

Injury Classification public use dataset summary

Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
1	SITE	Numeric	8	Masked Site identifier
2	CaseID	Character	7	Masked Case Identifier
3	ControlType	Character	4	case/control type
4	StudySubjectID	Character	7	StudySubjectID
5	CSFractures	Character	100	Were there fractures of the cervical spine?
6	CFracturesOC	Numeric	8	Occipital condyle fracture
7	CFracturesC1	Numeric	8	C1 Fracture
8	C1SbFractureAR	Numeric	8	C1 Fracture Arches
9	C1SbFractureType	Character	100	C1 Fracture ArchesType
10	C1SbFractureTP	Numeric	8	C1 Fracture Transverse Process
11	C1SbFractureLM	Numeric	8	C1 Fracture Lateral Mass
12	C1SbFractureOI	Numeric	8	C1 Fracture Other injury fracture
13	C1SbFractureOItxt	Character	100	C1 Fracture Othe injury fracture description
14	CFracturesC2	Numeric	8	C2 Fracture
15	C2SbFractureOdontoid	Numeric	8	C2 Fracture Odontoid
16	C2SbFractureOdType	Character	100	C2 Fracture Odontoid Type
17	C2SbFracturePars	Numeric	8	C2 Fracture Pars inerarticularis
18	C2SbFractureTypePARS	Character	100	C2 Fracture Pars inerarticularis type
19	C2SbFractureBOOT	Numeric	8	C2 fracture, body other than odonotoid
20	C2SbFractureBOOTTypeWC	Numeric	8	C2 fracture, body other than odonotoid--Wedge/compression
21	C2SbFractureBOOTTypeBT	Numeric	8	C2 fracture, body other than odonotoid--Burst
22	C2SbFractureBOOTTypeTD	Numeric	8	C2 fracture, body other than odonotoid--Teardrop
23	C2SbFractureBOOTTypeLH	Numeric	8	C2 fracture, body other than odonotoid--Loss of height
24	C2SbFractureBOOTTypeOR	Numeric	8	C2 fracture, body other than odonotoid--Other
25	C2SbFractureBOOTTypeORTxt	Character	100	C2 fracture, body other than odonotoid--Other description
26	C2SbFractureLA	Numeric	8	C2 lamina fracture
27	C2SbFractureLM	Numeric	8	C2 lateral mass fracture
28	C2SbFractureSP	Numeric	8	C2 spinous process fracture
29	C2SbFractureOR	Numeric	8	C2 other injury fracture
30	C2SbFractureORTxt	Character	100	C2 other injury fracture description
31	CFracturesC3	Numeric	8	C3 fracture
32	C3SbFractureBY	Numeric	8	C3 body fracture
33	C3SbFractureBYWC	Numeric	8	C3 body fracture--wedge/compression
34	C3SbFractureBYB	Numeric	8	C3 body fracture--Burst
35	C3SbFractureBYTD	Numeric	8	C3 body fracture--Teardrop
36	C3SbFractureBYLH	Numeric	8	C3 body fracture--Loss of height

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Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
37	C3SbFractureBYOR	Numeric	8	C3 body fracture--Other
38	C3SbFractureBYORtxt	Character	100	C3 body fracture--Other description
39	C3SbFracturePE	Numeric	8	C3 pedicle fracture
40	C3SbFracturePEType	Character	100	C3 pedicle fracture type
41	C3SbFractureTP	Numeric	8	C3 transverse process fracture
42	C3SbFractureLM	Numeric	8	C3 lateral mass fracture
43	C3SbFractureFT	Numeric	8	C3 facet fracture
44	C3SbFractureFTType	Character	100	C3 facet fracture type
45	C3SbFractureLA	Numeric	8	C3 lamina fracture
46	C3SbFractureSP	Numeric	8	C3 spinous process fracture
47	C3SbFractureCC	Numeric	8	C3 canal compromise fracture
48	C3SbFractureOR	Numeric	8	C3 other injury fracture
49	C3SbFractureORtxt	Character	100	C3 other injury fracture description
50	CFracturesC4	Numeric	8	C4 fracture
51	C4SbFractureBY	Numeric	8	C4 body fracture
52	C4SbFractureBYWC	Numeric	8	C4 body fracture--wedge/compression
53	C4SbFractureBYB	Numeric	8	C4 body fracture--Burst
54	C4SbFractureBYTD	Numeric	8	C4 body fracture--Teardrop
55	C4SbFractureBYLH	Numeric	8	C4 body fracture--Loss of height
56	C4SbFractureBYOR	Numeric	8	C4 body fracture--Other
57	C4SbFractureBYORtxt	Character	100	C4 body fracture--Other description
58	C4SbFracturePE	Numeric	8	C4 pedicle fracture
59	C4SbFracturePEType	Character	100	C4 pedicle fracture type
60	C4SbFractureTP	Numeric	8	C4 transverse process fracture
61	C4SbFractureLM	Numeric	8	C4 lateral mass fracture
62	C4SbFractureFT	Numeric	8	C4 facet fracture
63	C4SbFractureFTType	Character	100	C4 facet fracture type
64	C4SbFractureLA	Numeric	8	C4 lamina fracture
65	C4SbFractureSP	Numeric	8	C4 spinous process fracture
66	C4SbFractureCC	Numeric	8	C4 canal compromise fracture
67	C4SbFractureOR	Numeric	8	C4 other injury fracture
68	C4SbFractureORtxt	Character	100	C4 other injury fracture description
69	CFracturesC5	Numeric	8	C5 fracture
70	C5SbFractureBY	Numeric	8	C5 body fracture
71	C5SbFractureBYWC	Numeric	8	C5 body fracture--wedge/compression
72	C5SbFractureBYB	Numeric	8	C5 body fracture--Burst

