Kappa 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	PtAmbulatoryPriorArrival	Character	2	On arrival to the study site was the patient ambulatory?
6	HxLOCSite	Character	2	Was there history of loss of consciousness - LOC?
7	SectionGCSAvailable	Character	2	Section Glasgow Coma Scores available
8	TotalGCSAvailable	Character	2	Total GCS available
9	TotalGCSManual	Character	2	Total GCS if section scores not available
10	GCSEye	Character	1	Section GCS for eye
11	VerbalGCS	Character	1	Section GCS for verbal
12	MotorGCS	Character	1	Section GCS for motor
13	TotalGCS	Character	2	Calculated total GCS
14	AVPU	Character	1	Is there documentation of the patients mental status using a narrative description or an AVPU category?
15	AVPUDetails	Character	1	If there is documentation of the patients mental status, which AVPU category best describes patients mental status?
16	AVPUMental	Character	3	If documentation of patients mental status used a term that cannot be mapped to AVPU, which term best describes patients mental status?
17	AVPUMentaltxt	Character	78	If patients mental status is other, please describe
18	AVPUMentaltxtCat	Character	9	Other Term used that cannot be mapped to AVPU (Categorized)
19	PtCompPain	Character	3	Did the patient complain of pain?
20	PtCompPainHead	Numeric	8	Complaint of pain in the Head
21	PtCompPainFace	Numeric	8	Complaint of pain in the Face
22	PtCompPainNeck	Numeric	8	Complaint of pain in the Neck
23	PtCompPainNeckMove	Character	2	If neck pain was indicated, did the pain increase with neck movement?
24	PtCompPainChest	Numeric	8	Complaint of pain in the Chest
25	PtCompPainBack	Numeric	8	Complaint of pain in the Back
26	PtCompPainFlank	Numeric	8	Complaint of pain in the Flank
27	PtCompPainAbd	Numeric	8	Complaint of pain in the Abdomen
28	PtCompPainPelvis	Numeric	8	Complaint of pain in the Pelvis
29	PtCompPainExt	Numeric	8	Complaint of pain in the Extremities
30	PtTender	Character	2	Did the patient have tenderness on exam?
31	PtTenderHead	Numeric	8	Tenderness in the Head
32	PtTenderFace	Numeric	8	Tenderness in the Face
33	PtTenderNeck	Numeric	8	Tenderness in the Neck
34	PtTenderNeckLevel	Numeric	8	Tenderness in the Neck: Level

Kappa dataset summary

Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
35	PtTenderNeckLevelC1	Numeric	8	Tenderness in the neck: C1
36	PtTenderNeckLevelC2	Numeric	8	Tenderness in the neck: C2
37	PtTenderNeckLevelC3	Numeric	8	Tenderness in the neck: C3
38	PtTenderNeckLevelC4	Numeric	8	Tenderness in the neck: C4
39	PtTenderNeckLevelC5	Numeric	8	Tenderness in the neck: C5
40	PtTenderNeckLevelC6	Numeric	8	Tenderness in the neck: C6
41	PtTenderNeckLevelC7	Numeric	8	Tenderness in the neck: C7
42	PtTenderNeckAnt	Numeric	8	Tenderness in the neck: Anterior
43	PtTenderNeckPos	Numeric	8	Tenderness in the neck: Posterior
44	PtTenderNeckLat	Numeric	8	Tenderness in the neck: Lateral
45	PtTenderNeckMid	Numeric	8	Tenderness in the neck: Midline
46	PtTenderNeckOther	Numeric	8	Other neck tenderness
47	PtTenderNeckOthertxt	Character	51	Other neck tenderness text
48	PtTenderNeckOtherTxtCat	Character	3	Other neck tenderness finding deemed consistent with posterior midline neck tenderness by consensus panel
49	PtTenderChest	Numeric	8	Tenderness in the Chest
50	PtTenderBack	Numeric	8	Tenderness in the Back
51	PtTenderFlank	Numeric	8	Tenderness in the Flank
52	PtTenderAbd	Numeric	8	Tenderness in the Abdomen
53	PtTenderPelvis	Numeric	8	Tenderness in the Pelvis
54	PtTenderExt	Numeric	8	Tenderness in the Extremities
55	LimitedRangeMotion	Character	2	Did the patient have limited range of motion of the neck or torticollis?
56	OtherInjuries	Character	1	Aside from tenderness on exam, was there any other clinical evidence of substantial injuries?
57	OtherInjuriesHead	Numeric	8	Substantial Injuries to the: Head
58	OtherInjuriesFace	Numeric	8	Substantial Injuries to the: Face
59	OtherInjuriesNeck	Numeric	8	Substantial Injuries to the: Neck
60	OtherInjuriesChest	Numeric	8	Substantial Injuries to the: Chest
61	OtherInjuriesBack	Numeric	8	Substantial Injuries to the: Back
62	OtherInjuriesFlank	Numeric	8	Substantial Injuries to the: Flank
63	OtherInjuriesAbd	Numeric	8	Substantial Injuries to the: Abdomen
64	OtherInjuriesPelvis	Numeric	8	Substantial Injuries to the: Pelvis
65	OtherInjuriesExt	Numeric	8	Substantial Injuries to the: Extremities
66	MinorInjuries	Character	1	Aside from tenderness on exam, was there any other clinical evidence of minor injuries?
67	MinorInjuriesHead	Numeric	8	Minor Injuries to the: Head
68	MinorInjuriesFace	Numeric	8	Minor Injuries to the: Face

