

eMaRC Plus Physician Reporting Module

Individual Consolidation Directives



Glossary of Directives Used for Physician Reports in eMaRC Plus:

DoNotConsolidateIfAmbiguous: DoNotConsolidateIfAmbiguous will always resolve conflicting values. If all remaining source values are the same, this directive will choose this value. If values are different, it will not update the consolidated value for the field.

EarliestDate(): Selects the earliest chronological date. This directive makes no distinction between a date with known month, day, and year and dates with partial unknown values. For that reason it is usually applied following the directive MostCompleteDate. It accepts a parameter specifying which date to use and can be used to consolidate a non-date field if the parameter specifies a date.

EliminateByPresence: Eliminates a value from consideration in the consolidated decision if other specified values are present. This directive requires the user to specify the conditions under which specific codes are eliminated in the following manner:
EliminateByPresence([ListOfEliminatorCodes],[ListOfCodesToBeEliminated]).

EliminateIfMeetsCondition: Eliminates a value from consideration in the consolidated decision if a specified condition is met. The directive is formed like this:
EliminateIfMeetsCondition([Eliminated Codes],[Condition, like this: "HistTypeICDO3">8010])

FullNameOverInitial: Selects a value with two or more characters over a single character value.

Hierarchy: Selects a value according to its position in a defined list of values listed in priority order. Below is a table showing the established hierarchies for physician reports. An initial character of comma in the HierarchyString indicates that a blank value is first in the string. For some data items, the hierarch of values is included in the actual directive in parentheses, e.g., for thyroid surgery codes: Hierarchy(50,40,30,23,22,21,20,27,26,25,13,00,80,90,99).

FieldName	HierarchyString
ClassCase	14,13,10,12,11,40,41,42,22,21,20,00,43,35,37,30,31,32,33,34,36,38,99,49
GenerationalSuffix	Jr,Sr,II,III,IV,V,VI
RaceCodingSystem	1,2,9,3,4,5,6,7
RxDateBRMFlag	,15,12,11,10
RxDateChemoFlag	,15,12,11,10
RxDateHormFlag	,15,12,11,10
RxDateSurgFlag	,12,11,10
RxDateRadFlag	,15,12,11,10
TypeRepSrc	1,2,8,4,3,5
RxDateOthFlag	,12,11,10
DxDateFlag	,12
FirstRxDtCOCFlag	,12,11,10
RxDateSystemcFlag	,15,12,11,10
AJCCClinGrp	4C,4B,4A2,4A1,4A,4,3C2,3C1,3C,3B,3A,3,2C,2B,2A2,2A1,2A,2,1C,1B2,1B1,1B,1A2,1A1,1A,1,0IS,0S,0A,0,OC,99,88,
AJCCPathGrp	4C,4B,4A2,4A1,4A,4,3C2,3C1,3C,3B,3A,3,2C,2B,2A2,2A1,2A,2,1C,1B2,1B1,1B,1A2,1A1,1A,1,0IS,0S,0A,0,OC,99,88,
FirstRxDtSEERFlag	,12,11,10

HighestCode: Selects the numerically highest code.

KnownOverUnknown: Selects a known value over an unknown value. Blank is always treated as an unknown value. Other values to be considered unknown must be listed in the UnknownValues column of tblConsolidationRules.

LatestDate: Selects the latest chronological date. This directive makes no distinction between a date with known month, day or year and dates with partial unknown values. For that reason it is usually applied following the directive MostCompleteDate.

Longer: Selects the longest of multiple values.

LowestCode: Selects the numerically lowest code.

ManualIfMeetsCondition: Sets a flag for manual review if a certain condition is met. The directive has the following format: ManualIfMeetsCondition([condition])

MostCompleteAddressByDate: Picks the value that has the most complete address by a date field. This directive requires parameters that specify:

- a flag to specify whether to select the one with the Latest or Earliest date
- a date field to use
- the address components
- the weights (priorities) of address components

MostCompleteDate: Selects the date with the most known components.

MostFrequent: Selects the value that occurs most often.

MostRecent(): Selects the value for an item based on a date in the physician reports. If no date is specified as a parameter, Date of Last Contact is used. Any date in the physician report can be used as a parameter.

SameSourceAs(): Selects the value used to select the designated data item as specified in parentheses.

UpdateIfMeetsCondition: Can select as a consolidated value a value that doesn't exist in one of the physician reports if values meet a condition. As an example, if a physician report contained a value of 1 for an item, and another report from the same physician for the same patient and tumor contained a value of 2 for the same item, and if there was a combination code of 3 available for 1 + 2, an UpdateIfMeetsCondition directive could select a value of 3 for the consolidated value.

An UpdateIfMeetsConditionEx directive has been developed to take one additional parameter that will control the behavior of this directive. The following three condition statements have been programmed for this purpose:

UpdateIfMeetsConditionEx(" ", ["DxDate"<20160101],1) – update if DxDate in “any” of the linked abstracts is earlier than 2016¹

UpdateIfMeetsConditionEx(" ", ["DxDate"<20160101],2) – update if DxDate in “all” linked abstracts are earlier than 2016 – may be useful in the future

UpdateIfMeetsConditionEx(" ", ["DxDate"<20160101],3) – update if currently consolidated DxDate is earlier than 2016.

To use this directive, DxDate must be consolidated before the current field by making sure SortOrder on DxDate is lower than that on the current field.

¹ DXdate is is a variable and can be changed.

