

## Default tags used in de-identification filter

Definitions of terms:

**hash** – will generate a replacement value using a SHA hash algorithm

**delete** – tag is completely deleted from DICOM header

**Autofill** – Standardized replacement value is used, usually “Anonymized”

**GenerateUID** – new, randomized, distinct UID is created each time

**TransformUID** – applies a transformation algorithm that produces a unique replacement value for UID

<b>Attribute Name</b>	<b>Tag</b>	<b>Operation</b>
Accession Number	0008,0050	hash
Acquisition Context Sequence	0040,0555	delete
Acquisition Date	0008,0022	autofill
Acquisition DateTime	0008,002A	autofill
Acquisition Device Processing Description	0018,1400	autofill
Acquisition Protocol Description	0018,9424	autofill
Acquisition Time	0008,0032	autofill
Actual Human Performers Sequence	0040,4035	delete
Additional Patient's History	0010,21B0	autofill
Address (Trial)	0040,A353	autofill
Admission ID	0038,0010	hash
Admitting Date	0038,0020	autofill
Admitting Diagnoses Code Sequence	0008,1084	delete
Admitting Diagnoses Description	0008,1080	autofill
Admitting Time	0038,0021	autofill
Affected SOP Instance UID	0000,1000	GenerateUID
Allergies	0010,2110	autofill
Arbitrary	4000,0010	autofill
Author Observer Sequence	0040,A078	delete
Barcode Value	2200,0005	autofill
Beam Description	300A,00C3	autofill
Bolus Description	300A,00DD	autofill
Branch of Service	0010,1081	autofill
Camera Owner Name	0016,004D	autofill
Cassette ID	0018,1007	hash
Comments on the Performed Procedure Step	0040,0280	autofill
Compensator Description	300A,02EB	autofill
Concatenation UID	0020,9161	TransformUID
Confidentiality Constraint on Patient Data Description	0040,3001	autofill

Consulting Physician's Name	0008,009C	autofill
Consulting Physician Identification Sequence	0008,009D	delete
Container Component ID	0050,001B	hash
Container Description	0040,051A	autofill
Container Identifier	0040,0512	autofill
Content Creator's Identification Code Sequence	0070,0086	delete
Content Creator's Name	0070,0084	autofill
Content Date	0008,0023	autofill
Content Sequence	0040,A730	delete
Content Time	0008,0033	autofill
Contrast Bolus Agent	0018,0010	autofill
Contribution Description	0018,A003	autofill
Country of Residence	0010,2150	autofill
Current Observer (Trial)	0040,A307	autofill
Current Patient Location	0038,0300	autofill
Curve Data	50xx,xxxx	autofill
Curve Date	0008,0025	autofill
Curve Time	0008,0035	autofill
Custodial Organization Sequence	0040,A07C	delete
Data Set Trailing Padding	FFFC,FFFC	autofill
Derivation Description	0008,2111	autofill
Detector ID	0018,700A	hash
Device Serial Number	0018,1000	autofill
Device Setting Description	0016,004B	autofill
Device UID	0018,1002	TransformUID
Digital Signatures Sequence	FFFA,FFFA	delete
Digital Signature UID	0400,0100	TransformUID
Dimension Organization UID	0020,9164	TransformUID
Discharge Diagnosis Description	0038,0040	autofill
Distribution Address	4008,011A	autofill
Distribution Name	4008,0119	autofill
Dose Reference Description	300A,0016	autofill
Dose Reference UID	300A,0013	TransformUID
End Acquisition DateTime	0018,9517	autofill
Ethnic Group	0010,2160	autofill
Expected Completion DateTime	0040,4011	autofill
Failed SOP Instance UID List	0008,0058	TransformUID
Fiducial UID	0070,031A	TransformUID
Filler Order Number / Imaging Service Request	0040,2017	autofill
First Treatment Date	3008,0054	autofill
Fixation Device Description	300A,0196	autofill
Fraction Group Description	300A,0072	autofill
Frame Comments	0020,9158	autofill
Frame of Reference UID	0020,0052	TransformUID
Gantry ID	0018,1008	hash