Kappa dataset summary

Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
69	MinorInjuriesNeck	Numeric	8	Minor Injuries to the: Neck
70	MinorInjuriesChest	Numeric	8	Minor Injuries to the: Chest
71	MinorInjuriesBack	Numeric	8	Minor Injuries to the: Back
72	MinorInjuriesFlank	Numeric	8	Minor Injuries to the: Flank
73	MinorInjuriesAbs	Numeric	8	Minor Injuries to the: Abdomen
74	MinorInjuriesPelv	Numeric	8	Minor Injuries to the: Pelvis
75	MinorInjuriesExt	Numeric	8	Minor Injuries to the: Extremities
76	PtParesthesias	Character	2	Did the patient have any paresthesias (abnormal tactile sensation)?
77	PtSensoryLoss	Character	2	Did the patient have any loss of sensation (loss of feeling in any region of body)?
78	PtExtremityWeakness	Character	2	Did the patient have any extremity weakness?
79	OtherNeuroDeficit	Character	2	Did the patient have a neurological deficit other than paresthesias, loss of sensation or extremity weakness?
80	OtherNeuroDeficitDesc	Character	79	If yes, please describe the neurological deficit
81	OtherNeuroDeficitDescCat	Character	3	Other neurologic finding deemed consistent with spine injury by consensus panel
82	IntervForCervicalStab	Character	1	Did the patient undergo interventions for cervical stabilization at the study site?
83	IntervForCervicalStabSCollar	Numeric	8	Cervical Stabilization: Soft Collar
84	IntervForCervicalStabRCollar	Numeric	8	Cervical Stabilization: Rigid Collar
85	IntervForCervicalStabBrace	Numeric	8	Cervical Stabilization: Brace
86	IntervForCervicalStabTraction	Numeric	8	Cervical Stabilization: Traction
87	IntervForCervicalStabSurgical	Numeric	8	Cervical Stabilization: Surgical
88	IntervForCervicalStabHalo	Numeric	8	Cervical Stabilization: Surgical - Halo
89	IntervForCervicalStabIntFix	Numeric	8	Cervical Stabilization: Surgical - Internal Fixation
90	IntervForCervicalStabIntFixtxt	Character	122	Cervical Stabilization: Surgical - Other (describe)
91	IntervForCervicalStabOther	Numeric	8	Cervical Stabilization: Other
92	IntervForCervicalStabOthertxt	Character	58	Cervical Stabilization: Other (describe)
93	OutcomeStudySite	Character	3	What was the patients neurological outcome at discharge from the study site?
94	OutcomeStudySiteNeuro	Character	3	Please classify the patients cognitive function
95	OutcomeStudySiteMobility	Character	2	Please classify the patients mobility
96	OutcomeStudySiteMobility1	Numeric	8	Complete paraplegia
97	OutcomeStudySiteMobility2	Numeric	8	Complete quadriplegia
98	OutcomeStudySiteBowel	Character	1	Please indicate the patients bowel function
99	OutcomeStudySiteUrine	Character	1	Please classify the patients bladder function
100	FieldDocumentation	Character	3	Field Documentation
101	PtAmbulatoryPriorEMSArrival	Character	2	Was patient ambulatory prior to EMS arrival?

Kappa dataset summary

Variable Number	Variable Name	Variable Type	Variable Length	Variable Label
102	PatientsPosition	Character	5	What was patients position on EMS arrival?
103	HxLOCField	Character	2	Was there history of loss of consciousness (LOC)?
104	EDDocumentation	Character	4	Outside Hospital Emergency Department (ED) Documentation
105	PtAmbulatoryPriorArrivalED	Character	2	On arrival to the outside ED was the patient ambulatory?
106	HxLOCED	Character	2	Was there history of loss of consciousness (LOC)?
107	InjuryPrimaryMechanism	Character	2	Primary Mechanism of Injury
108	InjuryPrimaryMechanismtxt	Character	160	Primary Mechanism of Injury Text
109	MVCREC	Numeric	8	Motor Vehicle Collision: Type of collision - Rear end collision
110	MVCHOC	Numeric	8	Motor Vehicle Collision: Type of collision - Head on collision
111	MVCSI	Numeric	8	Motor Vehicle Collision: Type of collision - Side Impact
112	MVCRO	Numeric	8	Motor Vehicle Collision: Type of collision - Rollover
113	MVCEFA	Numeric	8	Motor Vehicle Collision: Type of collision - Ejected from automobile
114	MVCDSC	Numeric	8	Motor Vehicle Collision: Type of collision - Death in the same collision
115	MVCSpeed	Numeric	8	Motor Vehicle Collision: Speed of patients vehicle
116	PassRestraint	Numeric	8	Motor Vehicle Collision: Was a passenger restraint system used?
117	OMTSpeed	Numeric	8	Other Motorized Transport Crash: Speed of patients vehicle
118	Assault	Numeric	8	Blunt injury: Assault?
119	ChildAbuse	Numeric	8	Blunt injury: Suspected or confirmed child abuse?
120	ShakenBabySyndrome	Numeric	8	Blunt injury: Shaken baby syndrome?
121	FallFromElevation	Numeric	8	Fall from elevation: Estimated height in feet
122	FallDownStairs	Numeric	8	Fall down stairs: Estimated number of stairs
123	Helmet	Character	2	Was the child wearing protective helmet?
124	clotheslining	Character	2	Was the injury a result of an object striking the neck?