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
70	Addr at DX--City	MostCompleteAddressByDate(Earliest,Date1stCont,DxState,DxCity,DxPostalZip,DxNumAndSt,DxSupp,DxCountry,(1,2,3,4,5,5));MostRecent	UNKNOWN,UNK		
102	Addr at DX--Country	MostCompleteAddressByDate(Earliest,Date1stCont,DxState,DxCity,DxPostalZip,DxNumAndSt,DxSupp,DxCountry,(1,2,3,4,5,5));MostRecent	ZZU		
2330	Addr at DX--No & Street	MostCompleteAddressByDate(Earliest,Date1stCont,DxState,DxCity,DxPostalZip,DxNumAndSt,DxSupp,DxCountry,(1,2,3,4,5,5));MostRecent	UNKNOWN,UNK		
100	Addr at DX--Postal Code	MostCompleteAddressByDate(Earliest,Date1stCont,DxState,DxCity,DxPostalZip,DxNumAndSt,DxSupp,DxCountry,(1,2,3,4,5,5));MostRecent	99999,999999999		
80	Addr at DX--State	MostCompleteAddressByDate(Earliest,Date1stCont,DxState,DxCity,DxPostalZip,DxNumAndSt,DxSupp,DxCountry,(1,2,3,4,5,5));MostRecent	ZZ		
2335	Addr at DX--Supplementl	MostCompleteAddressByDate(Earliest,Date1stCont,DxState,DxCity,DxPostalZip,DxNumAndSt,DxSupp,DxCountry,(1,2,3,4,5,5));MostRecent	UNKNOWN,UNK		
1810	Addr Current--City	MostCompleteAddressByDate(Latest,DateLastContact,CurrState,CurrCity,CurrPostalZip,CurrNumAndSt,CurrSupp,CurrCountry,(1,2,3,4,5,5));MostRecent	UNKNOWN,UNK		
1832	Addr Current--Country	MostCompleteAddressByDate(Latest,DateLastContact,CurrState,CurrCity,CurrPostalZip,CurrNumAndSt,CurrSupp,CurrCountry,(1,2,3,4,5,5));MostRecent	ZZU		
2350	Addr Current--No & Street	MostCompleteAddressByDate(Latest,DateLastContact,CurrState,CurrCity,CurrPostalZip,CurrNumAndSt,CurrSupp,CurrCountry,(1,2,3,4,5,5));MostRecent	UNKNOWN,UNK		
1830	Addr Current--Postal Code	MostCompleteAddressByDate(Latest,DateLastContact,CurrState,CurrCity,CurrPostalZip,CurrNumAndSt,CurrSupp,CurrCountry,(1,2,3,4,5,5));MostRecent	99999,999999999		
1820	Addr Current--State	MostCompleteAddressByDate(Latest,DateLastContact,CurrState,CurrCity,CurrPostalZip,CurrNumAndSt,CurrSupp,CurrCountry,(1,2,3,4,5,5));MostRecent	ZZ		
2355	Addr Current--Supplementl	MostCompleteAddressByDate(Latest,DateLastContact,CurrState,CurrCity,CurrPostalZip,CurrNumAndSt,CurrSupp,CurrCountry,(1,2,3,4,5,5));MostRecent	UNKNOWN,UNK		
230	AgeDx	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used	999		
1003	AJCCTNMClinM	UpdateIfMeetsConditionEx("","DxDate"<"2018"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown();EliminateByPresence([cM1a,cM1a(0),cM1a(1),cM1b,cM1b(0),cM1b(1),cM1c,cM1c(0),cM1c(1),cM1d,cM1d(99		

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
		0),cM1d(1)),[cM1]);EliminateByPresence([cM1a(1),cM1a(0)],[cM1a]);EliminateByPresence([cM1b(1),cM1b(0)],[cM1b]);EliminateByPresence([cM1c(1),cM1c(0)],[cM1c]);EliminateByPresence([cM1d(1),cM1d(0)],[cM1d]);EliminateByPresence([pM1a,pM1a(0),pM1a(1),pM1b,pM1b(0),pM1b(1),pM1c,pM1c(0),pM1c(1),pM1d,pM1d(0),pM1d(1)], [pM1]);EliminateByPresence([pM1a(1),pM1a(0)], [pM1a]);EliminateByPresence([pM1b(1),pM1b(0)], [pM1b]);EliminateByPresence([pM1c(1),pM1c(0)], [pM1c]);EliminateByPresence([pM1d(1),pM1d(0)], [pM1d]);EliminateByPresence([pM1,pM1a,pM1a(0),pM1a(1),pM1b,pM1b(0),pM1b(1),pM1c,pM1c(0),pM1c(1),pM1d,pM1d(0),pM1d(1)], [cM1,cM1a,cM1a(0),cM1a(1),cM1b,cM1b(0),cM1b(1),cM1c,cM1c(0),cM1c(1),cM1d,cM1d(0),cM1d(1)]);MostRecent			
1002	AJCTNMCLIN	UpdateIfMeetsConditionEx("","DxDate"<"2018"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown();EliminateByPresence([cN0a,cN0b],[cN0]);EliminateByPresence([cN1a,cN1b,cN1c],[cN1]);EliminateByPresence([cN2a,cN2b,cN2c],[cN2]);EliminateByPresence([cN3a,cN3b,cN3c],[cN3]);MostRecent			
1004	AJCTNMCLIN StgGrp	UpdateIfMeetsConditionEx("","DxDate"<"2018"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown();EliminateByPresence([0is,0a],[0]);EliminateByPresence([1A3,1A2,1A1,1A,1B2,1B1,1B,1C,1E,1S],[1]);EliminateByPresence([1A3,1A2,1A1],[1A]);EliminateByPresence([1A3,1A2],[1A1]);EliminateByPresence([1B2,1B1],[1B]);EliminateByPresence([1B2],[1B1]);EliminateByPresence([2A2,2A1,2A,2B,2C,2E,2bulky],[2]);EliminateByPresence([2A2,2A1],[2A]);EliminateByPresence([2A2],[2A1]);EliminateByPresence([3A2,3A1,3A,3B,3C,3C1,3C2],[3]);EliminateByPresence([3A2,3A1],[3A]);EliminateByPresence([3A2],[3A1]);EliminateByPresence([3C2,3C1],[3C]);EliminateByPresence([3C2],[3C1]);EliminateByPresence([4A2,4A1,4A,4B,4C],[4]);EliminateByPresence([4A2,4A1],[4A]);EliminateByPresence([4A2],[4A1]);MostRecent			
1001	AJCTNMCLIN T	UpdateIfMeetsConditionEx("","DxDate"<"2018"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown();EliminateByPresence([cTis(DCIS),cTis(LAMN),cTis(Paget)], [cTis]);EliminateByPresence([cT1a2,cT1a1,cT1a,cT1b2,cT1b1,cT1b,cT1c3,cT1c2,cT1c1,cT1c,cT1d],[cT1]);EliminateByPresence([cT1a2,cT1a1],[cT1a]);EliminateByPresence([cT1a2],[cT1a1]);EliminateByPr			

