestationalsacdiameterdate="" hcdate="" headcircumf="" heartbeatrate=""
heartbeattype="" humeruslength="" humeruslengthdate="" instructions=""
lastupdated="" noknown="" nuchalskinfold="" nuchalskinfolddate="" obcareid=""
occipitofrontaldiameter="" occipitofrontaldiameterdate="" overseenby=""
overseenbyid="" patientid="" performedat="" placentacond="" placentapos=""
position="" recordedby="" recordedon="" responsiblephysician=""
ultrasoundcomment="" ultrasoundid="" umbilicalcord="" units="" weight=""
yolksacdiameter="" yolksacdiameterdate="">
                        <Operation>
                            <Operation datedecided="" dateperformed="" datescheduled=""
decidedby="" deletedby="" deletedon="" operatingroom="" operationcomment=""
operationid="" operationreason="" operationstart="" operationtype=""
operationtypedescr="" patientid="" priority="" recordedby="" recordedon=""
responsiblephysician="" status="">
                                <Procedure comment="" cptcode="" description="" laterality=""
operationid="" patientid="" procedureid="" proceduretype="">
                                    <Diagnosis comment="" description="" diagnosisid="" diagnosistype=""
icdcode="" operationid="" patientid="" snocode="">
                                        <Medication comment="" description="" doseamount="" doseform=""
medicationid="" medicationtype="" medid="" ndc="" operationid="" patientid="">

```

```

        <Flow actioncode="" actionname="" actiontype=""
actualtime="" comment="" estimatedtime="" flowid="" operationid="" patientid=""
rank="" />
            <Personal comment="" operationid="" patientid="" personalid=""
userfunction="" userid="" />
        </Operation>
        <Treatment>
            <Treatment begindate="" comment="" deletedby="" deletedon=""
encounterid="" enddate="" frequency="" frequencyunit="" lastupdated=""
lastupdatedby="" nextreviewdate="" outsideinvolvement="" patientcopy=""
patientid="" projectedenddate="" reason="" recordedby="" recordedon=""
responsiblephysician="" reviewinterval="" servicesneeded="" status=""
templateid="" treatmentid="" treatmentname="" treatmenttype="" />
                <Objective begindate="" deletedby="" deletedon="" description=""
enddate="" lastupdated="" lastupdatedby="" objectiveid="" patientid=""
problemid="" projectedenddate="" recordedby="" recordedon="" treatmentid="" />
                    <Problem comment="" deletedby="" deletedon="" description=""
goalcode="" goals="" lastupdated="" lastupdatedby="" patientid="" problemid=""
rank="" recordedby="" recordedon="" snocode="" status="" treatmentid="" />
                    <Medication begindate="" deletedby="" deletedon="" description=""
enddate="" lastupdated="" lastupdatedby="" medicationid="" medid="" patientid=""
prescripmedid="" problemid="" providerid="" recordedby="" recordedon=""
sigtext="" treatmentid="" />
                    <Intervention begindate="" cptcode="" deletedby="" deletedon=""
description="" interventionid="" lastupdated="" lastupdatedby="" patientid=""
problemid="" providerid="" recordedby="" recordedon="" treatmentid="" />
                    <Progress deletedby="" deletedon="" description="" lastupdated=""
lastupdatedby="" patientid="" problemid="" progressid="" progressrating=""
providerid="" recordedby="" recordedon="" reviewdate="" treatmentid="" />
                    <CareTeam careteamid="" careteamtype="" careteamtypeId=""
deletedby="" deletedon="" lastupdated="" lastupdatedby="" patientid=""
providerid="" recordedby="" recordedon="" treatmentid="" />
            </Treatment>
        </MedicalInfo>
    