Kappa dataset summary

The FREQ Procedure

On arrival to the study site was the patient ambulatory?		
PtAmbulatoryPriorArrival	**Frequency**	**Percent**
3	7	1.92
N	299	81.92
ND	26	7.12
Y	33	9.04

Was there history of loss of consciousness - LOC?		
HxLOCSite	**Frequency**	**Percent**
3	24	6.58
N	206	56.44
ND	20	5.48
U	18	4.93
Y	97	26.58

Section Glasgow Coma Scores available		
SectionGCSAvailable	**Frequency**	**Percent**
ND	176	48.22
Y	189	51.78

Total GCS available		
TotalGCSAvailable	**Frequency**	**Percent**
	189	51.78
ND	81	22.19
Y	95	26.03

Kappa dataset summary

The FREQ Procedure

Total GCS if section scores not available		
TotalGCSManual	Frequency	Percent
	270	73.97
12	1	0.27
13	2	0.55
14	6	1.64
15	77	21.10
3	5	1.37
6	2	0.55
8	1	0.27
9	1	0.27

Section GCS for eye		
GCSEye	Frequency	Percent
	177	48.49
1	22	6.03
2	5	1.37
3	6	1.64
4	155	42.47

Section GCS for verbal		
VerbalGCS	Frequency	Percent
	177	48.49
1	19	5.21
2	9	2.47
3	2	0.55
4	14	3.84
5	144	39.45

Kappa dataset summary

The FREQ Procedure

Section GCS for motor		
MotorGCS	Frequency	Percent
	177	48.49
1	13	3.56
3	1	0.27
4	8	2.19
5	12	3.29
6	154	42.19

Calculated total GCS		
TotalGCS	Frequency	Percent
	177	48.49
10	2	0.55
11	3	0.82
12	2	0.55
13	3	0.82
14	14	3.84
15	138	37.81
3	10	2.74
4	1	0.27
6	3	0.82
7	9	2.47
8	3	0.82

Is there documentation of the patients mental status using a narrative description or an AVPU category?		
AVPU	Frequency	Percent
N	11	3.01
Y	354	96.99

Kappa dataset summary

The FREQ Procedure

If there is documentation of the patients mental status, which AVPU category best describes patients mental status?		
AVPUDetails	**Frequency**	**Percent**
	11	3.01
A	288	78.90
N	35	9.59
P	18	4.93
U	8	2.19
V	5	1.37

If documentation of patients mental status used a term that cannot be mapped to AVPU, which term best describes patients mental status?		
AVPUMental	**Frequency**	**Percent**
	330	90.41
OTH	35	9.59

Kappa dataset summary

The FREQ Procedure

If patients mental status is other, please describe		
AVPUMentaltxt	Frequency	Percent
	330	90.41
Agitated	1	0.27
Appropriate	1	0.27
Confused	1	0.27
Euthymic	1	0.27
agitated, crying,moaning cry, occasional episodes of decorticate posturing	1	0.27
agitated; combative	1	0.27
alert but disoriented	1	0.27
answers questions appropriately	1	0.27
anxious	1	0.27
appropriate, well-appearing	1	0.27
confused, moaning	1	0.27
confused, unable to remember anything, amnesia, anxious	1	0.27
hysterical, crying but consolable	1	0.27
intbated, sedated	1	0.27
interacts, consolable	1	0.27
intermittently alert/ irritable/ somnolent	1	0.27
intubated	1	0.27
intubated, sedated	1	0.27
intubated, sedated, paralyzed	1	0.27
mildly irritable	1	0.27
no apparent distress	1	0.27
oriented to person only	1	0.27
paralyzed	1	0.27
paralyzed, sedated	1	0.27
responsive to noxious stimuli/deep sternal rub	1	0.27
seized on or shortly after EDD arrival, then 'post-ictal moves all extemities'	1	0.27
sleepy but arousable	1	0.27
sleepy but arousable, agitated	1	0.27
sleepy, oriented to person and place	1	0.27
sleepy, slow to respond	1	0.27
thrashing, moving all extremities,	1	0.27

Kappa dataset summary

The FREQ Procedure

If patients mental status is other, please describe		
AVPUMentaltxt	Frequency	Percent
tired, difficult to awaken, a bit uncooperative	1	0.27
trying to extubate self, moving all 4	1	0.27
waxing and waning consciousness	1	0.27
well, following commands	1	0.27