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
		essence([cT1b2,cT1b1],[cT1b]);EliminateByPresence([cT1b2],[cT1b1]);EliminateByPresence([cT1c3,cT1c2,cT1c1],[cT1c]);EliminateByPresence([cT1c3,cT1c2],[cT1c1]);EliminateByPresence([cT1c3],[cT1c2]);EliminateByPresence([cT2a2,cT2a1,cT2a,cT2b,cT2c,cT2d],[cT2]);EliminateByPresence([cT2a2,cT2a1],[cT2a]);EliminateByPresence([cT2a2],[cT2a1]);EliminateByPresence([cT3a,cT3b,cT3c,cT3d,cT3e],[cT3]);EliminateByPresence([cT4a,cT4b,cT4c,cT4d,cT4e],[cT4]);MostRecent			
1013	AJCCTNMPat hM	UpdateIfMeetsConditionEx("","DxDate"<"2018"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown();EliminateByPresence([pM1a(1),pM1a(0),pM1a,pM1b(1),pM1b(0),pM1b,pM1c(1),pM1c(0),pM1c,pM1d(1),pM1d(0),pM1d],[pM1]);EliminateByPresence([pM1a(1),pM1a(0)],[pM1a]);EliminateByPresence([pM1b(1),pM1b(0)],[pM1b]);EliminateByPresence([pM1c(1),pM1c(0)],[pM1c]);EliminateByPresence([pM1d(1),pM1d(0)],[pM1d]);EliminateByPresence([cM1a,cM1a(0),cM1a(1),cM1b,cM1b(0),cM1b(1),cM1c,cM1c(0),cM1c(1),cM1d,cM1d(0),cM1d(1)],[cM1]);EliminateByPresence([cM1a(1),cM1a(0)],[cM1a]);EliminateByPresence([cM1b(1),cM1b(0)],[cM1b]);EliminateByPresence([cM1c(1),cM1c(0)],[cM1c]);EliminateByPresence([cM1d(1),cM1d(0)],[cM1d]);EliminateByPresence([pM1,pM1a,pM1a(0),pM1a(1),pM1b,pM1b(0),pM1b(1),pM1c,pM1c(0),pM1c(1),pM1d,pM1d(0),pM1d(1)],[cM1,cM1a,cM1a(0),cM1a(1),cM1b,cM1b(0),cM1b(1),cM1c,cM1c(0),cM1c(1),cM1d,cM1d(0),cM1d(1)]);MostRecent			
1012	AJCCTNMPat hN	UpdateIfMeetsConditionEx("","DxDate"<"2018"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown();EliminateByPresence([pN0b,pN0a,pN0(mol+),pN0(i+)],[pN0]);EliminateByPresence([pN1mi,pN1a,pN1a(sn),pN1b,pN1c,pN1d],[pN1]);EliminateByPresence([pN2mi,pN2a,pN2b,pN2c],[pN2]);EliminateByPresence([pN3a,pN3b,pN3c],[pN3]);EliminateByPresence([cN0(i+),cN0a,cN0b],[cN0]);EliminateByPresence([CN1mi,cN1a,cN1b,cN1c],[cN1]);EliminateByPresence([cN2mi,cN2a,cN2b,cN2c],[cN2]);EliminateByPresence([cN3a,cN3b,cN3c],[cN3]);EliminateByPresence([pN3c,pN3b,pN3a,pN3,pN2c,pN2b,pN2a,pN2mi,pN2,pN1c,pN1b,pN1a,pN1a(sn),pN1mi,pN1,pN0b,pN0a,pN0(mol+),pN0(i+),pN0],[cN3c,cN3b,cN3a,cN3,cN2c,cN2b,cN2a,cN2mi,cN2,cN1c,cN1b,cN1a,cN1mi,cN1,cN0(i+),cN0a,cN0b,cN0]);MostRecent			

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
1014	AJCTNMPat hStgGrp	UpdateIfMeetsConditionEx("","DxDate"<"2018"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown();EliminateByPresence([0is,0a],[0]);EliminateByPresence([1A3,1A2,1A1,1A,1B2,1B1,1B,1C,1E,1S],[1]);EliminateByPresence([1A3,1A2,1A1],[1A]);EliminateByPresence([1A3,1A2],[1A1]);EliminateByPresence([1B2,1B1],[1B]);EliminateByPresence([1B2],[1B1]);EliminateByPresence([2A2,2A1,2A,2B,2C,2E,2bulky],[2]);EliminateByPresence([2A2,2A1],[2A]);EliminateByPresence([2A2],[2A1]);EliminateByPresence([3A2,3A1,3A,3B,3C,3C1,3C2,3D],[3]);EliminateByPresence([3A2,3A1],[3A]);EliminateByPresence([3A2],[3A1]);EliminateByPresence([3C2,3C1],[3C]);EliminateByPresence([3C2],[3C1]);EliminateByPresence([4A2,4A1,4A,4B,4C],[4]);EliminateByPresence([4A2,4A1],[4A]);EliminateByPresence([4A2],[4A1]);MostRecent			
1011	AJCTNMPat hT	UpdateIfMeetsConditionEx("","DxDate"<"2018"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown();EliminateByPresence([pT1a2,pT1a1,pT1a,pT1b2,pT1b1,pT1b,pT1c3,pT1c2,pT1c1,pT1c,pT1d],[pT1]);EliminateByPresence([pT1a2,pT1a1],[pT1a]);EliminateByPresence([pT1a2],[pT1a1]);EliminateByPresence([pT1b2,pT1b1],[pT1b]);EliminateByPresence([pT1b2],[pT1b1]);EliminateByPresence([pT1c3,pT1c2,pT1c1],[pT1c]);EliminateByPresence([pT2a2,pT2a1,pT2a,pT2b,pT2c,pT2d],[pT2]);EliminateByPresence([pT2a2,pT2a1],[pT2a]);EliminateByPresence([pT2a2],[pT2a1]);EliminateByPresence([pT3a,pT3b,pT3c,pT3d],[pT3]);EliminateByPresence([pT4a,pT4b,pT4c,pT4d,pT4e],[pT4]);EliminateByPresence([cT1a2,cT1a1,cT1a,cT1b2,cT1b1,cT1b,cT1c3,cT1c2,cT1c1,cT1c,cT1d],[cT1]);EliminateByPresence([cT1a2,cT1a1],[cT1a]);EliminateByPresence([cT1a2],[cT1a1]);EliminateByPresence([cT1b2,cT1b1],[cT1b]);EliminateByPresence([cT1b2],[cT1b1]);EliminateByPresence([cT1c3,cT1c2,cT1c1],[cT1c]);EliminateByPresence([cT1c3,cT1c2],[cT1c1]);EliminateByPresence([cT1c3],[cT1c2]);EliminateByPresence([cT2a2,cT2a1,cT2a,cT2b,cT2c,cT2d],[cT2]);EliminateByPresence([cT2a2,cT2a1],[cT2a]);EliminateByPresence([cT2a2],[cT2a1]);EliminateByPresence([cT3a,cT3b,cT3c,cT3d,cT3e],[cT3]);EliminateByPresence([cT4a,cT4b,cT4c,cT4d,cT4e],[cT4]);MostRecent			
523	Behavior Code ICD-O-3	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used	9		