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Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
73	C5SbFractureBYTD	Numeric	8	C5 body fracture--Teardrop
74	C5SbFractureBYLH	Numeric	8	C5 body fracture--Loss of height
75	C5SbFractureBYOR	Numeric	8	C5 body fracture--Other
76	C5SbFractureBYORtxt	Character	100	C5 body fracture--Other description
77	C5SbFracturePE	Numeric	8	C5 pedicle fracture
78	C5SbFracturePEType	Character	100	C5 pedicle fracture type
79	C5SbFractureTP	Numeric	8	C5 transverse process fracture
80	C5SbFractureLM	Numeric	8	C5 lateral mass fracture
81	C5SbFractureFT	Numeric	8	C5 facet fracture
82	C5SbFractureFTType	Character	100	C5 facet fracture type
83	C5SbFractureLA	Numeric	8	C5 lamina fracture
84	C5SbFractureSP	Numeric	8	C5 spinous process fracture
85	C5SbFractureCC	Numeric	8	C5 canal compromise fracture
86	C5SbFractureOR	Numeric	8	C5 other injury fracture
87	C5SbFractureORtxt	Character	100	C5 other injury fracture description
88	CFracturesC6	Numeric	8	C6 fracture
89	C6SbFractureBY	Numeric	8	C6 body fracture
90	C6SbFractureBYWC	Numeric	8	C6 body fracture--wedge/compression
91	C6SbFractureBYB	Numeric	8	C6 body fracture--Burst
92	C6SbFractureBYTD	Numeric	8	C6 body fracture--Teardrop
93	C6SbFractureBYLH	Numeric	8	C6 body fracture--Loss of height
94	C6SbFractureBYOR	Numeric	8	C6 body fracture--Other
95	C6SbFractureBYORtxt	Character	100	C6 body fracture--Other description
96	C6SbFracturePE	Numeric	8	C6 pedicle fracture
97	C6SbFracturePEType	Character	100	C6 pedicle fracture type
98	C6SbFractureTP	Numeric	8	C6 transverse process fracture
99	C6SbFractureLM	Numeric	8	C6 lateral mass fracture
100	C6SbFractureFT	Numeric	8	C6 facet fracture
101	C6SbFractureFTType	Character	100	C6 facet fracture type
102	C6SbFractureLA	Numeric	8	C6 lamina fracture
103	C6SbFractureSP	Numeric	8	C6 spinous process fracture
104	C6SbFractureCC	Numeric	8	C6 canal compromise fracture
105	C6SbFractureOR	Numeric	8	C6 other injury fracture
106	C6SbFractureORtxt	Character	100	C6 other injury fracture description
107	CFracturesC7	Numeric	8	C7 fracture
108	C7SbFractureBY	Numeric	8	C7 body fracture

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Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
109	C7SbFractureBYWC	Numeric	8	C7 body fracture--wedge/compression
110	C7SbFractureBYB	Numeric	8	C7 body fracture--Burst
111	C7SbFractureBYTD	Numeric	8	C7 body fracture--Teardrop
112	C7SbFractureBYLH	Numeric	8	C7 body fracture--Loss of height
113	C7SbFractureBYOR	Numeric	8	C7 body fracture--Other
114	C7SbFractureBYORtxt	Character	100	C7 body fracture--Other description
115	C7SbFracturePE	Numeric	8	C7 pedicle fracture
116	C7SbFracturePEType	Character	100	C7 pedicle fracture type
117	C7SbFractureTP	Numeric	8	C7 transverse process fracture
118	C7SbFractureLM	Numeric	8	C7 lateral mass fracture
119	C7SbFractureFT	Numeric	8	C7 facet fracture
120	C7SbFractureFTType	Character	100	C7 facet fracture type
121	C7SbFractureLA	Numeric	8	C7 lamina fracture
122	C7SbFractureSP	Numeric	8	C7 spinous process fracture
123	C7SbFractureCC	Numeric	8	C7 canal compromise fracture
124	C7SbFractureOR	Numeric	8	C7 other injury fracture
125	C7SbFractureORtxt	Character	100	C7 other injury fracture description
126	Ligamentoptions	Character	100	Were there ligamentous injuries to the cervical spinal column?
127	LigamentousInjuryOAD	Numeric	8	If yes, occipital-atlantal dislocation
128	LigamentousInjuryC12	Numeric	8	If yes, C1-2 ligamentous injury
129	C1_2SbLigFD	Numeric	8	C1-2 facet dislocations (jumped)/perched facets
130	C1_2SbLigFDUB	Character	100	C1-2 facet dislocations (jumped)/perched facets type
131	C1_2SbLigSL	Numeric	8	C1-2 subluxation of one vertebral body on another
132	C1_2SbLigSLARS	Numeric	8	C1-2 atlantoaxial rotary subluxation
133	C1_2SbLigSLADI	Numeric	8	C1-2 ADI interval > 5mm
134	C1_2SbLigAL	Numeric	8	C1-2 angulation
135	C1_2SbLigSC	Numeric	8	C1-2 signal change on MRI
136	C1_2SbLigSCAL	Numeric	8	C1-2 signal change on MRI--anterior ligaments/elements
137	C1_2SbLigSCDC	Numeric	8	C1-2 signal change on MRI--disc
138	C1_2SbLigSCWSC	Numeric	8	C1-2 signal change on MRI--within spinal canal, including hematoma
139	C1_2SbLigSCPL	Numeric	8	C1-2 signal change on MRI--posterior ligaments/elements
140	LigamentousInjuryC23	Numeric	8	If yes, C2-3 ligamentous injury
141	C2_3SbLigFD	Numeric	8	C2-3 facet dislocations (jumped)/perched facets
142	C2_3SbLigFDUB	Character	100	C2-3 facet dislocations (jumped)/perched facets type
143	C2_3SbLigSL	Numeric	8	C2-3 subluxation of one vertebral body on another
144	C2_3SbLigAL	Numeric	8	C2-3 angulation