Other Term used that cannot be mapped to AVPU (Categorized)		
AVPUMentaltxtCat	Frequency	Percent
	338	92.60
ALTERED	22	6.03
UNALTERED	5	1.37

Did the patient complain of pain?		
PtCompPain	Frequency	Percent
N	41	11.23
NA	35	9.59
ND	16	4.38
P	18	4.93
S	12	3.29
Y	237	64.93
YND	6	1.64

Complaint of pain in the Head		
PtCompPainHead	Frequency	Percent
0	292	80.00
1	73	20.00

Complaint of pain in the Face		
PtCompPainFace	Frequency	Percent
0	342	93.70
1	23	6.30

Kappa dataset summary

The FREQ Procedure

Complaint of pain in the Neck		
PtCompPainNeck	**Frequency**	**Percent**
0	240	65.75
1	125	34.25

If neck pain was indicated, did the pain increase with neck movement?		
PtCompPainNeckMove	**Frequency**	**Percent**
	240	65.75
N	4	1.10
ND	105	28.77
Y	16	4.38

Complaint of pain in the Chest		
PtCompPainChest	**Frequency**	**Percent**
0	343	93.97
1	22	6.03

Complaint of pain in the Back		
PtCompPainBack	**Frequency**	**Percent**
0	324	88.77
1	41	11.23

Complaint of pain in the Flank		
PtCompPainFlank	**Frequency**	**Percent**
0	364	99.73
1	1	0.27

Complaint of pain in the Abdomen		
PtCompPainAbd	**Frequency**	**Percent**
0	343	93.97
1	22	6.03

Kappa dataset summary

The FREQ Procedure

Complaint of pain in the Pelvis		
PtCompPainPelvis	Frequency	Percent
0	362	99.18
1	3	0.82

Complaint of pain in the Extremities		
PtCompPainExt	Frequency	Percent
0	272	74.52
1	93	25.48

Did the patient have tenderness on exam?		
PtTender	Frequency	Percent
N	104	28.49
NA	35	9.59
ND	6	1.64
S	12	3.29
Y	208	56.99

Tenderness in the Head		
PtTenderHead	Frequency	Percent
0	347	95.07
1	18	4.93

Tenderness in the Face		
PtTenderFace	Frequency	Percent
0	355	97.26
1	10	2.74

Tenderness in the Neck		
PtTenderNeck	Frequency	Percent
0	229	62.74
1	136	37.26

Kappa dataset summary

The FREQ Procedure

Tenderness in the Neck: Level		
PtTenderNeckLevel	Frequency	Percent
0	315	86.30
1	50	13.70

Tenderness in the neck: C1		
PtTenderNeckLevelC1	Frequency	Percent
0	357	97.81
1	8	2.19

Tenderness in the neck: C2		
PtTenderNeckLevelC2	Frequency	Percent
0	352	96.44
1	13	3.56

Tenderness in the neck: C3		
PtTenderNeckLevelC3	Frequency	Percent
0	343	93.97
1	22	6.03

Tenderness in the neck: C4		
PtTenderNeckLevelC4	Frequency	Percent
0	342	93.70
1	23	6.30

Tenderness in the neck: C5		
PtTenderNeckLevelC5	Frequency	Percent
0	338	92.60
1	27	7.40

Kappa dataset summary

The FREQ Procedure

Tenderness in the neck: C6		
PtTenderNeckLevelC6	Frequency	Percent
0	347	95.07
1	18	4.93

Tenderness in the neck: C7		
PtTenderNeckLevelC7	Frequency	Percent
0	346	94.79
1	19	5.21

Tenderness in the neck: Anterior		
PtTenderNeckAnt	Frequency	Percent
0	365	100.00

Tenderness in the neck: Posterior		
PtTenderNeckPos	Frequency	Percent
0	347	95.07
1	18	4.93

Tenderness in the neck: Lateral		
PtTenderNeckLat	Frequency	Percent
0	340	93.15
1	25	6.85

Tenderness in the neck: Midline		
PtTenderNeckMid	Frequency	Percent
0	332	90.96
1	33	9.04

Other neck tenderness		
PtTenderNeckOther	Frequency	Percent
0	312	85.48
1	53	14.52

Kappa dataset summary

The FREQ Procedure

Other neck tenderness text		
PtTenderNeckOthertxt	**Frequency**	**Percent**
	312	85.48
'L SCM'	1	0.27
'entire c/s'	1	0.27
Right SCM	1	0.27
T1	2	0.55
T5	1	0.27
Upper c-spine	1	0.27
all along midline	1	0.27
around T1	1	0.27
base of c-spine	1	0.27
c-spine	1	0.27
cervical	1	0.27
cervical spine	1	0.27
cervical spine tenderness at C5	1	0.27
diffues cspine	1	0.27
diffuse	2	0.55
diffuse; lower	1	0.27
diffusely	1	0.27
diffusely tender	1	0.27
entire	1	0.27
entire c-spine	1	0.27
inconsistent tender	1	0.27
left SCM, mild upper cervical pain	1	0.27
left musculature	1	0.27
left sternocleidomastoid	2	0.55
light	1	0.27
mid and upper cervical spine	1	0.27
mid cervical spine	1	0.27
mid cspine	1	0.27
mild. no location given	1	0.27
musculoskeletal	1	0.27
non-specific tenderness	1	0.27