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
254	Birthplace--Country	SameSourceAs(BPState);MostRecent	ZZU		
252	Birthplace--State	KnownOverUnknown;MostFrequent;MostRecent	ZZ		
280	Census Ind Code 1970-2000	KnownOverUnknown;DoNotConsolidateIfAmbiguous	999		
272	Census Ind Code 2010	KnownOverUnknown;DoNotConsolidateIfAmbiguous	9999		
270	Census Occ Code 1970-2000	KnownOverUnknown;DoNotConsolidateIfAmbiguous	999		
282	Census Occ Code 2010	KnownOverUnknown;DoNotConsolidateIfAmbiguous	9999		
330	Census Occ/Ind Sys 70-00	Hierarchy(5,4,9,)	9		
3110	Comorbid/Compl 1	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3120	Comorbid/Compl 2	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3130	Comorbid/Compl 3	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3140	Comorbid/Compl 3	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3150	Comorbid/Compl 5	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3160	Comorbid/Compl 6	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3161	Comorbid/Compl 7	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3162	Comorbid/Compl 8	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3163	Comorbid/Compl 9	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3164	Comorbid/Compl 10	EarliestDate(Date1stCont); EarliestDate(DateExported)			
90	County at DX	MostCompleteAddressByDate(Earliest,Date1stCont,DxState,DxCity,DxPostalZip,DxNumAndSt,DxSupp,DxCountry,(1,2,3,4,5,5));MostRecent	999		
1840	County--Current	MostCompleteAddressByDate(Latest,DateLastContact,CurrState,CurrCity,CurrPostalZip,CurrNumAndSt,CurrSupp,CurrCountry,(1,2,3,4,5,5));MostRecent	999		
1270	Date 1st Crs RX CoC	KnownOverUnknown;EarliestDate();MostRecent			
1271	Date 1st Crs RX CoC Flag	Hierarchy(FirstRxDtCOCFlag)			

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
2110	Date Case Report Exported	EarliestDate			
1260	Date Initial RX SEER	KnownOverUnknown;EarliestDate();MostRecent			
1261	Date Initial RX SEER Flag	Hierarchy(FirstRxDtSEERFlag)			
580	Date of 1st Contact	KnownOverUnknown;EarliestDate;MostRecent.			
240	Date of Birth	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used			
241	Date of Birth Flag	SameSourceAs(Birthdate);MostRecent			
390	Date of Diagnosis	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used			
391	Date of Diagnosis Flag	SameSourceAs(DxDate);MostRecent			
1750	Date of Last Contact	KnownOverUnknown;LatestDate;MostRecent			
1751	Date of Last Contact Flag	SameSourceAs(DateLastContact);MostRecent			
490	Diagnostic Confirmation	KnownOverUnknown;EliminateByPresence([3],[1,2]);LowestCode()	9		
440	Grade	SameSourceAs(HistTypeICDO3);KnownOverUnknown;MostRecent	9		
3843	Grade - Clinical	SameSourceAs(HistTypeICDO3);KnownOverUnknown;EliminateByPresence([1-5],[L,H]);EliminateByPresence([1-5],[A-E]);EliminateByPresence([L,H,M],[A-D]);MostRecent	9		
3844	Grade - Pathologic	SameSourceAs(HistTypeICDO3);KnownOverUnknown;EliminateByPresence([1-5],[L,H]);EliminateByPresence([1-5],[A-E]);EliminateByPresence([L,H,M],[A-D]);MostRecent	9		
3845	Grade - Post Therapy	SameSourceAs(HistTypeICDO3); MostRecent	9		
522	Histologic Type ICD-O-3	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used			
300	Industry Source	EliminateByPresence([1],[0])	9		

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
2410	Institution Referred From	KnownOverUnknown;MostRecent	009999999 9		
2420	Institution Referred To	KnownOverUnknown;MostRecent	009999999 9		
410	Laterality	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used	9		
150	Marital Status at DX	KnownOverUnknown;EarliestDate(Date1stCont);EliminateByPresence([2-6],[1]);LowestCode	9		
2300	Medical Record Number	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used	UNK		
2315	Medicare Beneficiary Number	KnownOverUnknown;MostFrequent(RepHosp);MostRecent			
2508	EHR Reporting	MostRecent			
2280	Name--Alias	KnownOverUnknown;MostFrequent;MostRecent			
2240	Name--First	KnownOverUnknown;FullNameOverInitial;MostFrequent;MostRecent	UNKNOWN		
2230	Name--Last	KnownOverUnknown;MostRecent	UNKNOWN		
2390	Name--Maiden	KnownOverUnknown;MostFrequent;MostRecent			
2250	Name--Middle	KnownOverUnknown;FullNameOverInitial;MostFrequent;MostRecent			
2270	Name--Suffix	KnownOverUnknown;EliminateByPresence([JR,SR,II,III,IV,V],[MD,RN,PHD,DO]);MostFrequent;MostRecent			
2415	NPI--Inst Referred From	KnownOverUnknown;MostRecent			
2425	NPI--Inst Referred To	KnownOverUnknown;MostRecent			
2495	NPI--Physician 3	KnownOverUnknown;MostRecent			
2505	NPI--Physician 4	KnownOverUnknown;MostRecent			
2475	NPI--Physician--Follow-Up	KnownOverUnknown;MostRecent			
2465	NPI--Physician--Managing	KnownOverUnknown;MostRecent			
2485	NPI--Physician--Primary Surg	KnownOverUnknown;MostRecent			