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Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
145	C2_3SbLigSC	Numeric	8	C2-3 signal change on MRI
146	C2_3SbLigSCAL	Numeric	8	C2-3 signal change on MRI--anterior ligaments/elements
147	C2_3SbLigSCDC	Numeric	8	C2-3 signal change on MRI--disc
148	C2_3SbLigSCWSC	Numeric	8	C2-3 signal change on MRI--within spinal canal, including hematoma
149	C2_3SbLigSCPL	Numeric	8	C2-3 signal change on MRI--posterior ligaments/elements
150	LigamentousInjuryC34	Numeric	8	If yes, C3-4 ligamentous injury
151	C3_4SbLigFD	Numeric	8	C3-4 facet dislocations (jumped)/perched facets
152	C3_4SbLigFDUB	Character	100	C3-4 facet dislocations (jumped)/perched facets type
153	C3_4SbLigSL	Numeric	8	C3-4 sbluxation of one vertebral body on another
154	C3_4SbLigAL	Numeric	8	C3-4 angulation
155	C3_4SbLigSC	Numeric	8	C3-4 signal change on MRI
156	C3_4SbLigSCAL	Numeric	8	C3-4 signal change on MRI--anterior ligaments/elements
157	C3_4SbLigSCDC	Numeric	8	C3-4 signal change on MRI--disc
158	C3_4SbLigSCWSC	Numeric	8	C3-4 signal change on MRI--within spinal canal, including hematoma
159	C3_4SbLigSCPL	Numeric	8	C3-4 signal change on MRI--posterior ligaments/elements
160	LigamentousInjuryC45	Numeric	8	If yes, C4-5 ligamentous injury
161	C4_5SbLigFD	Numeric	8	C4-5 facet dislocations (jumped)/perched facets
162	C4_5SbLigFDUB	Character	100	C4-5 facet dislocations (jumped)/perched facets type
163	C4_5SbLigSL	Numeric	8	C4-5 sbluxation of one vertebral body on another
164	C4_5SbLigAL	Numeric	8	C4-5 angulation
165	C4_5SbLigSC	Numeric	8	C4-5 signal change on MRI
166	C4_5SbLigSCAL	Numeric	8	C4-5 signal change on MRI--anterior ligaments/elements
167	C4_5SbLigSCDC	Numeric	8	C4-5 signal change on MRI--disc
168	C4_5SbLigSCWSC	Numeric	8	C4-5 signal change on MRI--within spinal canal, including hematoma
169	C4_5SbLigSCPL	Numeric	8	C4-5 signal change on MRI--posterior ligaments/elements
170	LigamentousInjuryC56	Numeric	8	If yes, C5-6 ligamentous injury
171	C5_6SbLigFD	Numeric	8	C5-6 facet dislocations (jumped)/perched facets
172	C5_6SbLigFDUB	Character	100	C5-6 facet dislocations (jumped)/perched facets type
173	C5_6SbLigSL	Numeric	8	C5-6 sbluxation of one vertebral body on another
174	C5_6SbLigAL	Numeric	8	C5-6 angulation
175	C5_6SbLigSC	Numeric	8	C5-6 signal change on MRI
176	C5_6SbLigSCAL	Numeric	8	C5-6 signal change on MRI--anterior ligaments/elements
177	C5_6SbLigSCDC	Numeric	8	C5-6 signal change on MRI--disc
178	C5_6SbLigSCWSC	Numeric	8	C5-6 signal change on MRI--within spinal canal, including hematoma
179	C5_6SbLigSCPL	Numeric	8	C5-6 signal change on MRI--posterior ligaments/elements
180	LigamentousInjuryC67	Numeric	8	If yes, C6-7 ligamentous injury

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Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
181	C6_7SbLigFD	Numeric	8	C6-7 facet dislocations (jumped)/perched facets
182	C6_7SbLigFDUB	Character	100	C6-7 facet dislocations (jumped)/perched facets type
183	C6_7SbLigSL	Numeric	8	C6-7 subluxation of one vertebral body on another
184	C6_7SbLigAL	Numeric	8	C6-7 angulation
185	C6_7SbLigSC	Numeric	8	C6-7 signal change on MRI
186	C6_7SbLigSCAL	Numeric	8	C6-7 signal change on MRI--anterior ligaments/elements
187	C6_7SbLigSCDC	Numeric	8	C6-7 signal change on MRI--disc
188	C6_7SbLigSCWSC	Numeric	8	C6-7 signal change on MRI--within spinal canal, including hematoma
189	C6_7SbLigSCPL	Numeric	8	C6-7 signal change on MRI--posterior ligaments/elements
190	LigamentousInjuryC7T1	Numeric	8	If yes, C7-T1 ligamentous injury
191	C7_T1SbLigFD	Numeric	8	C7-T1 facet dislocations (jumped)/perched facets
192	C7_T1SbLigFDUB	Character	100	C7-T1 facet dislocations (jumped)/perched facets type
193	C7_T1SbLigSL	Numeric	8	C7-T1 subluxation of one vertebral body on another
194	C7_T1SbLigAL	Numeric	8	C7-T1 angulation
195	C7_T1SbLigSC	Numeric	8	C7-T1 signal change on MRI
196	C7_T1SbLigSCAL	Numeric	8	C7-T1 signal change on MRI--anterior ligaments/elements
197	C7_T1SbLigSCDC	Numeric	8	C7-T1 signal change on MRI--disc
198	C7_T1SbLigSCWSC	Numeric	8	C7-T1 signal change on MRI--within spinal canal, including hematoma
199	C7_T1SbLigSCPL	Numeric	8	C7-T1 signal change on MRI--posterior ligaments/elements
200	CSpineSignalChange	Character	100	Was there signal changes in the cervical spinal cord on MRI?
201	SignalChangeLevelC1	Numeric	8	Signal changes in cervical spinal cord on MRI--C1
202	SignalChangeLevelC2	Numeric	8	Signal changes in cervical spinal cord on MRI--C2
203	SignalChangeLevelC3	Numeric	8	Signal changes in cervical spinal cord on MRI--C3
204	SignalChangeLevelC4	Numeric	8	Signal changes in cervical spinal cord on MRI--C4
205	SignalChangeLevelC5	Numeric	8	Signal changes in cervical spinal cord on MRI--C5
206	SignalChangeLevelC6	Numeric	8	Signal changes in cervical spinal cord on MRI--C6
207	SignalChangeLevelC7	Numeric	8	Signal changes in cervical spinal cord on MRI--C7
208	CordInjuryNoRadiographic	Character	50	Does the patient have a spinal cord injury without radiographic association (SCIWORA)?