Kappa dataset summary

The FREQ Procedure

Other neck tenderness text		
PtTenderNeckOthertxt	**Frequency**	**Percent**
over c-spine	1	0.27
paraspinal muscle mild tenerness	1	0.27
paraspinal muscles	2	0.55
point	1	0.27
right lateral side on lower aspect	1	0.27
right paraspinal	1	0.27
soft tissues	1	0.27
sternocliedomastoid left	1	0.27
tenderness over upper cspine	1	0.27
throughout	1	0.27
top to bottom	1	0.27
upper and ST right	1	0.27
upper and mid cervcial spine tenderness	1	0.27
upper cervical region	1	0.27
upper cervical, med student note mentions C1 and C2	1	0.27
upper half of neck on right	1	0.27
upper-mid	1	0.27
with flexion	1	0.27

Other neck tenderness finding deemed consistent with posterior midline neck tenderness by consensus panel		
PtTenderNeckOtherTxtCat	**Frequency**	**Percent**
	312	85.48
No	31	8.49
Yes	22	6.03

Tenderness in the Chest		
PtTenderChest	**Frequency**	**Percent**
0	344	94.25
1	21	5.75

Kappa dataset summary

The FREQ Procedure

Tenderness in the Back		
PtTenderBack	Frequency	Percent
0	320	87.67
1	45	12.33

Tenderness in the Flank		
PtTenderFlank	Frequency	Percent
0	364	99.73
1	1	0.27

Tenderness in the Abdomen		
PtTenderAbd	Frequency	Percent
0	333	91.23
1	32	8.77

Tenderness in the Pelvis		
PtTenderPelvis	Frequency	Percent
0	360	98.63
1	5	1.37

Tenderness in the Extremities		
PtTenderExt	Frequency	Percent
0	293	80.27
1	72	19.73

Did the patient have limited range of motion of the neck or torticollis?		
LimitedRangeMotion	Frequency	Percent
3	10	2.74
4	236	64.66
N	70	19.18
NA	17	4.66

Kappa dataset summary

The FREQ Procedure

Did the patient have limited range of motion of the neck or torticollis?		
LimitedRangeMotion	Frequency	Percent
ND	10	2.74
Y	22	6.03

Aside from tenderness on exam, was there any other clinical evidence of substantial injuries?		
OtherInjuries	Frequency	Percent
N	274	75.07
Y	91	24.93

Substantial Injuries to the: Head		
OtherInjuriesHead	Frequency	Percent
0	319	87.40
1	46	12.60

Substantial Injuries to the: Face		
OtherInjuriesFace	Frequency	Percent
0	348	95.34
1	17	4.66

Substantial Injuries to the: Neck		
OtherInjuriesNeck	Frequency	Percent
0	358	98.08
1	7	1.92

Substantial Injuries to the: Chest		
OtherInjuriesChest	Frequency	Percent
0	353	96.71
1	12	3.29

Kappa dataset summary

The FREQ Procedure

Substantial Injuries to the: Back		
OtherInjuriesBack	Frequency	Percent
0	363	99.45
1	2	0.55

Substantial Injuries to the: Flank		
OtherInjuriesFlank	Frequency	Percent
0	365	100.00

Substantial Injuries to the: Abdomen		
OtherInjuriesAbd	Frequency	Percent
0	354	96.99
1	11	3.01

Substantial Injuries to the: Pelvis		
OtherInjuriesPelvis	Frequency	Percent
0	361	98.90
1	4	1.10

Substantial Injuries to the: Extremities		
OtherInjuriesExt	Frequency	Percent
0	337	92.33
1	28	7.67

Aside from tenderness on exam, was there any other clinical evidence of minor injuries?		
MinorInjuries	Frequency	Percent
N	166	45.48
Y	199	54.52

Kappa dataset summary

The FREQ Procedure

Minor Injuries to the: Head		
MinorInjuriesHead	Frequency	Percent
0	296	81.10
1	69	18.90

Minor Injuries to the: Face		
MinorInjuriesFace	Frequency	Percent
0	264	72.33
1	101	27.67

Minor Injuries to the: Neck		
MinorInjuriesNeck	Frequency	Percent
0	347	95.07
1	18	4.93

Minor Injuries to the: Chest		
MinorInjuriesChest	Frequency	Percent
0	338	92.60
1	27	7.40

Minor Injuries to the: Back		
MinorInjuriesBack	Frequency	Percent
0	351	96.16
1	14	3.84

Minor Injuries to the: Flank		
MinorInjuriesFlank	Frequency	Percent
0	359	98.36
1	6	1.64

Kappa dataset summary

The FREQ Procedure

Minor Injuries to the: Abdomen		
MinorInjuriesAbs	Frequency	Percent
0	354	96.99
1	11	3.01

Minor Injuries to the: Pelvis		
MinorInjuriesPelv	Frequency	Percent
0	355	97.26
1	10	2.74