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
545	NPI-- Reporting Facility	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used			
290	Occupation Source	EliminateByPresence([1],[0])	9		
1506	PhaseRTModality	KnownOverUnknown();EliminateByPresence([01-16],[00]);EliminateByPresence([02-06],[01]);EliminateByPresence([08-12],[07]);EliminateByPresence([14-16],[13]);MostRecent	99		
2490	Physician 3	KnownOverUnknown;MostRecent	00000000,99999999		
2500	Physician 4	KnownOverUnknown;MostRecent	00000000,99999999		
2470	Physician-- Follow-Up	KnownOverUnknown;MostRecent	00000000,99999999		
2460	Physician-- Managing	KnownOverUnknown;MostRecent	00000000,99999999		
630	Primary Payer at DX	KnownOverUnknown;EliminateByPresence([20-68],[10]);EliminateByPresence([61-64],[60]);EarliestDate(Date1stCont)	99		
400	Primary Site	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used			
160	Race 1	KnownOverUnknown;MostRecent	99		
161	Race 2	KnownOverUnknown;MostRecent	99		
162	Race 3	KnownOverUnknown;MostRecent	99		
163	Race 4	KnownOverUnknown;MostRecent	99		
164	Race 5	KnownOverUnknown;MostRecent	99		
1570	Rad--Regional RX Modality	KnownOverUnknown;EliminateByPresence([01-98],[00]); EliminateByPresence([20-85],[98]);EliminateByPresence([21-32],[20]); EliminateByPresence([42-43],[41]);EliminateByPresence([51-55],[50]); MostFrequent;MostRecent	99		
1430	Reason for No Radiation	KnownOverUnknown;EliminateByPresence([1],[0]);	9		
1340	Reason for No Surgery	KnownOverUnknown;EliminateByPresence([1],[0]);	9		
540	Reporting Facility	MostRecent			
1240	RX Date BRM	KnownOverUnknown;EarliestDate();MostRecent			
1241	RX Date BRM Flag	Hierarchy(RxDateBRMFlag)			
1220	RX Date Chemo	KnownOverUnknown;EarliestDate();MostRecent			
1221	RX Date Chemo Flag	Hierarchy(RxDateChemoFlag)			