```

- Miscellaneous.xml

```

<Miscellaneous>
    <Attachments>
        <Attachment attachmentcategory="" attachmentcomment=""
attachmentfileid="" attachmentfor="" attachmentformat="" attachmentid=""
attachmentname="" attachmentviewed="" contentstatus="" dateperformed=""
deletedby="" deletedon="" docid="" encounterid="" externalref="" lastupdated=""
loinc="" pagenames="" patientid="" priority="" recordedby="" recordedon=""
responsiblephysician="" signed="" size="" />
            <MedinfoLink attlinkid="" attachmentid="" patientid=""
refcategory="" refId="" testresult="" />
    </Attachments>
    <Letter communiqueid="" confidential="" deletedby="" deletedon=""
description="" docid="" encounterid="" lastupdated="" lettercomment=""
letterfileId="" letterformat="" patientid="" recordedby="" recordedon=""
responsiblephysician="" sentfrom="" sentto="" signed="" />
    <Directive begindate="" deletedby="" deletedon="" directiveid=""
encounterid="" enddate="" instructions="" lastupdated="" patientid=""
recordedby="" recordedon="" responsiblephysician="" subject="" />

```

```

<Education deletedby="" deletedon="" description="" docid=""
documentname="" edufORMAT="" edusource="" educationid="" encounterid=""
givenforcode="" givenfordescription="" givenfortype="" lastupdated=""
learningbarriers="" pateducateCategory="" pateducomment="" pateduid="" patientid=""
patientresponse="" recordedby="" recordedon="" responsiblephysician=""
teachingmethod="" url=""/>
<ReferralIn authorizationcode="" authorizationEffectivedate=""
authorizationExpirydate="" authorizedTotalVisits="" authorizedUsedVisits=""
confidential="" confirmPatient="" dateRequested="" deletedby="" deletedon=""
eligibility="" insurancePolicyNo="" lastupdated="" obtainedAuthorization=""
patientid="" patInSPolicyId="" priority="" recordedby="" recordedon=""
referralFor="" referralId="" referralReason="" referredBy="" referredByName=""
requestedBy="" serviceRequested="" status="" statusComment="" subject=""/>
<TransitionOfCare beginDate="" clinicId="" deletedby="" deletedon=""
deptId="" direction="" directionDescription="" endDate="" msgId="" patientId=""
patientName="" priority="" receiverId="" receiverName="" recordedBy=""
recordedOn="" referralId="" senderId="" senderName="" summaryOfCareStatus=""
toComment="" toDetail="" toFormType="" toFormTypeDescription="" toReason="" transitionOfCareId=""/>
</Miscellaneous>
```

- Orders.xml

```
<Orders>
<Order classname="" completeByDate="" dateRequested="" deletedBy=""
deletedOn="" description="" encounterId="" medInfoClass="" orderCategoryID=""
patientID="" priority="" receiverID="" receiverName="" recordedBy=""
recordedOn="" requestID="" resultID="" senderID="" senderName=""
statusDisplay="" workToDoComment="" workToDoID="" workToDoStatus=""/>
</Orders>
```

- Patient.xml