Generator ID	0018,1005	hash
GPS Altitude	0016,0076	autofill
GPS Altitude Ref	0016,0075	autofill
GPS Area Information	0016,008C	autofill
GPS Date Stamp	0016,008D	autofill
GPS Dest Bearing	0016,0088	autofill
GPS Dest Bearing Ref	0016,0087	autofill
GPS Dest Distance	0016,008A	autofill
GPS Dest Distance Ref	0016,0089	autofill
GPS Dest Latitude	0016,0084	autofill
GPS Dest Latitude Ref	0016,0083	autofill
GPS Dest Longitude	0016,0086	autofill
GPS Dest Longitude Ref	0016,0085	autofill
GPS Differential	0016,008E	autofill
GPS DOP	0016,007B	autofill
GPS Img Direction	0016,0081	autofill
GPS Img Direction Ref	0016,0080	autofill
GPS Latitude	0016,0072	autofill
GPS Latitude Ref	0016,0071	autofill
GPS Longitude	0016,0074	autofill
GPS Longitude Ref	0016,0073	autofill
GPS Map Datum	0016,0082	autofill
GPS Measure Mode	0016,007A	autofill
GPS Processing Method	0016,008B	autofill
GPS Satellites	0016,0078	autofill
GPS Speed	0016,007D	autofill
GPS Speed Ref	0016,007C	autofill
GPS Status	0016,0079	autofill
GPS Time Stamp	0016,0077	autofill
GPS Track	0016,007F	autofill
GPS Track Ref	0016,007E	autofill
GPS Version ID	0016,0070	hash
Graphic Annotation Sequence	0070,0001	delete
Human Performers Name	0040,4037	autofill
Human Performers Organization	0040,4036	autofill
Icon Image Sequence(see Note 12)	0088,0200	delete
Identifying Comments	0008,4000	autofill
Image Comments	0020,4000	autofill
Image Presentation Comments	0028,4000	autofill
Imaging Service Request Comments	0040,2400	autofill
Impressions	4008,0300	autofill
Instance Coercion DateTime	0008,0015	autofill
Instance Creator UID	0008,0014	TransformUID
Instance Origin Status	0400,0600	autofill
Institution Address	0008,0081	autofill
Institutional Department Name	0008,1040	autofill
Institutional Department Type Code Sequence	0008,1041	delete
Institution Code Sequence	0008,0082	delete

Institution Name	0008,0080	autofill
Insurance Plan Identification	0010,1050	autofill
Intended Recipients of Results	0040,1011	delete
Identification Sequence		
Interpretation Approver Sequence	4008,0111	delete
Interpretation Author	4008,010C	autofill
Interpretation Diagnosis	4008,0115	autofill
Description		
Interpretation ID Issuer	4008,0202	autofill
Interpretation Recorder	4008,0102	autofill
Interpretation Text	4008,010B	autofill
Interpretation Transcriber	4008,010A	autofill
Irradiation Event UID	0008,3010	TransformUID
Issuer of Admission ID	0038,0011	hash
Issuer of Admission ID Sequence	0038,0014	delete
Issuer of Patient ID	0010,0021	hash
Issuer of Service Episode ID	0038,0061	hash
Issuer of Service Episode ID	0038,0064	delete
Sequence		
Issuer of the Container Identifier	0040,0513	delete
Sequence		
Issuer of the Specimen Identifier	0040,0562	delete
Sequence		
Label Text	2200,0002	autofill
Large Palette Color Lookup Table	0028,1214	TransformUID
UID		
Last Menstrual Date	0010,21D0	autofill
Lens Make	0016,004F	autofill
Lens Model	0016,0050	autofill
Lens Serial Number	0016,0051	autofill
Lens Specification	0016,004E	autofill
MAC	0400,0404	autofill
Maker Note	0016,002B	autofill
Media Storage SOP Instance UID	0002,0003	TransformUID
Medical Alerts	0010,2000	autofill
Medical Record Locator	0010,1090	autofill
Military Rank	0010,1080	autofill
Modified Attributes Sequence	0400,0550	delete
Modified Image Description	0020,3406	autofill
Modifying Device ID	0020,3401	autofill
Most Recent Treatment Date	3008,0056	autofill
Name of Physician(s) Reading Study	0008,1060	autofill
Names of Intended Recipient of	0040,1010	autofill
Results		
Observation Date (Trial)	0040,A192	autofill
Observation Subject UID (Trial)	0040,A402	TransformUID
Observation Time (Trial)	0040,A193	autofill
Observation UID	0040,A171	TransformUID
Occupation	0010,2180	autofill