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
1230	RX Date Hormone	KnownOverUnknown;EarliestDate();MostRecent			
1231	RX Date Hormone Flag	Hierarchy(RxDateHormFlag)			
1210	RxDateRad	KnownOverUnknown;MostCompleteDate;Earliest Date			
1211	RxDateRadFlag	SameSourceAs(RxDateRad);Hierarchy(RxDateRadFlag)			
1200	RX Date Surgery	KnownOverUnknown;EarliestDate();MostRecent			
1201	RX Date Surgery Flag	Hierarchy(RxDateSurgFlag)			
720	RX Hosp--BRM	KnownOverUnknown;EliminateByPresence([01],[*]);EliminateByPresence([00-87],[88]);EliminateByPresence([82-87],[00]);MostRecent	99		
700	RX Hosp--Chemo	KnownOverUnknown;Hierarchy(03,02,01,00,87,86,88,85,82,99)	99		
710	RX Hosp--Hormone	KnownOverUnknown;EliminateByPresence([01],[*]);EliminateByPresence([00-87],[88]);EliminateByPresence([82-87],[00]);MostRecent	99		
730	RX Hosp--Other	KnownOverUnknown;EliminateByPresence([1-8],[0]);EliminateByPresence([1-7],[8]);LowestCode()	9		
690	RX Hosp--Radiation	KnownOverUnknown;EliminateByPresence([4],[*]);EliminateByPresence([1-5],[0]);EliminateByPresence([1-3],[5]);UpdateIfMeetsCondition(4,["RxHRad"]=1] AND ["RxSumRad"]=2-3);HighestCode();MostFrequent;MostRecent	9		
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(60,47,46,45,36,35,34,33,32,31,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite = C440-C449) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Skin surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(54,53,52,51,50,42,41,40,30,26,25,15,19,00,90,99)	99	(PSite = C400-C419,C470-C479,C490-C499) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-	Bones Soft Tiss. Surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(70,50,40,30,25,24,23,22,21,27,26,20,15,14,13,12,11,10,00,80,90,99)	99	(PSite = C649,C659,C669) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Kidney surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(74,73,72,71,70,62,61,60,54,53,52,51,50,40,30,28,25,23,22,21,29,24,27,26,20,17,16,15,14,13,12,11,10,00,90,99)	99	(PSite = C530-C539) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Cervix surgery
s670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(79,78,77,76,75,67,66,65,64,63,62,61,60,50,40,32,31,30,23,22,21,26,25,24,20,16,15,14,13,12,11,10,19,00,90,99)	99	(PSite = C540-C559) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Corpus surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(74,73,72,71,70,63,62,61,60,57,56,55,52,51,50,37,36,35,28,27,26,25,17,00,80,90,99)	99	(PSite = C569) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Ovary surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(40,30,20,12,00,80,90,99)	99	(PSite = C620-C629) AND NOT (HistTypeICDO3 = 9727,9733,9741-	Testis surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(22,21,19,00,80,90,99)	99	(PSite = C422) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946, 9950-9967,9975-9992)	Spleen surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(74,73,72,71,70,64,63,62,61,60,50,30,25,24,23,22,21,27,26,20,16,15,14,13,12,11,10,00,80,90,99)	99	(PSite = C670-C679) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Bladder surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(53,52,51,50,42,41,40,38,37,36,35,34,33,32,31,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite = C079,C080-C089) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Parotid surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(55,40,30,22,21,20,10,00,90,99)	99	(PSite = C700-C709,C710-C719,C720-C729) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832, 9840-9931,9945-9946,9950-9967,9975-9992)	Brain surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(50,40,30,23,22,21,20,27,26,25,13,00,80,90,99)	99	(PSite = C739) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Thyroid surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(62,61,60,51,50,42,41,40,32,31,30,25,15,19,00,90,99)	99	(PSite = C770-C779) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Lymph Nodes surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(60,50,41,40,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite = C142-C148,C170-C179, C239, C240-C249,C260-C269, C300-C301,C310-C319, C339,C379,C380-C388, C390-C399,C480-C488, C510-C519,C529,C570-C579,C589,C600-C609, C630-C639,C680-C689, C690-C699,C740-C749, C750-C759) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Other Sites surgery
670	RX Hosp--Surg Prim Site	UpdateIfMeetsCondition(98, [PSite = C760-C768,C809] AND NOT [HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992])	99	(PSite = C760-768,C809) AND NOT (HistTypeICDO3 =	Unknown Site surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(70,50,30,26,25,24,23,22,21,20,17,16,15,14,10,19,18,00,80,90,99)	99	(PSite = C619) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Prostate surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(70,60,50,40,30,25,21,26,24,23,22,21,29,28,26,27,20,14,13,12,11,10,00,80,90,99)	99	(PSite = C180-C189) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Colon surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(72,71,70,74,73,69,68,62,67,66,65,64,61,60,63,59,58,57,52,56,55,54,53,51,50,76,75,49,48,47,42,46,45,44,43,41,40,30,24,23,22,21,20,19,00,80,90,99)	99	(PSite = C500-C509) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Breast surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(43,42,41,40,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite=C000-C009,C019,C020-C029,C030-C039,C040-C049,C050-C059,C060-C069) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-	Oral Cavity surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9946,9950-9967,9975-9992)	
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(63,62,61,60,52,51,50,42,41,40,33,32,31,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,80,90,99	99	(PSite = C160-C169) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Stomach surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(70,60,57,56,55,51,50,40,31,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,80,90,99)	99	(PSite = C199) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Rectosigmoid surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(70,60,50,40,30,28,25,24,23,22,21,26,27,20,14,13,12,11,10,00,80,90,99)	99	(PSite = C209) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Rectum surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(63,62,61,60,25,24,23,22,21,27,26,20,15,14,13,12,11,10,00,90,99)	99	(PSite = C210-C218) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Anus surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(75,66,65,61,60,59,52,51,50,38,37,36,30,26,25,24,23,22,21,20,17,16,15,14,13,12,11,10,00,90,99)	99	(PSite = C220-C221) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-	Liver surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9946,9950-9967,9975-9992)	
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(50,42,41,40,33,32,31,30,28,25,24,23,22,21,27,26,20,15,14,13,12,11,10,00,80,90,99)	99	(PSite = C320-C329) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Larynx surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(70,60,40,37,36,35,30,25,00,80,90,99)	99	(PSite = C250-C259) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Pancreas surgery
670	RX Hosp--Surg Prim Site	KnowOverUnknown;Hierarchy(80,55,54,53,52,51,50,40,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite = C150-C159) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Esophagus surgery
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(70,66,65,56,55,48,47,46,45,33,30,22,21,25,24,23,20,13,12,15,19,00,80,90,99)	99	(PSite = C340-C349) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Lung surgery
670	RX Hosp--Surg Prim Site	UpdateIfMeetsCondition(98, [PSite = C420,C421,C423,C424] OR [HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992])	99	(PSite = C420,C421,C423,C424) OR (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832, 9840-	HemeRetic surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9931,9945-9946,9950-9967,9975-9992)	
670	RX Hosp--Surg Prim Site	KnownOverUnknown;Hierarchy(52,51.50,43,42,41,40,32,31,30,28,25,24,23,22,21,27,26,20,15,14,13,12,11,10,00,90,99)	99	(PSite = C090-C099, C100-C109,C110-C119, C129,C130-C139,C140) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Pharynx surgery
1410	RX Summ--BRM	KnownOverUnknown;EliminateByPresence([01],[*]);EliminateByPresence([00-87],[88]);EliminateByPresence ([82-87],[00]); MostRecent	99		
1390	RX Summ--Chemo	KnownOverUnknown;Hierarchy(03,02,01,00,87,86,88,85,82,99); MostRecent	99		
1400	RX Summ--Hormone	KnownOverUnknown;EliminateByPresence([01],[*]);EliminateByPresence([00-87],[88]);EliminateByPresence ([82-87],[00]); MostRecent	99		
1360	RX Summ--Radiation	KnownOverUnknown;EliminateByPresence([4],[*]);EliminateByPresence([1-5],[0]);EliminateByPresence([1-3],[5]);UpdateIfMeetsCondition(4,["RxSumRad"]=1] AND ["RxSumRad"]=2-3));HighestCode();MostFrequent;MostRecent			
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(54,53,52,51,50,42,41,40,30,26,25,15,19,00,90,99)	99	(PSite = C400-C419, C470-C479,C490-C499) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Bones Soft Tiss. Surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(75,66,65,61,60,59,52,51,50,38,37,36,30,26,25,24,23,22,21,20,17,16,15,14,13,12,11,10,00,90,99)	99	(PSite = C220-C221) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-	Liver surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9931,9945-9946,9950-9967,9975-9992)	
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(22,21,19,00,80,90,99)	99	(PSite = C422) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Spleen surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(60,47,46,45,36,35,34,33,32,31,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite = C440-C449) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Skin surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(70,66,65,56,55,48,47,46,45,33,30,22,21,25,24,23,20,13,12,15,19,00,80,90,99)	99	(PSite = C340-C349) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Lung surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(50,42,41,40,33,32,31,30,28,25,24,23,22,21,27,26,20,15,14,13,12,11,10,00,80,90,99)	99	(PSite = C320-C329) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832, 9840-9931,9945-9946,9950-9967,9975-9992)	Larynx surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(70,60,40,37,36,35,30,25,00,80,90,99)	99	(PSite = C250-C259) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-	Pancreas surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9931,9945-9946,9950-9967,9975-9992)	
1290	RX Summ--Surg Prim Site	UpdateIfMeetsCondition(98, [PSite = C420,C421,C423,C424] OR [HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992])	99	(PSite = C420,C421,C423,C424) OR (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	HemeRetic surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(63,62,61,60,25,24,23,22,21,27,26,20,15,14,13,12,11,10,00,90,99)	99	(PSite = C210-C218) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Anus surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(70,60,50,40,30,28,25,24,23,22,21,26,27,20,14,13,12,11,10,00,80,90,99)	99	(PSite = C209) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Rectum surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(63,62,61,60,52,51,50,42,41,40,33,32,31,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,80,90,99)	99	(PSite = C160-C169) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Stomach surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(70,60,50,40,30,25,21,26,24,23,22,21,29,28,26,27,20,14,13,12,11,10,00,80,90,99)	99	(PSite = C180-C189) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-	Colon surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(72,71,70,74,73,69,68,62,67,66,65,64,61,60,63,59,58,57,52,56,55,54,53,51,50,76,75,49,48,47,42,46,45,44,43,41,40,30,24,23,22,21,20,19,00,80,90,99)	99	(PSite = C500-C509) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Breast surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(55,40,30,22,21,20,10,00,90,99)	99	(PSite = C700-C709,C710-C719,C720-C729) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Brain surgery
1290	RX Summ--Surg Prim Site	KnowOverUnknown;Hierarchy(80,55,54,53,52,51,50,40,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite = C150-C159) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Esophagus surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(52,51,50,43,42,41,40,32,31,30,28,25,24,23,22,21,27,26,20,15,14,13,12,11,10,00,90,99)	99	(PSite = C090-C099,C100-C109,C110-C119,C129,C130-C139,C140) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Pharynx surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
1290	RX Summ-- Surg Prim Site	KnownOverUnknown;Hierarchy(53,52,51,50,42,41,40,38,37,36,35,34,33,32,31,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite = C079,C080-C089) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Parotid surgery
1290	RX Summ-- Surg Prim Site	KnownOverUnknown;Hierarchy(43,42,41,40,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite=C000-C009,C019,C020-C029,C030-C039,C040-C049,C050-C059,C060-C069) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Oral Cavity surgery
1290	RX Summ-- Surg Prim Site	KnownOverUnknown;Hierarchy(70,60,57,56,55,51,50,40,31,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,80,90,99)	99	(PSite = C199) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Rectosigmoid surgery
1290	RX Summ-- Surg Prim Site	UpdateIfMeetsCondition(98, [PSite = C760-C768,C809] AND NOT [HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992])	99	(PSite = C760-768,C809) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Unknown Site surgery
1290	RX Summ-- Surg Prim Site	KnownOverUnknown;Hierarchy(70,50,40,30,25,24,23,22,21,27,26,20,15,14,13,12,11,10,00,80,90,99)	99	(PSite = C649,C659,C669) AND NOT	Kidney surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				(HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	
1290	RX Summ-- Surg Prim Site	KnownOverUnknown;Hierarchy(74,73,72,71,70,62,61,60,54,53,52,51,50,40,30,28,25,23,22,21,29,24,27,26,20,17,16,15,14,13,12,11,10,00,90,99)	99	(PSite = C530-C539) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Cervix surgery
1290	RX Summ-- Surg Prim Site	KnownOverUnknown;Hierarchy(60,50,41,40,30,25,24,23,22,21,27,26,20,14,13,12,11,10,00,90,99)	99	(PSite = C142-C148,C170-C179,C239,C240-C249,C260-C269, C300-C301,C310-C319, C339,C379,C380-C388, C390-C399,C480-C488, C510-C519,C529,C570-C579,C589,C600-C609, C630-C639,C680-C689, C690-C699,C740-C749, C750-C759) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Other Sites surgery
1290	RX Summ-- Surg Prim Site	KnownOverUnknown;Hierarchy(62,61,60,51,50,42,41,40,32,31,30,25,15,19,00,90,99)	99	(PSite = C770-C779) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-	Lymph Nodes surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9931,9945-9946,9950-9967,9975-9992)	
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(50,40,30,23,22,21,20,27,26,25,13,00,80,90,99)	99	(PSite = C739) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Thyroid surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(74,73,72,71,70,64,63,62,61,60,50,30,25,24,23,22,21,27,26,20,16,15,14,13,12,11,10,00,80,90,99)	99	(PSite = C670-C679) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Bladder surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(40,30,20,12,00,80,90,99)	99	(PSite = C620-C629) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Testis surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(70,50,30,26,25,24,23,22,21,20,17,16,15,14,10,19,18,00,80,90,99)	99	(PSite = C619) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Prostate surgery
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(74,73,72,71,70,63,62,61,60,57,56,55,52,51,50,37,36,35,28,27,26,25,17,00,80,90,99)	99	(PSite = C569) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742,9764-9809,9832,9840-	Ovary surgery