```
<Patient>
<Demographic additionalPhone="" age="" alternatePhone="" beeper="" city=""
confidentialCommunicationPreference="" confidentiality="" contactMethod=""
countryCode="" countryOfOrigin="" dateDeceased="" dateOfBirth="" email=""
employmentStatus="" ethnicGroup="" externalId="" familialRelationship=""
familyId="" familySize="" father'sName="" fax="" firstName="" firstVisit=""
gender="" genderDisplay="" genderIdentity="" genderIdentityNote="" homeless=""
identityNo="" identityNoLast4="" immigrationDate="" lastName="" lastUpdated=""
lastVisit="" maidenName="" maritalStatus="" middleName="" migrant="" mobile=""
mobileEmail="" nationality="" noteID="" occupation="" patientComment=""
patientID="" patientLastFirst="" patientName="" patientPrimaryPhone=""
patientStatus="" phone="" phoneLast4="" prefContactMethod="" primaryLanguage=""
primaryPhysician="" race="" raceDisplay="" recordedOn="" referenceNo=""
religion="" reportingStatus="" sexualOrientation="" sexualOrientationNote=""
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yearlyIncome="" zip=""/>
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addressStartEndDateIsApprox="" addressStartDateIsApprox=""
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patientSecondaryPhone="" patientAddressID="" phone="" phoneLast4="" stateCode=""/>
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unformattedmobile="" unformattedphone="" zip="" zipid="" zip4=""/>
</Addresses>
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patientid="">
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displayname="" email="" fax="" firstname="" gender="" identityno=""
institutionname="" isprimary="" lastname="" mobile="" patcontactid=""
patientid="" phone="" relationshipdescription="" statecode="" streetaddress=""
streetaddress2="" zip=""/>
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copay="" copaylevel="" deductible="" description="" enddate="" groupnumber=""
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inscompanyplancity="" inscompanyplancode="" inscompanyplaneligibilityphone=""
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inscompanyplanzip="" inspolicyclassname="" inspolicyid="" insuranceplanid=""
insuredid="" isactive="" isdefault="" patientid="" patinspolicyid="""
plansetid="" policyholdercity="" policyholdercountrycode="""
policyholderdateofbirth="" policyholderfirstname="" policyholdergender="""
policyholderidentityno="" policyholderlastname="" policyholdermiddleinitial="""
policyholderphone="" policyholderrelsnscode="" policyholderrelationship="""
policyholderstatecode="" policyholderstreetaddress="""
policyholderstreetaddress2="" policyholdersuffix="" policyholderzip="""
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firstname="" lastname="" middleinitial="" npi="" patientid="" phone="""
practiceid="" professionalsuffix="" providertype="" statecode="""
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taxonomycode="" title="" upin="" userid="" zip=""/>
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deanumber="" department="" externalid="" fax="" firstname="" gender="""
isprimary="" lastname="" mobile="" mobileemail="" notes="" NPI="""
patcontactid="" patientid="" phone="" phone2="" professionalsuffix="""
providername="" rank="" refproviderid="" role="" specialtycode="""
specialtyname="" state="" suffix="" taxonomycode="" title="" UPIN="" zip=""/>
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ccmchronicconditions="" ccmcomplex="" ccmparticipationelsewhere="" comment="""
consentdate="" consentfor="" consentid="" consentstatus="" dateterminated="""
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lastupdated="" patientid="" PublicityCodeEffectiveDate="" recordedby="""
recordedon="" refconsentid=""/>

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<ConfidentialInfo confidentialinfoid="" deletedby=""
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physicianid="" recordedby="" recordedon="" subject="" />
</Patient>

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- Schedule.xml

```

<Schedule>
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comment="" departmentname="" endtime="" id="" ondate="" patientid="" priority=""
speciality="" status="" subject="" />
</Schedule>

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- Specialty.xml

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presentprismdirleft="" presentprismdirright="" presentprismvaluelft="""
presentprismvaluerght="" presentspherelleft="" presentspherelleftpos="""
presentsphereright="" presentsphererightpos="" presentvisiondefect="""
presentPdc="" recaxisleft="" recaxisright="" recbc="" recbrand="""
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reccylinderrightpos="" recdia="" reclenses="" recnearaddleft="""
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recprismvaluelft="" reciprismvaluerght="" recspherelelfpos="""
recspherelelfpos="" recspherelelfpos="" presentvisiondefect="""
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extraocularunablefollow="" eyeid="" patientid="" testid="" />
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colorna="" colorrightbot="" colorrighttop="" colortype="" eyeid="""
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medicationonna="" patientid="" secondmedicationmedid="" secondmedicationtype="""
testid="" tonometrycomment="" tonometrylefteye="" tonometryyna="""
tonometryrighteye="" tonometrytype="" />
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    <Hearing>

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recordedon="" responsiblephysician="" />
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patientid="" side="" testid="" testtype="" />
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leftvalue="" patientid="" rightbottommask="" righttopmask="" rightvalue="" type="" />
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lastupdated="" levellesthan="" levelmorethan="" numberofdays="" pmedication=""
patientid="" recordedby="" recordedon="" responsiblephysician="" smedication=""
tmedication="" targetfrom="" targetto="" />
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patientid="" rank="" sdoseqty="" tdoseqty="" />
        <CompDose diabetesid="" dosevalue="" label="" patientid=""
rangefrom="" rangeto="" rank="" />
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timeto="" />
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recordedon="" responsiblephysician="" />
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recordedby="" recordedon="" responsiblephysician="" screeningresult="" />
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comment="" geriatricid="" patientid="" questioncategory=""
questiondescription="" questionid="" />
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testCode="" testName="" wheal="" />
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lastupdated="" patientid="" recordedby="" recordedon="" responsiblephysician="" />
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- WomenHealth.xml