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The FREQ Procedure

Were there fractures of the cervical spine?		
CSFractures	Frequency	Percent
N	218	40.37
Y	322	59.63

Occipital condyle fracture		
CFracturesOC	Frequency	Percent
0	531	98.33
1	9	1.67

C1 Fracture		
CFracturesC1	Frequency	Percent
0	505	93.52
1	35	6.48

C1 Fracture Arches		
C1SbFractureAR	Frequency	Percent
0	520	96.30
1	20	3.70

C1 Fracture ArchesType		
C1SbFractureType	Frequency	Percent
	520	96.30
A	8	1.48
J	4	0.74
P	8	1.48

C1 Fracture Transverse Process		
C1SbFractureTP	Frequency	Percent
0	540	100.00

Injury Classification public use dataset summary

The FREQ Procedure

C1 Fracture Lateral Mass		
C1SbFractureLM	Frequency	Percent
0	528	97.78
1	12	2.22

C1 Fracture Other injury fracture		
C1SbFractureOI	Frequency	Percent
0	535	99.07
1	5	0.93

C2 Fracture		
CFracturesC2	Frequency	Percent
0	426	78.89
1	114	21.11

C2 Fracture Odontoid		
C2SbFractureOdontoid	Frequency	Percent
0	501	92.78
1	39	7.22

C2 Fracture Odontoid Type		
C2SbFractureOdType	Frequency	Percent
	501	92.78
1	2	0.37
2	23	4.26
3	14	2.59

C2 Fracture Pars inerarticularis		
C2SbFracturePars	Frequency	Percent
0	524	97.04
1	16	2.96

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The FREQ Procedure

C2 Fracture Pars interarticularis type		
C2SbFractureTypePARS	Frequency	Percent
	524	97.04
BI	15	2.78
UN	1	0.19

C2 fracture, body other than odontoid		
C2SbFractureBOOT	Frequency	Percent
0	509	94.26
1	31	5.74

C2 fracture, body other than odontoid--Wedge/compression		
C2SbFractureBOOTTypeWC	Frequency	Percent
0	540	100.00

C2 fracture, body other than odontoid--Burst		
C2SbFractureBOOTTypeBT	Frequency	Percent
0	540	100.00

C2 fracture, body other than odontoid--Teardrop		
C2SbFractureBOOTTypeTD	Frequency	Percent
0	539	99.81
1	1	0.19

C2 fracture, body other than odontoid--Loss of height		
C2SbFractureBOOTTypeLH	Frequency	Percent
0	540	100.00

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The FREQ Procedure

C2 fracture, body other than odontoid--Other		
C2SbFractureBOOTypeOR	Frequency	Percent
0	511	94.63
1	29	5.37

C2 lamina fracture		
C2SbFractureLA	Frequency	Percent
0	528	97.78
1	12	2.22

C2 lateral mass fracture		
C2SbFractureLM	Frequency	Percent
0	531	98.33
1	9	1.67

C2 spinous process fracture		
C2SbFractureSP	Frequency	Percent
0	535	99.07
1	5	0.93

C2 other injury fracture		
C2SbFractureOR	Frequency	Percent
0	527	97.59
1	13	2.41

C3 fracture		
CFracturesC3	Frequency	Percent
0	513	95.00
1	27	5.00

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The FREQ Procedure

C3 body fracture		
C3SbFractureBY	Frequency	Percent
0	525	97.22
1	15	2.78

C3 body fracture--wedge/compression		
C3SbFractureBYWC	Frequency	Percent
0	534	98.89
1	6	1.11

C3 body fracture--Burst		
C3SbFractureBYB	Frequency	Percent
0	538	99.63
1	2	0.37

C3 body fracture--Teardrop		
C3SbFractureBYTD	Frequency	Percent
0	540	100.00

C3 body fracture--Loss of height		
C3SbFractureBYLH	Frequency	Percent
0	540	100.00

C3 body fracture--Other		
C3SbFractureBYOR	Frequency	Percent
0	532	98.52
1	8	1.48

C3 pedicle fracture		
C3SbFracturePE	Frequency	Percent
0	539	99.81
1	1	0.19

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The FREQ Procedure

C3 pedicle fracture type		
C3SbFracturePEType	Frequency	Percent
	539	99.81
U	1	0.19