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
				9931,9945-9946,9950-9967,9975-9992)	
1290	RX Summ--Surg Prim Site	KnownOverUnknown;Hierarchy(79,78,77,76,75,67,66,65,64,63,62,61,60,50,40,32,31,30,23,22,21,26,25,24,20,16,15,14,13,12,11,10,19,00,90,99)	99	(PSite = C540-C559) AND NOT (HistTypeICDO3 = 9727,9733,9741-9742, 9764-9809,9832,9840-9931,9945-9946,9950-9967,9975-9992)	Corpus surgery
1380	RX Summ--Surg/Rad Seq	KnownOverUnknown;EliminateByPresence([2-6],[0]);MostRecent	9		
1639	RX Summ--Systemic/Sur Seq	KnownOverUnknown;EliminateByPresence([2-6],[0]);MostRecent	9		
1825	RX Summ--Treatment Status	KnownOverUnknown;EliminateByPresence([1],[*]);EliminateByPresence([1-2],[0]);EliminateByPresence([1],[2]);MostRecent			
2660	RX Text--BRM	No directive; initial abstract value will be used			
2640	RX Text--Chemo	No directive; initial abstract value will be used			
2650	RX Text--Hormone	No directive; initial abstract value will be used			
2670	RX Text--Other	No directive; initial abstract value will be used			
2620	RX Text--Radiation (Beam)	No directive; initial abstract value will be used			
2630	RX Text--Radiation Other	No directive; initial abstract value will be used			
3780	Secondary Diagnosis 1	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3782	Secondary Diagnosis 2	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3784	Secondary Diagnosis 3	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3786	Secondary Diagnosis 4	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3788	Secondary Diagnosis 5	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3790	Secondary Diagnosis 6	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3792	Secondary Diagnosis 7	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3794	Secondary Diagnosis 8	EarliestDate(Date1stCont); EarliestDate(DateExported)			

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
3796	Secondary Diagnosis 9	EarliestDate(Date1stCont); EarliestDate(DateExported)			
3798	Secondary Diagnosis 10	EarliestDate(Date1stCont); EarliestDate(DateExported)			
759	SEER Summary Stage 2000	EliminateByPresence([0-7],[8-9]);HighestCode	9		
764	SEER Summary Stage 2018	EliminateByPresence([0-7],[8-9]);HighestCode	9		
220	Sex	KnownOverUnknown;MostFrequent;MostRecent	9		
2320	Social Security Number	No directive because data item is used in the Multiple Record Management Matching Algorithm; initial abstract value will be used			
190	Spanish/Hispanic Origin	KnownOverUnknown;EliminateByPresence([0-6,8],[7]); EliminateByPresence([0-5,8],[6]); MostFrequent;MostRecent	9		
2360	Telephone	KnownOverUnknown;MostRecent	000000000 0,9999999 999		
2550	Text--DxProc-Lab Texts	No directive; initial abstract value will be used			
2560	Text--DX Proc--OP	No directive; initial abstract value will be used			
2520	Text--DX Proc--PE	No directive; initial abstract value will be used			
2570	Text--DX Proc--Path	No directive; initial abstract value will be used			
2540	Text--DX Proc--Scopes	No directive; initial abstract value will be used			
2530	Text--DX Proc--X-ray/Scan	No directive; initial abstract value will be used			
2590	Text--Histology Title	No directive; initial abstract value will be used			
2690	Text--Place of Diagnosis	No directive; initial abstract value will be used			
2580	Text--Primary Site Title	No directive; initial abstract value will be used			
2680	Text--Remarks	No directive; initial abstract value will be used			
2600	Text--Staging	No directive; initial abstract value will be used			
310	Text--Usual Occupation	No directive; initial abstract value will be used			
320	Text--Usual Industry	No directive; initial abstract value will be used			