Operators' Identification Sequence	0008,1072	delete
Operators' Name	0008,1070	autofill
Order Callback Phone Number	0040,2010	autofill
Order Callback Telecom Information	0040,2011	autofill
Order Entered By	0040,2008	autofill
Order Enterer Location	0040,2009	autofill
Original Attributes Sequence	0400,0561	delete
Other Patient IDs	0010,1000	hash
Other Patient IDs Sequence	0010,1002	delete
Other Patient Names	0010,1001	autofill
Overlay Comments	60xx,4000	autofill
Overlay Data	60xx,3000	autofill
Overlay Date	0008,0024	autofill
Overlay Time	0008,0034	autofill
Palette Color Lookup Table UID	0028,1199	TransformUID
Participant Sequence	0040,A07A	delete
Patient's Age	0010,1010	autofill
Patient's Birth Date	0010,0030	autofill
Patient's Birth Name	0010,1005	autofill
Patient's Birth Time	0010,0032	autofill
Patient's Institution Residence	0038,0400	autofill
Patient's Insurance Plan Code Sequence	0010,0050	delete
Patient's Mother's Birth Name	0010,1060	autofill
Patient's Name	0010,0010	hash
Patient's Primary Language Code Sequence	0010,0101	delete
Patient's Primary Language Modifier Code Sequence	0010,0102	delete
Patient's Religious Preference	0010,21F0	autofill
Patient's Sex	0010,0040	autofill
Patient's Size	0010,1020	autofill
Patient's Telecom Information	0010,2155	autofill
Patient's Telephone Numbers	0010,2154	autofill
Patient's Weight	0010,1030	autofill
Patient Address	0010,1040	autofill
Patient Comments	0010,4000	autofill
Patient ID	0010,0020	hash
Patient Sex Neutered	0010,2203	autofill
Patient State	0038,0500	autofill
Patient Transport Arrangements	0040,1004	autofill
Performed Location	0040,0243	autofill
Performed Procedure Step Description	0040,0254	autofill
Performed Procedure Step End Date	0040,0250	autofill
Performed Procedure Step End DateTime	0040,4051	autofill
Performed Procedure Step End Time	0040,0251	autofill
Performed Procedure Step ID	0040,0253	hash

Performed Procedure Step Start Date	0040,0244	autofill
Performed Procedure Step Start DateTime	0040,4050	autofill
Performed Procedure Step Start Time	0040,0245	autofill
Performed Station AE Title	0040,0241	autofill
Performed Station Geographic Location Code Sequence	0040,4030	delete
Performed Station Name	0040,0242	autofill
Performed Station Name Code Sequence	0040,4028	delete
Performing Physician Identification Sequence	0008,1052	delete
Performing Physicians' Name	0008,1050	autofill
Person's Telecom Information	0040,1104	autofill
Person's Telephone Numbers	0040,1103	autofill
Person Address	0040,1102	autofill
Person Identification Code Sequence	0040,1101	delete
Person Name	0040,A123	autofill
Physician(s) of Record	0008,1048	autofill
Physician(s) of Record Identification Sequence	0008,1049	delete
Physician(s) Reading Study Identification Sequence	0008,1062	delete
Physician Approving Interpretation	4008,0114	autofill
Placer Order Number / Imaging Service Request	0040,2016	autofill
Plate ID	0018,1004	hash
Pregnancy Status	0010,21C0	autofill
Pre-Medication	0040,0012	autofill
Prescription Description	300A,000E	autofill
Presentation Display Collection UID	0070,1101	TransformUID
Presentation Sequence Collection UID	0070,1102	TransformUID
Private attributes	gggg,eeee	autofill
Procedure Step Cancellation DateTime	0040,4052	autofill
Protocol Name	0018,1030	autofill
Reason for Omission Description	300C,0113	autofill
Reason for Study	0032,1030	autofill
Reason for the Imaging Service Request	0040,2001	autofill
Reason for the Requested Procedure	0040,1002	autofill
Reason for Requested Procedure Code Sequence	0040,100A	delete
Reason for Visit	0032,1066	autofill
Reason for Visit Code Sequence	0032,1067	delete
Referenced Digital Signature Sequence	0400,0402	delete
Referenced Dose Reference UID	300A,0083	TransformUID

Referenced Frame of Reference UID	3006,0024	TransformUID
Referenced General Purpose	0040,4023	TransformUID
Scheduled Procedure Step		
Transaction UID		
Referenced Image Sequence	0008,1140	delete
Referenced Observation UID (Trial)	0040,A172	TransformUID
Referenced Patient Alias Sequence	0038,0004	delete
Referenced Patient Photo Sequence	0010,1100	delete
Referenced Patient Sequence	0008,1120	delete
Referenced Performed Procedure Step	0008,1111	delete
Sequence		
Referenced SOP Instance MAC	0400,0403	delete
Sequence		
Referenced SOP Instance UID	0008,1155	TransformUID
Referenced SOP Instance UID in File	0004,1511	TransformUID
Referenced Study Sequence	0008,1110	delete
Referring Physician's Address	0008,0092	autofill
Referring Physician's Name	0008,0090	hash
Referring Physician's Telephone	0008,0094	autofill
Numbers		
Referring Physician Identification	0008,0096	delete
Sequence		
Region of Residence	0010,2152	autofill
Related Frame of Reference UID	3006,00C2	TransformUID
Request Attributes Sequence	0040,0275	delete
Requested Contrast Agent	0032,1070	autofill
Requested Procedure Comments	0040,1400	autofill
Requested Procedure Description	0032,1060	autofill
Requested Procedure ID	0040,1001	hash
Requested Procedure Location	0040,1005	autofill
Requested SOP Instance UID	0000,1001	TransformUID
Requesting Physician	0032,1032	autofill
Requesting Service	0032,1033	autofill
Respiratory Motion Compensation	0018,9185	autofill
Technique Description		
Responsible Organization	0010,2299	autofill
Responsible Person	0010,2297	autofill
Results Comments	4008,4000	autofill
Results Distribution List Sequence	4008,0118	delete
Results ID Issuer	4008,0042	autofill
Reviewer Name	300E,0008	autofill
RT Plan Date	300A,0006	autofill
RT Plan Description	300A,0004	autofill
RT Plan Label	300A,0002	autofill
RT Plan Name	300A,0003	autofill
RT Plan Time	300A,0007	autofill
Scheduled Human Performers Sequence	0040,4034	delete
Scheduled Patient Institution	0038,001E	autofill
Residence		