C3 transverse process fracture		
C3SbFractureTP	Frequency	Percent
0	539	99.81
1	1	0.19

C3 lateral mass fracture		
C3SbFractureLM	Frequency	Percent
0	537	99.44
1	3	0.56

C3 facet fracture		
C3SbFractureFT	Frequency	Percent
0	535	99.07
1	5	0.93

C3 facet fracture type		
C3SbFractureFTType	Frequency	Percent
	535	99.07
B	1	0.19
U	4	0.74

C3 lamina fracture		
C3SbFractureLA	Frequency	Percent
0	536	99.26
1	4	0.74

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The FREQ Procedure

C3 spinous process fracture		
C3SbFractureSP	Frequency	Percent
0	537	99.44
1	3	0.56

C3 canal compromise fracture		
C3SbFractureCC	Frequency	Percent
0	538	99.63
1	2	0.37

C3 other injury fracture		
C3SbFractureOR	Frequency	Percent
0	537	99.44
1	3	0.56

C4 fracture		
CFracturesC4	Frequency	Percent
0	498	92.22
1	42	7.78

C4 body fracture		
C4SbFractureBY	Frequency	Percent
0	510	94.44
1	30	5.56

C4 body fracture--wedge/compression		
C4SbFractureBYWC	Frequency	Percent
0	525	97.22
1	15	2.78

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C4 body fracture--Burst		
C4SbFractureBYB	Frequency	Percent
0	534	98.89
1	6	1.11

C4 body fracture--Teardrop		
C4SbFractureBYTD	Frequency	Percent
0	537	99.44
1	3	0.56

C4 body fracture--Loss of height		
C4SbFractureBYLH	Frequency	Percent
0	535	99.07
1	5	0.93

C4 body fracture--Other		
C4SbFractureBYOR	Frequency	Percent
0	534	98.89
1	6	1.11

C4 pedicle fracture		
C4SbFracturePE	Frequency	Percent
0	534	98.89
1	6	1.11

C4 pedicle fracture type		
C4SbFracturePEType	Frequency	Percent
	534	98.89
U	6	1.11

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C4 transverse process fracture		
C4SbFractureTP	Frequency	Percent
0	536	99.26
1	4	0.74

C4 lateral mass fracture		
C4SbFractureLM	Frequency	Percent
0	533	98.70
1	7	1.30

C4 facet fracture		
C4SbFractureFT	Frequency	Percent
0	535	99.07
1	5	0.93

C4 facet fracture type		
C4SbFractureFTType	Frequency	Percent
	535	99.07
U	5	0.93

C4 lamina fracture		
C4SbFractureLA	Frequency	Percent
0	531	98.33
1	9	1.67

C4 spinous process fracture		
C4SbFractureSP	Frequency	Percent
0	536	99.26
1	4	0.74

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The FREQ Procedure

C4 canal compromise fracture		
C4SbFractureCC	Frequency	Percent
0	533	98.70
1	7	1.30

C4 other injury fracture		
C4SbFractureOR	Frequency	Percent
0	536	99.26
1	4	0.74

C5 fracture		
CFracturesC5	Frequency	Percent
0	473	87.59
1	67	12.41

C5 body fracture		
C5SbFractureBY	Frequency	Percent
0	492	91.11
1	48	8.89

C5 body fracture--wedge/compression		
C5SbFractureBYWC	Frequency	Percent
0	514	95.19
1	26	4.81

C5 body fracture--Burst		
C5SbFractureBYB	Frequency	Percent
0	530	98.15
1	10	1.85

Injury Classification public use dataset summary

The FREQ Procedure

C5 body fracture--Teardrop		
C5SbFractureBYTD	Frequency	Percent
0	535	99.07
1	5	0.93

C5 body fracture--Loss of height		
C5SbFractureBYLH	Frequency	Percent
0	530	98.15
1	10	1.85

C5 body fracture--Other		
C5SbFractureBYOR	Frequency	Percent
0	530	98.15
1	10	1.85

C5 pedicle fracture		
C5SbFracturePE	Frequency	Percent
0	530	98.15
1	10	1.85

C5 pedicle fracture type		
C5SbFracturePEType	Frequency	Percent
	530	98.15
U	10	1.85

C5 transverse process fracture		
C5SbFractureTP	Frequency	Percent
0	537	99.44
1	3	0.56

Injury Classification public use dataset summary

The FREQ Procedure

C5 lateral mass fracture		
C5SbFractureLM	Frequency	Percent
0	534	98.89
1	6	1.11

C5 facet fracture		
C5SbFractureFT	Frequency	Percent
0	532	98.52
1	8	1.48

C5 facet fracture type		
C5SbFractureFTType	Frequency	Percent
	532	98.52
B	2	0.37
U	6	1.11

C5 lamina fracture		
C5SbFractureLA	Frequency	Percent
0	531	98.33
1	9	1.67

C5 spinous process fracture		
C5SbFractureSP	Frequency	Percent
0	535	99.07
1	5	0.93

C5 canal compromise fracture		
C5SbFractureCC	Frequency	Percent
0	531	98.33
1	9	1.67

Injury Classification public use dataset summary

The FREQ Procedure

C5 other injury fracture		
C5SbFractureOR	Frequency	Percent
0	540	100.00

C6 fracture		
CFracturesC6	Frequency	Percent
0	478	88.52
1	62	11.48

C6 body fracture		
C6SbFractureBY	Frequency	Percent
0	499	92.41
1	41	7.59

C6 body fracture--wedge/compression		
C6SbFractureBYWC	Frequency	Percent
0	516	95.56
1	24	4.44