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
980	TNM Clin Descriptor	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);KnownOverUnknown;MostRecent	9		
960	TNM Clin M	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;EliminateByPresence([c1A,c1B,c1C,c1D,c1E],[c1]);EliminateByPresence([p1A,p1B,p1C,p1D,p1E],[p1]);EliminateByPresence([p1,p1A,p1B,p1C,p1D,p1E],[c1,c1A,c1B,c1C,c1D,c1E]);UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;EliminateByPresence([c1A,c1B,c1C,c1D,c1E],[c1]);EliminateByPresence([p1A,p1B,p1C,p1D,p1E],[p1]);EliminateByPresence([p1,p1A,p1B,p1C,p1D,p1E],[c1,c1A,c1B,c1C,c1D,c1E]);MostRecent			
950	TNM Clin N	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;EliminateByPresence([c0A,c0B],[c0]);EliminateByPresence([c1A,c1B,c1C],[c1]);EliminateByPresence([c2A,c2B,c2C],[c2]);EliminateByPresence([c3A,c3B,c3C],[c3]);MostRecent			
970	TNM Clin Stage Group	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;EliminateByPresence([0IS,0A],[0]);EliminateByPresence([1A2,1A1,1A,1B2,1B1,1B,1C],[1]);EliminateByPresence([1A2,1A1],[1A]);EliminateByPresence([1A2],[1A1]);EliminateByPresence([1B2,1B1],[1B]);EliminateByPresence([1B2],[1B1]);EliminateByPresence([2A2,2A1,2A,,2B,2C],[2]);EliminateByPresence([2A2,2A1],[2A]);EliminateByPresence([2A2],[2A1]);EliminateByPresence([3A,3B,3C,3C1,3C2],[3]);EliminateByPresence([3C2,3C1],[3C]);EliminateByPresence([3C2],[3C1]);EliminateByPresence([4A2,4A1,4A,4B,4C],[4]);EliminateByPresence([4A2,4A1],[4A]);EliminateByPresence([4A2],[4A1]);ManualIfAmbiguous;MostRecent	99		
990	TNM Clin Staged By	SameSourceAs(AJCCClinGrp);MostRecent	9		
940	TNM Clin T	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;EliminateByPresence([c1A2,c1A1,c1A,c1B2,c1B1,c1B,c1C,c			

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
		1D],[c1]);EliminateByPresence([c1A2,c1A1],[c1A]);EliminateByPresence([c1A2],[c1A1]);EliminateByPresence([c1B2,c1B1],[c1B]);EliminateByPresence([c1B2],[c1B1]);EliminateByPresence([c2A2,c2A1,c2A,c2B,c2C,c2D],[c2]);EliminateByPresence([c2A2,c2A1],[c2A]);EliminateByPresence([c2A2],[c2A1]);EliminateByPresence([c3A,c3B,c3C,c3D],[c3]);EliminateByPresence([c4A,c4B,c4C,c4D,c4E],[c4]);MostRecent			
1060	TNM Edition Number	SameSourceAs(AJCCClinGrp);MostRecent	9		
920	TNM Path Descriptor	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);KnownsOverUnknown;MostRecent	9		
900	TNM Path M	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;EliminateByPresence([p1A, p1B,p1C,p1D,p1E],[p1]);EliminateByPresence([c1A, c1B,c1C,c1D,c1E],[c1]);EliminateByPresence([p1,p1A, p1B,p1C,p1D,p1E],[c1,c1A,c1B,c1C,c1D,c1E]);MostRecent			
890	TNM Path N	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;EliminateByPresence([p0I-,p0I+,p0M-,p0M+,p0A,p0B],[p0]);EliminateByPresence([p1A, p1B,p1C],[p1]);EliminateByPresence([p2A,p2B,p2C],[p2]);EliminateByPresence([p3A,p3B,p3C],[p3]);EliminateByPresence([p0],[c0]);MostRecent			
910	TNM Path Stage Group	UpdateIfMeetsConditionEx("","DxDate"<"2016"),3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;EliminateByPresence([0IS,0A],[0]);EliminateByPresence([1A2,1A1,1A,1B2,1B1,1B,1C],[1]);EliminateByPresence([1A2,1A1],[1A]);EliminateByPresence([1A2],[1A1]);EliminateByPresence([1B2,1B1],[1B]);EliminateByPresence([1B2],[1B1]);EliminateByPresence([2A2,2A1,2A,,2B,2C],[2]);EliminateByPresence([2A2,2A1],[2A]);EliminateByPresence([2A2],[2A1]);EliminateByPresence([3A,3B,3C,3C1,3C2],[3]);EliminateByPresence([3C2,3C1],[3C]);EliminateByPresence([3C2],[3C1]);EliminateByPresence([4A2,4A1,4A,4B,4C],[4]);EliminateByPresence([4A2,4A1],[4A]);EliminateByPresence([4A2],[4A1]);sMostRecent	99		
930	TNM Path Staged By	SameSourceAs(AJCCPathGrp);MostRecent	9		

NAACCR Item #	NAACCR Item Name	DirectivesString	Unknown Values	Rule_Selection	Condition Name
880	TNM Path T	UpdateIfMeetsConditionEx(" ",["DxDate"<"2016"],3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;Eliminat eByPresence([p1A2,p1A1,p1A,p1B2,p1B1,p1B,p1C ,p1D],[p1]);EliminateByPresence([p1A2,p1A1],[p1 A]); EliminateByPresence([p1A2],[p1A1]);EliminateByP resence([p1B2,p1B1],[p1B]);EliminateByPresence([p1B2],[p1B1]);EliminateByPresence([p2A2,p2A1, p2A,p2B,p2C,p2D],[p2]);EliminateByPresence([p2 A2,p2A1],[p2A]); EliminateByPresence([p2A2],[p2A1]);EliminateByP resence([p3A,p3B,p3C,p3D],[p3]); EliminateByPresence([p4A,p4B,p4C,p4D,p4E],[p4]);UpdateIfMeetsConditionEx(" ",["DxDate"<"2016"],3);ManualIfMeetsCondition(["ClassCase"="99"]);KnownOverUnknown;Eliminat eByPresence([p1A2,p1A1,p1A,p1B2,p1B1,p1B,p1C ,p1D],[p1]);EliminateByPresence([p1A2,p1A1],[p1 A]); EliminateByPresence([p1A2],[p1A1]);EliminateByP resence([p1B2,p1B1],[p1B]);EliminateByPresence([p1B2],[p1B1]);EliminateByPresence([p2A2,p2A1, p2A,p2B,p2C,p2D],[p2]);EliminateByPresence([p2 A2,p2A1],[p2A]); EliminateByPresence([p2A2],[p2A1]);EliminateByP resence([p3A,p3B,p3C,p3D],[p3]); EliminateByPresence([p4A,p4B,p4C,p4D,p4E],[p4]);MostRecent			