```

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    <Obstetrics>

```

```

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deletedon="" DisabilityForms="" duedate="" eligibility="" enddate="" father=""
fatherphone="" formdate="" gestationalage="" hospital="" initialdate=""
insurancepolicyno="" lastupdated="" lmp="" newborndr="" noknown="" obcareid=""
obstetrician="" obtainedauthorization="" partner="" partnerphone="" patientid=""
patinspolicyid="" pcp="" pregnancycode="" pregnancyno="" recordedby=""
recordedon="" referring="" transdate="" transfusion="" tubaldate=""
TubalSterilize="" />
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beginperfbbyname="" breasts="" cervix="" clinicalpelvimetry="" comment=""
deletedby="" deletedon="" encounterid="" extremities="" fibroids="" fundi=""
heart="" heent="" initialexamid="" lastupdated="" lungs="" lymphnodes=""
obcareid="" patientid="" physicaldate="" recordedby="" recordedon="" rectum=""
responsiblephysician="" signedby="" signedon="" skin="" spines="" symptoms=""
teeth="" thyroid="" uterussize="" vagina="" vulva="" />
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DRHSensitizedcomment="" DRHSensitizeddetail="" DRHSensitizedsnocode=""
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drugallergiesnocode="" drugsinpregnancy="" drugsinpregnancy=""
drugsuseyears="" exposedtotb="" exposedtotbcomment="" genitalherpes=""
genitalherpescomment="" genitalherpesdetail="" genitalherpessnocode=""
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gestationaldiabetesdetail="" gestationaldiabetessnocode="" gysurgery=""
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rashviraldetail="" rashviralsnocode="" recordedby="" recordedon=""

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relevantfamilyhistory="" relevantfamilyhistorycomment=""
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        patientid="" perfbynname="" plecentacomplete="" plecentadeliverycomment=""
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        weightreleased=""/>
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patientid="" qdays="" quickening="" qweeks="" recordedby="" recordedon=""
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contractionduration="" deliveryid="" diastolic="" dilation="" effacement=""
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onadmission="" patientid="" position="" pulserate="" recordedon=""
respiratoryrate="" station="" systolic="" />
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lastupdated="" noknown="" obcareid="" patientid="" perfbyname=""
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prenatalinfantpatientno="" prenatalotherprovidersawfirst=""
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prenatalthirdtrimester="" prenataluser="" pretermabor="" recordedby=""
recordedon="" responsiblephysician="" snocode="" />
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ectopics="" fullterm="" lastupdated="" living="" multiplebirths="" patientid=""
premature="" recordedby="" recordedon="" responsiblephysician=""
totalpregnancies="" />
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newbornscreen="" patientid="" Pku="" pregnancyid="" race="" racesub="" T4=""
toxicology="" units="" weightbirth="" weightreleased="" />
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patientid="" proccode="" procdescription="" recordedby="" recordedon=""
responsiblephysician="" terminatereason="" />
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menarcheinterval="" menarchelength="" menarcheonset="" menarchetype=""
menopauseonset="" patientid="" recordedby="" recordedon=""
responsiblephysician="" />
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begininterval="" beginintervalunit="" beginperfbyname="" complaint=""
confidential="" deletedby="" deletedon="" description="" encounterid=""
enddate="" enddateisapprox="" endduration="" endinterval="" endintervalunit=""
endperformedby="" intervaltype="" lastupdated="" menstrualcomment=""
menstrualid="" patientid="" recordedby="" recordedon="" responsiblephysician=""
snocode="" />
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patientid="" recordedby="" recordedon="" responsiblephysician=""  
terminatereason="" />  
</WomenHealth>
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