C6 body fracture--Burst		
C6SbFractureBYB	Frequency	Percent
0	535	99.07
1	5	0.93

C6 body fracture--Teardrop		
C6SbFractureBYTD	Frequency	Percent
0	539	99.81
1	1	0.19

C6 body fracture--Loss of height		
C6SbFractureBYLH	Frequency	Percent
0	536	99.26
1	4	0.74

Injury Classification public use dataset summary

The FREQ Procedure

C6 body fracture--Other		
C6SbFractureBYOR	Frequency	Percent
0	527	97.59
1	13	2.41

C6 pedicle fracture		
C6SbFracturePE	Frequency	Percent
0	529	97.96
1	11	2.04

C6 pedicle fracture type		
C6SbFracturePEType	Frequency	Percent
	529	97.96
U	11	2.04

C6 transverse process fracture		
C6SbFractureTP	Frequency	Percent
0	539	99.81
1	1	0.19

C6 lateral mass fracture		
C6SbFractureLM	Frequency	Percent
0	535	99.07
1	5	0.93

C6 facet fracture		
C6SbFractureFT	Frequency	Percent
0	535	99.07
1	5	0.93

Injury Classification public use dataset summary

The FREQ Procedure

C6 facet fracture type		
C6SbFractureFTType	Frequency	Percent
	535	99.07
B	1	0.19
U	4	0.74

C6 lamina fracture		
C6SbFractureLA	Frequency	Percent
0	531	98.33
1	9	1.67

C6 spinous process fracture		
C6SbFractureSP	Frequency	Percent
0	531	98.33
1	9	1.67

C6 canal compromise fracture		
C6SbFractureCC	Frequency	Percent
0	535	99.07
1	5	0.93

C6 other injury fracture		
C6SbFractureOR	Frequency	Percent
0	539	99.81
1	1	0.19

C7 fracture		
CFracturesC7	Frequency	Percent
0	463	85.74
1	77	14.26

Injury Classification public use dataset summary

The FREQ Procedure

C7 body fracture		
C7SbFractureBY	Frequency	Percent
0	512	94.81
1	28	5.19

C7 body fracture--wedge/compression		
C7SbFractureBYWC	Frequency	Percent
0	525	97.22
1	15	2.78

C7 body fracture--Burst		
C7SbFractureBYB	Frequency	Percent
0	535	99.07
1	5	0.93

C7 body fracture--Teardrop		
C7SbFractureBYTD	Frequency	Percent
0	540	100.00

C7 body fracture--Loss of height		
C7SbFractureBYLH	Frequency	Percent
0	534	98.89
1	6	1.11

C7 body fracture--Other		
C7SbFractureBYOR	Frequency	Percent
0	537	99.44
1	3	0.56

C7 pedicle fracture		
C7SbFracturePE	Frequency	Percent
0	534	98.89
1	6	1.11

Injury Classification public use dataset summary

The FREQ Procedure

C7 pedicle fracture type		
C7SbFracturePEType	Frequency	Percent
	534	98.89
U	6	1.11

C7 transverse process fracture		
C7SbFractureTP	Frequency	Percent
0	527	97.59
1	13	2.41

C7 lateral mass fracture		
C7SbFractureLM	Frequency	Percent
0	539	99.81
1	1	0.19

C7 facet fracture		
C7SbFractureFT	Frequency	Percent
0	538	99.63
1	2	0.37

C7 facet fracture type		
C7SbFractureFTType	Frequency	Percent
	538	99.63
U	2	0.37

C7 lamina fracture		
C7SbFractureLA	Frequency	Percent
0	538	99.63
1	2	0.37

Injury Classification public use dataset summary

The FREQ Procedure

C7 spinous process fracture		
C7SbFractureSP	Frequency	Percent
0	505	93.52
1	35	6.48

C7 canal compromise fracture		
C7SbFractureCC	Frequency	Percent
0	537	99.44
1	3	0.56

C7 other injury fracture		
C7SbFractureOR	Frequency	Percent
0	540	100.00

Were there ligamentous injuries to the cervical spinal column?		
Ligamentoptions	Frequency	Percent
N	260	48.15
Y	280	51.85

If yes, occipital-atlantal dislocation		
LigamentousInjuryOAD	Frequency	Percent
0	510	94.44
1	30	5.56

If yes, C1-2 ligamentous injury		
LigamentousInjuryC12	Frequency	Percent
0	397	73.52
1	143	26.48

Injury Classification public use dataset summary

The FREQ Procedure

C1-2 facet dislocations (jumped)/perched facets		
C1_2SbLigFD	Frequency	Percent
0	537	99.44
1	3	0.56

C1-2 facet dislocations (jumped)/perched facets type		
C1_2SbLigFDUB	Frequency	Percent
	537	99.44
B	1	0.19
U	2	0.37

C1-2 subluxation of one vertebral body on another		
C1_2SbLigSL	Frequency	Percent
0	453	83.89
1	87	16.11

C1-2 atlantoaxial rotary subluxation		
C1_2SbLigSLARS	Frequency	Percent
0	481	89.07
1	59	10.93

C1-2 ADI interval > 5mm		
C1_2SbLigSLADI	Frequency	Percent
0	521	96.48
1	19	3.52

C1-2 angulation		
C1_2SbLigAL	Frequency	Percent
0	532	98.52
1	8	1.48

Injury Classification public use dataset summary

The FREQ Procedure

C1-2 signal change on MRI		
C1_2SbLigSC	Frequency	Percent
0	480	88.89
1	60	11.11

C1-2 signal change on MRI--anterior ligaments/elements		
C1_2SbLigSCAL	Frequency	Percent
0	524	97.04
1	16	2.96