Minor Injuries to the: Extremities		
MinorInjuriesExt	Frequency	Percent
0	264	72.33
1	101	27.67

Did the patient have any paresthesias (abnormal tactile sensation)?		
PtParesthesias	Frequency	Percent
3	11	3.01
N	259	70.96
NA	50	13.70
ND	23	6.30
Y	22	6.03

Did the patient have any loss of sensation (loss of feeling in any region of body)?		
PtSensoryLoss	Frequency	Percent
3	11	3.01
N	287	78.63
NA	34	9.32
ND	18	4.93
Y	15	4.11

Kappa dataset summary

The FREQ Procedure

Did the patient have any extremity weakness?		
PtExtremityWeakness	Frequency	Percent
3	10	2.74
N	298	81.64
NA	33	9.04
ND	6	1.64
Y	18	4.93

Did the patient have a neurological deficit other than paresthesias, loss of sensation or extremity weakness?		
OtherNeuroDeficit	Frequency	Percent
N	307	84.11
NA	32	8.77
ND	7	1.92
Y	19	5.21

If yes, please describe the neurological deficit		
OtherNeuroDeficitDesc	Frequency	Percent
	346	94.79
aphasia, facial weakness, trembling right hand, unsteadiness of gait	1	0.27
cannot speak	1	0.27
decreased rectal tone	2	0.55
decreased rectal tone, priapism	1	0.27
decreased rectal tone; pupils fixed and dilated	1	0.27
decreased rectal tone; right pupil sluggish	1	0.27
dizzy	1	0.27
dtrs trace upper ext; right toes <--> ; left down;	1	0.27
eye deviation, eyes not tracking, decreased rectal tone, no extremity movement	1	0.27
hearing changes	1	0.27
increased tone lower extremities	1	0.27
loss of rectal tone	1	0.27
lue twitching	1	0.27
mild decreased rectal tone	1	0.27

Kappa dataset summary

The FREQ Procedure

If yes, please describe the neurological deficit		
OtherNeuroDeficitDesc	**Frequency**	**Percent**
priapism, decreased rectal tone	1	0.27
pupils fixed and dilated	1	0.27
repetitive questions, short term memory loss	1	0.27
will not speak, willl not follow commands, altered MS	1	0.27

Other neurologic finding deemed consistent with spine injury by consensus panel		
OtherNeuroDeficitDescCat	**Frequency**	**Percent**
	346	94.79
No	8	2.19
Yes	11	3.01

Did the patient undergo interventions for cervical stabilization at the study site?		
IntervForCervicalStab	**Frequency**	**Percent**
N	230	63.01
Y	135	36.99

Cervical Stabilization: Soft Collar		
IntervForCervicalStabSCollar	**Frequency**	**Percent**
0	355	97.26
1	10	2.74

Cervical Stabilization: Rigid Collar		
IntervForCervicalStabRCollar	**Frequency**	**Percent**
0	258	70.68
1	107	29.32

Cervical Stabilization: Brace		
IntervForCervicalStabBrace	**Frequency**	**Percent**
0	363	99.45
1	2	0.55

Kappa dataset summary

The FREQ Procedure

Cervical Stabilization: Traction		
IntervForCervicalStabTraction	Frequency	Percent
0	360	98.63
1	5	1.37

Cervical Stabilization: Surgical		
IntervForCervicalStabSurgical	Frequency	Percent
0	349	95.62
1	16	4.38

Cervical Stabilization: Surgical - Halo		
IntervForCervicalStabHalo	Frequency	Percent
0	352	96.44
1	13	3.56

Cervical Stabilization: Surgical - Internal Fixation		
IntervForCervicalStabIntFix	Frequency	Percent
0	356	97.53
1	9	2.47

Cervical Stabilization: Surgical - Other (describe)		
IntervForCervicalStabIntFixtxt	Frequency	Percent
	356	97.53
C1-C3 fusion	1	0.27
C4-5 anterior diskectomy and fusion with allograft bone and anterior plating	1	0.27
anterior approach to odontoid with tansodeontoid screw fixation of fracture	1	0.27
c5-6 fusion	1	0.27
halo placed first; then c4-7 anterior cervical fusion with atlantis anterior cervical plate and fibular allograft strut	1	0.27
open reduction and posterior spinal fusion/ bone graft	1	0.27
open reduction of c1-c2 subluxaton with Gallie fusion (C1-C2)	1	0.27

Kappa dataset summary

The FREQ Procedure

Cervical Stabilization: Surgical - Other (describe)		
IntervForCervicalStabIntFixtxt	**Frequency**	**Percent**
posterior c3-c6lateral mass fixation nad fusion, c4-5 corpectamies with fibu;lar strut grfatand orion plating	1	0.27
posterior spinal fusion C2-C3 with an intraspinous process wiring technique; right posterior iliac crest bone graft havest	1	0.27

Cervical Stabilization: Other		
IntervForCervicalStabOther	**Frequency**	**Percent**
0	358	98.08
1	7	1.92