Scheduled Performing Physician Identification Sequence	0040,000B	delete
Scheduled Performing Physician Name	0040,0006	autofill
Scheduled Procedure Step Description	0040,0007	autofill
Scheduled Procedure Step End Date	0040,0004	autofill
Scheduled Procedure Step End Time	0040,0005	autofill
Scheduled Procedure Step Expiration DateTime	0040,4008	autofill
Scheduled Procedure Step Location	0040,0011	autofill
Scheduled Procedure Step Modification DateTime	0040,4010	autofill
Scheduled Procedure Step Start Date	0040,0002	autofill
Scheduled Procedure Step Start DateTime	0040,4005	autofill
Scheduled Procedure Step Start Time	0040,0003	autofill
Scheduled Station AE Title	0040,0001	autofill
Scheduled Station Geographic Location Code Sequence	0040,4027	delete
Scheduled Station Name	0040,0010	autofill
Scheduled Station Name Code Sequence	0040,4025	delete
Scheduled Study Location	0032,1020	autofill
Scheduled Study Location AE Title	0032,1021	autofill
Series Date	0008,0021	autofill
Series Instance UID	0020,000E	TransformUID
Series Time	0008,0031	autofill
Service Episode Description	0038,0062	autofill
Service Episode ID	0038,0060	hash
Setup- Technique Description	300A,01B2	autofill
Shielding Device Description	300A,01A6	autofill
Slide Identifier	0040,06FA	autofill
Smoking Status	0010,21A0	autofill
SOP Instance UID	0008,0018	GenerateUID
Source Image Sequence	0008,2112	delete
Source Manufacturer	300A,0216	autofill
Source Serial Number	3008,0105	autofill
Special Needs	0038,0050	autofill
Specimen Accession Number	0040,050A	autofill
Specimen Detailed Description	0040,0602	autofill
Specimen Identifier	0040,0551	autofill
Specimen Preparation Sequence	0040,0610	delete
Specimen Short Description	0040,0600	autofill
Specimen UID	0040,0554	TransformUID
Start Acquisition DateTime	0018,9516	autofill
Station Name	0008,1010	autofill
Storage Media File-set UID	0088,0140	TransformUID
Study Comments	0032,4000	autofill
Study Date	0008,0020	autofill



Study ID	0020,0010	hash
Study ID Issuer	0032,0012	autofill
Study Instance UID	0020,000D	TransformUID
Study Time	0008,0030	autofill
Synchronization Frame of Reference UID	0020,0200	TransformUID
Target UID	0018,2042	TransformUID
Telephone Number (Trial)	0040,A354	autofill
Template Extension Creator UID	0040,DB0D	TransformUID
Template Extension Organization UID	0040,DB0C	TransformUID
Text Comments	4000,4000	autofill
Text String	2030,0020	autofill
Timezone Offset From UTC	0008,0201	autofill
Topic Author	0088,0910	autofill
Topic Keywords	0088,0912	autofill
Topic Subject	0088,0906	autofill
Topic Title	0088,0904	autofill
Tracking UID	0062,0021	TransformUID
Transaction UID	0008,1195	TransformUID
Treatment Date	3008,0250	autofill
Treatment Machine Name	300A,00B2	autofill
Treatment Time UID	3008,0251	autofill
Verbal Source (Trial)	0040,A124	TransformUID
Verbal Source Identifier Code Sequence (Trial)	0040,A352	autofill
Verifying Observer Identification Code Sequence	0040,A358	autofill
Verifying Observer Name	0040,A088	delete
Verifying Observer Sequence	0040,A075	autofill
Verifying Organization	0040,A073	delete
Visit Comments	0040,A027	autofill
	0038,4000	autofill