C1-2 signal change on MRI--disc		
C1_2SbLigSCDC	Frequency	Percent
0	539	99.81
1	1	0.19

C1-2 signal change on MRI--within spinal canal, including hematoma		
C1_2SbLigSCWSC	Frequency	Percent
0	519	96.11
1	21	3.89

C1-2 signal change on MRI--posterior ligaments/elements		
C1_2SbLigSCPL	Frequency	Percent
0	499	92.41
1	41	7.59

If yes, C2-3 ligamentous injury		
LigamentousInjuryC23	Frequency	Percent
0	490	90.74
1	50	9.26

Injury Classification public use dataset summary

The FREQ Procedure

C2-3 facet dislocations (jumped)/perched facets		
C2_3SbLigFD	Frequency	Percent
0	536	99.26
1	4	0.74

C2-3 facet dislocations (jumped)/perched facets type		
C2_3SbLigFDUB	Frequency	Percent
	536	99.26
B	3	0.56
U	1	0.19

C2-3 subluxation of one vertebral body on another		
C2_3SbLigSL	Frequency	Percent
0	517	95.74
1	23	4.26

C2-3 angulation		
C2_3SbLigAL	Frequency	Percent
0	525	97.22
1	15	2.78

C2-3 signal change on MRI		
C2_3SbLigSC	Frequency	Percent
0	506	93.70
1	34	6.30

C2-3 signal change on MRI--anterior ligaments/elements		
C2_3SbLigSCAL	Frequency	Percent
0	536	99.26
1	4	0.74

Injury Classification public use dataset summary

The FREQ Procedure

C2-3 signal change on MRI--disc		
C2_3SbLigSCDC	Frequency	Percent
0	531	98.33
1	9	1.67

C2-3 signal change on MRI--within spinal canal, including hematoma		
C2_3SbLigSCWSC	Frequency	Percent
0	524	97.04
1	16	2.96

C2-3 signal change on MRI--posterior ligaments/elements		
C2_3SbLigSCPL	Frequency	Percent
0	521	96.48
1	19	3.52

If yes, C3-4 ligamentous injury		
LigamentousInjuryC34	Frequency	Percent
0	498	92.22
1	42	7.78

C3-4 facet dislocations (jumped)/perched facets		
C3_4SbLigFD	Frequency	Percent
0	537	99.44
1	3	0.56

C3-4 facet dislocations (jumped)/perched facets type		
C3_4SbLigFDUB	Frequency	Percent
	537	99.44
B	1	0.19
U	2	0.37

Injury Classification public use dataset summary

The FREQ Procedure

C3-4 subluxation of one vertebral body on another		
C3_4SbLigSL	Frequency	Percent
0	529	97.96
1	11	2.04

C3-4 angulation		
C3_4SbLigAL	Frequency	Percent
0	534	98.89
1	6	1.11

C3-4 signal change on MRI		
C3_4SbLigSC	Frequency	Percent
0	506	93.70
1	34	6.30

C3-4 signal change on MRI--anterior ligaments/elements		
C3_4SbLigSCAL	Frequency	Percent
0	536	99.26
1	4	0.74

C3-4 signal change on MRI--disc		
C3_4SbLigSCDC	Frequency	Percent
0	537	99.44
1	3	0.56

C3-4 signal change on MRI--within spinal canal, including hematoma		
C3_4SbLigSCWSC	Frequency	Percent
0	525	97.22
1	15	2.78

Injury Classification public use dataset summary

The FREQ Procedure

C3-4 signal change on MRI--posterior ligaments/elements		
C3_4SbLigSCPL	Frequency	Percent
0	524	97.04
1	16	2.96

If yes, C4-5 ligamentous injury		
LigamentousInjuryC45	Frequency	Percent
0	489	90.56
1	51	9.44

C4-5 facet dislocations (jumped)/perched facets		
C4_5SbLigFD	Frequency	Percent
0	536	99.26
1	4	0.74

C4-5 facet dislocations (jumped)/perched facets type		
C4_5SbLigFDUB	Frequency	Percent
	536	99.26
B	4	0.74

C4-5 subluxation of one vertebral body on another		
C4_5SbLigSL	Frequency	Percent
0	526	97.41
1	14	2.59

C4-5 angulation		
C4_5SbLigAL	Frequency	Percent
0	533	98.70
1	7	1.30

Injury Classification public use dataset summary

The FREQ Procedure

C4-5 signal change on MRI		
C4_5SbLigSC	Frequency	Percent
0	502	92.96
1	38	7.04

C4-5 signal change on MRI--anterior ligaments/elements		
C4_5SbLigSCAL	Frequency	Percent
0	537	99.44
1	3	0.56

C4-5 signal change on MRI--disc		
C4_5SbLigSCDC	Frequency	Percent
0	536	99.26
1	4	0.74

C4-5 signal change on MRI--within spinal canal, including hematoma		
C4_5SbLigSCWSC	Frequency	Percent
0	528	97.78
1	12	2.22

C4-5 signal change on MRI--posterior ligaments/elements		
C4_5SbLigSCPL	Frequency	Percent
0	513	95.00
1	27	5.00

If yes, C5-6 ligamentous injury		
LigamentousInjuryC56	Frequency	Percent
0	487	90.19
1	53	9.81

Injury Classification public use dataset summary

The FREQ Procedure

C5-6 facet dislocations (jumped)/perched facets		
C5_6SbLigFD	Frequency	Percent
0	533	98.70
1	7	1.30

C5-6 facet dislocations (jumped)/perched facets type		
C5_6SbLigFDUB	Frequency	Percent
	533	98.70
B	6	1.11
U	1	0.19