Cervical Stabilization: Other (describe)		
IntervForCervicalStabOthertxt	**Frequency**	**Percent**
	358	98.08
aspen collar	2	0.55
collar was removed on 2nd day in picu	1	0.27
full spinal immobilization	1	0.27
miami collar	1	0.27
sand bags to improve immobilization during transport to CT	1	0.27
towels to support c-collar	1	0.27

What was the patients neurological outcome at discharge from the study site?		
OutcomeStudySite	**Frequency**	**Percent**
DTH	9	2.47
N	326	89.32
PND	30	8.22

Kappa dataset summary

The FREQ Procedure

Please classify the patients cognitive function		
OutcomeStudySiteNeuro	**Frequency**	**Percent**
	335	91.78
MD	9	2.47
NR	14	3.84
PVS	1	0.27
SD	6	1.64

Please classify the patients mobility		
OutcomeStudySiteMobility	**Frequency**	**Percent**
	335	91.78
DA	10	2.74
I	4	1.10
N	11	3.01
WD	5	1.37

Complete paraplegia		
OutcomeStudySiteMobility1	**Frequency**	**Percent**
0	363	99.45
1	2	0.55

Complete quadriplegia		
OutcomeStudySiteMobility2	**Frequency**	**Percent**
0	364	99.73
1	1	0.27

Please indicate the patients bowel function		
OutcomeStudySiteBowel	**Frequency**	**Percent**
	335	91.78
I	10	2.74
N	20	5.48

Kappa dataset summary

The FREQ Procedure

Please classify the patients bladder function		
OutcomeStudySiteUrine	**Frequency**	**Percent**
	335	91.78
C	3	0.82
I	7	1.92
N	20	5.48

Field Documentation		
FieldDocumentation	**Frequency**	**Percent**
	1	0.27
EMS	194	53.15
NR	90	24.66
OTR	80	21.92

Was patient ambulatory prior to EMS arrival?		
PtAmbulatoryPriorEMSArrival	**Frequency**	**Percent**
	171	46.85
N	55	15.07
ND	93	25.48
PA	8	2.19
Y	38	10.41

What was patients position on EMS arrival?		
PatientsPosition	**Frequency**	**Percent**
	171	46.85
IDEMS	35	9.59
L	62	16.99
ND	53	14.52
PA	2	0.55
S	31	8.49
W	11	3.01

Kappa dataset summary

The FREQ Procedure

Was there history of loss of consciousness (LOC)?		
HxLOCField	Frequency	Percent
	171	46.85
N	90	24.66
ND	41	11.23
S	7	1.92
U	12	3.29
Y	44	12.05

Outside Hospital Emergency Department (ED) Documentation		
EDDocumentation	Frequency	Percent
	2	0.55
ED	59	16.16
EDU	23	6.30
SITE	281	76.99

On arrival to the outside ED was the patient ambulatory?		
PtAmbulatoryPriorArrivalED	Frequency	Percent
	307	84.11
N	39	10.68
ND	7	1.92
Y	12	3.29

Was there history of loss of consciousness (LOC)?		
HxLOCED	Frequency	Percent
	307	84.11
N	30	8.22
ND	10	2.74
S	3	0.82
U	4	1.10
Y	11	3.01

Kappa dataset summary

The FREQ Procedure

Primary Mechanism of Injury		
InjuryPrimaryMechanism	**Frequency**	**Percent**
1	97	26.58
10	8	2.19
11	19	5.21
12	3	0.82
13	2	0.55
14	39	10.68
2	7	1.92
20	7	1.92
3	17	4.66
4	11	3.01
5	3	0.82
6	38	10.41
7	24	6.58
8	43	11.78
9	47	12.88

Kappa dataset summary

The FREQ Procedure

Primary Mechanism of Injury Text		
InjuryPrimaryMechanismtxt	**Frequency**	**Percent**
	276	75.62
ATV	4	1.10
Basketball- hit in head with ball	1	0.27
Fell from horse	1	0.27
Football	1	0.27
Football, collided helmets with another player, axial load	1	0.27
Football, tackled ended up at bottom of pile	1	0.27
Football,tackled	1	0.27
Hockey,	1	0.27
Indoor soccer, ran into a wall	1	0.27
Jumping on trampoline- landed backward on head	1	0.27
Soccer kicked in head	1	0.27
Trampoline: fell off trampoline onto head	1	0.27
Turning backflips on playground, landed on neck	1	0.27
alleged assault	1	0.27
baseball	1	0.27
baseball catcher struck in back of neck with other players outstretched arm	1	0.27
basketball	3	0.82
checked into boards in hockey	1	0.27
checked into boards playing hockey	1	0.27
cheerleading	1	0.27
cheerleading,fell backward landed on back	1	0.27
crowd surge, pt pinned against a wall, fainted and experienced neck and back pain	1	0.27
dog bite versus scratch	1	0.27
doing sumersault	1	0.27
fall from horse	1	0.27
fell backward during basketball game	1	0.27
fell off horse	2	0.55
fell off horse, dragged and kicked	1	0.27
fell out of a moving vehicle. Mother mentioned that chil was seat belted - questionable as child fell out of car after sibling opened car door. Car spped ~20mph	1	0.27
fell while jumping in moon bounce	1	0.27
football	4	1.10

Kappa dataset summary

The FREQ Procedure

Primary Mechanism of Injury Text		
InjuryPrimaryMechanismtxt	**Frequency**	**Percent**
football collision	1	0.27
football, collided helmets	1	0.27
football, fell onto knee of other player, striking neck	1	0.27
football: tackled and helmet was pushed down and he hyperextened his neck	1	0.27
football; went to tackle - helmet embedded into ground	1	0.27
found face down in crib	1	0.27
found in backseat of car with seatbelt wrapped around neck, unresponsive	1	0.27
found unresponsive face down in kiddy pool	1	0.27
gym class	1	0.27
head caught between a bulll and a gate!!	1	0.27
headon collision between 2 players during football	1	0.27
hit head and or neck on car door while atempting to enter car	1	0.27
hockey	2	0.55
hot by bike while in wheelchair	1	0.27
jumping off bed, unwitnessed	1	0.27
jumping on sofa, experienced acute onset neck pain	1	0.27
motor cross bike	1	0.27
motorcycle	1	0.27
motorcycle, ejected in mid air	1	0.27
no history of trauma given by family, Ca suspected	1	0.27
on trampoline, fell backwards, hyperextending neck	1	0.27
pt struck by motorized scooter while walking	1	0.27
riding a wakeboard behind jet ski and accident with other jet ski	1	0.27
rollerblading	1	0.27
ski injury, collided with another skier	1	0.27
sledding	1	0.27
snowboarding	5	1.37
soccer	2	0.55
soccer, hit in chest with soccer ball	1	0.27
soccer; tripped and landed on right shoulder and head	1	0.27
somersault and felt neck pain and torticollis	1	0.27
stepped on by a bull; fell of bull while riding it	1	0.27

Kappa dataset summary

The FREQ Procedure

Primary Mechanism of Injury Text		
InjuryPrimaryMechanismtxt	**Frequency**	**Percent**
swinging purse around neck	1	0.27
swingset: fall while swinging; landed on back	1	0.27
trauma note mentions question between fall from standing versus being assaulted by siblings, peds surgery note mentions fall,	1	0.27
turned head to watch TV	1	0.27
while doing backward somersault, landed funny on neck and heard snap	1	0.27
wrestling	3	0.82
wrestling with a friend	1	0.27
wrestling with brother and brother jumped on him his neck	1	0.27
wrestling with dad	1	0.27

Motor Vehicle Collision: Type of collision - Rear end collision		
MVCREC	**Frequency**	**Percent**
0	345	94.52
1	20	5.48

Motor Vehicle Collision: Type of collision - Head on collision		
MVCHOC	**Frequency**	**Percent**
0	344	94.25
1	21	5.75

Motor Vehicle Collision: Type of collision - Side Impact		
MVCSI	**Frequency**	**Percent**
0	334	91.51
1	31	8.49

Kappa dataset summary

The FREQ Procedure

Motor Vehicle Collision: Type of collision - Rollover		
MVCRO	**Frequency**	**Percent**
0	350	95.89
1	15	4.11

Motor Vehicle Collision: Type of collision - Ejected from automobile		
MVCEFA	**Frequency**	**Percent**
0	359	98.36
1	6	1.64

Motor Vehicle Collision: Type of collision - Death in the same collision		
MVCDSC	**Frequency**	**Percent**
0	362	99.18
1	3	0.82

Motor Vehicle Collision: Speed of patients vehicle		
MVCSpeed	**Frequency**	**Percent**
.	316	86.58
1	11	3.01
2	18	4.93
3	20	5.48

Motor Vehicle Collision: Was a passenger restraint system used?		
PassRestraint	**Frequency**	**Percent**
.	274	75.07
0	27	7.40
1	64	17.53

Kappa dataset summary

The FREQ Procedure

Other Motorized Transport Crash: Speed of patients vehicle		
OMTSpeed	Frequency	Percent
.	363	99.45
1	1	0.27
2	1	0.27

Blunt injury: Assault?		
Assault	Frequency	Percent
0	357	97.81
1	8	2.19

Blunt injury: Suspected or confirmed child abuse?		
ChildAbuse	Frequency	Percent
0	364	99.73
1	1	0.27

Blunt injury: Shaken baby syndrome?		
ShakenBabySyndrome	Frequency	Percent
0	365	100.00

Fall from elevation: Estimated height in feet		
FallFromElevation	Frequency	Percent
.	323	88.49
1	9	2.47
2	13	3.56
3	20	5.48

Kappa dataset summary

The FREQ Procedure

Fall down stairs: Estimated number of stairs		
FallDownStairs	Frequency	Percent
.	357	97.81
1	4	1.10
2	3	0.82
3	1	0.27

Was the injury a result of an object striking the neck?		
clotheslining	Frequency	Percent
	214	58.63
N	139	38.08
ND	9	2.47
Y	3	0.82

Was the child wearing protective helmet?		
Helmet	Frequency	Percent
	238	65.21
N	38	10.41
ND	65	17.81
Y	24	6.58