C5-6 subluxation of one vertebral body on another		
C5_6SbLigSL	Frequency	Percent
0	523	96.85
1	17	3.15

C5-6 angulation		
C5_6SbLigAL	Frequency	Percent
0	530	98.15
1	10	1.85

C5-6 signal change on MRI		
C5_6SbLigSC	Frequency	Percent
0	497	92.04
1	43	7.96

C5-6 signal change on MRI--anterior ligaments/elements		
C5_6SbLigSCAL	Frequency	Percent
0	538	99.63
1	2	0.37

Injury Classification public use dataset summary

The FREQ Procedure

C5-6 signal change on MRI--disc		
C5_6SbLigSCDC	Frequency	Percent
0	534	98.89
1	6	1.11

C5-6 signal change on MRI--within spinal canal, including hematoma		
C5_6SbLigSCWSC	Frequency	Percent
0	520	96.30
1	20	3.70

C5-6 signal change on MRI--posterior ligaments/elements		
C5_6SbLigSCPL	Frequency	Percent
0	518	95.93
1	22	4.07

If yes, C6-7 ligamentous injury		
LigamentousInjuryC67	Frequency	Percent
0	502	92.96
1	38	7.04

C6-7 facet dislocations (jumped)/perched facets		
C6_7SbLigFD	Frequency	Percent
0	532	98.52
1	8	1.48

C6-7 facet dislocations (jumped)/perched facets type		
C6_7SbLigFDUB	Frequency	Percent
	532	98.52
B	1	0.19
U	7	1.30

Injury Classification public use dataset summary

The FREQ Procedure

C6-7 subluxation of one vertebral body on another		
C6_7SbLigSL	Frequency	Percent
0	533	98.70
1	7	1.30

C6-7 angulation		
C6_7SbLigAL	Frequency	Percent
0	536	99.26
1	4	0.74

C6-7 signal change on MRI		
C6_7SbLigSC	Frequency	Percent
0	512	94.81
1	28	5.19

C6-7 signal change on MRI--anterior ligaments/elements		
C6_7SbLigSCAL	Frequency	Percent
0	537	99.44
1	3	0.56

C6-7 signal change on MRI--disc		
C6_7SbLigSCDC	Frequency	Percent
0	533	98.70
1	7	1.30

C6-7 signal change on MRI--within spinal canal, including hematoma		
C6_7SbLigSCWSC	Frequency	Percent
0	529	97.96
1	11	2.04

Injury Classification public use dataset summary

The FREQ Procedure

C6-7 signal change on MRI--posterior ligaments/elements		
C6_7SbLigSCPL	Frequency	Percent
0	524	97.04
1	16	2.96

If yes, C7-T1 ligamentous injury		
LigamentousInjuryC7T1	Frequency	Percent
0	526	97.41
1	14	2.59

C7-T1 facet dislocations (jumped)/perched facets		
C7_T1SbLigFD	Frequency	Percent
0	540	100.00

C7-T1 facet dislocations (jumped)/perched facets type		
C7_T1SbLigFDUB	Frequency	Percent
	540	100.00

C7-T1 subluxation of one vertebral body on another		
C7_T1SbLigSL	Frequency	Percent
0	540	100.00

C7-T1 angulation		
C7_T1SbLigAL	Frequency	Percent
0	540	100.00

C7-T1 signal change on MRI		
C7_T1SbLigSC	Frequency	Percent
0	526	97.41
1	14	2.59

Injury Classification public use dataset summary

The FREQ Procedure

C7-T1 signal change on MRI--anterior ligaments/elements		
C7_T1SbLigSCAL	Frequency	Percent
0	539	99.81
1	1	0.19

C7-T1 signal change on MRI--disc		
C7_T1SbLigSCDC	Frequency	Percent
0	540	100.00

C7-T1 signal change on MRI--within spinal canal, including hematoma		
C7_T1SbLigSCWSC	Frequency	Percent
0	534	98.89
1	6	1.11

C7-T1 signal change on MRI--posterior ligaments/elements		
C7_T1SbLigSCPL	Frequency	Percent
0	534	98.89
1	6	1.11

Was there signal changes in the cervical spinal cord on MRI?		
CSpineSignalChange	Frequency	Percent
N	215	39.81
NA	229	42.41
Y	96	17.78

Signal changes in cervical spinal cord on MRI--C1		
SignalChangeLevelC1	Frequency	Percent
0	511	94.63
1	29	5.37

Injury Classification public use dataset summary

The FREQ Procedure

Signal changes in cervical spinal cord on MRI--C2		
SignalChangeLevelC2	Frequency	Percent
0	485	89.81
1	55	10.19

Signal changes in cervical spinal cord on MRI--C3		
SignalChangeLevelC3	Frequency	Percent
0	498	92.22
1	42	7.78

Signal changes in cervical spinal cord on MRI--C4		
SignalChangeLevelC4	Frequency	Percent
0	500	92.59
1	40	7.41

Signal changes in cervical spinal cord on MRI--C5		
SignalChangeLevelC5	Frequency	Percent
0	494	91.48
1	46	8.52

Signal changes in cervical spinal cord on MRI--C6		
SignalChangeLevelC6	Frequency	Percent
0	503	93.15
1	37	6.85

Signal changes in cervical spinal cord on MRI--C7		
SignalChangeLevelC7	Frequency	Percent
0	522	96.67
1	18	3.33

Injury Classification public use dataset summary

The FREQ Procedure

Does the patient have a spinal cord injury without radiographic association (SCIWORA)?		
CordInjuryNoRadiographic	Frequency	Percent
N	472	87.41
Y	68	12.59