



H·CUP

HEALTHCARE COST AND UTILIZATION PROJECT

HCUP Methods Series



Agency for Healthcare
Research and Quality



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**Table 1: Percent of All Discharges with Injury Diagnoses
2001 HCUP Inpatient Discharges**

	Percent of All Discharges with Injury Diagnoses		
	Based on Principal Diagnosis	Based on Secondary Diagnoses	Based on All Diagnoses
Summary			
Total U.S. (NIS)	4.6% (4.38-4.78)	4.0% (3.78-4.12)	6.8% (6.54-7.01)
Total U.S. (NHDS)	5.0% (4.86-5.13)	3.8% (3.67-3.91)	6.9% (6.77-7.09)
Average across all States	4.9%	4.2%	7.1%
Minimum across all States	4.1%	3.1%	5.9%
Maximum across all States	6.0%	5.4%	8.7%
Arizona	5.5%	4.5%	7.6%
California	5.0%	4.3%	7.3%
Colorado	6.0%	5.4%	8.7%
Connecticut	4.5%	3.9%	6.8%
Florida	4.8%	4.4%	7.3%
Georgia	4.1%	3.6%	6.0%
Hawaii	5.4%	4.6%	7.6%
Illinois	4.5%	3.9%	6.7%
Iowa	5.5%	4.5%	8.1%
Kansas	5.5%	4.6%	7.8%
Kentucky	4.4%	3.9%	6.5%
Maine	5.5%	4.4%	7.9%
Maryland	4.8%	4.5%	7.2%
Massachusetts	4.8%	3.9%	7.1%
Michigan	4.5%	4.4%	7.1%
Minnesota	5.1%	4.7%	7.7%
Missouri	5.3%	5.1%	8.1%
Nebraska	4.8%	3.6%	6.7%
New Jersey	4.4%	3.2%	6.0%
New York	4.3%	3.1%	5.9%
North Carolina	4.3%	3.8%	6.3%
Oregon	5.8%	4.4%	7.8%
Pennsylvania	5.1%	4.3%	7.4%
Rhode Island	4.4%	3.9%	6.8%
South Carolina	4.5%	3.6%	6.2%
Tennessee	4.9%	4.4%	7.1%
Texas	4.3%	3.7%	6.4%
Utah	4.8%	4.1%	6.7%
Vermont	5.5%	4.3%	7.7%
Virginia	4.4%	3.9%	6.5%
Washington	5.0%	4.2%	7.1%
West Virginia	4.9%	4.3%	7.1%
Wisconsin	5.4%	4.7%	7.9%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 2: Percent of Injury Discharges with an Injury E Code
2001 HCUP Inpatient Discharges**

	Percent of Discharges with Injury Code in the Principal Diagnosis	Percent of Injury Discharges with an E Code in the Secondary Diagnoses	Percent of Injury Discharges with no E Code in the Secondary Diagnoses
Total U.S. (NIS)	4.6% (4.38-4.78)	85.7% (83.91-87.52)	14.3% (12.48-16.09)
Total U.S. (NHDS)	5.0% (4.86-5.13)	68.0% (67.72-68.31)	32.0% (31.69-32.28)
Average across all States	4.9%	87.2%	12.8%
Minimum across all States	4.1%	52.6%	0.6%
Maximum across all States	6.0%	99.4%	47.4%
Arizona	5.5%	79.1%	20.9%
California	5.0%	95.0%	5.0%
Colorado	6.0%	99.1%	0.9%
Connecticut	4.5%	99.4%	0.6%
Florida	4.8%	80.1%	19.9%
Georgia	4.1%	94.2%	5.8%
Hawaii	5.4%	60.4%	39.6%
Illinois	4.5%	56.5%	43.5%
Iowa	5.5%	80.7%	19.3%
Kansas	5.5%	59.8%	40.2%
Kentucky	4.4%	76.4%	23.6%
Maine	5.5%	87.0%	13.0%
Maryland	4.8%	95.7%	4.3%
Massachusetts	4.8%	98.6%	1.4%
Michigan	4.5%	85.5%	14.5%
Minnesota	5.1%	85.0%	15.0%
Missouri	5.3%	98.3%	1.7%
Nebraska	4.8%	95.9%	4.1%
New Jersey	4.4%	98.9%	1.1%
New York	4.3%	98.8%	1.2%
North Carolina	4.3%	95.5%	4.5%
Oregon	5.8%	87.9%	12.1%
Pennsylvania	5.1%	96.3%	3.7%
Rhode Island	4.4%	92.8%	7.2%
South Carolina	4.5%	97.1%	2.9%
Tennessee	4.9%	94.9%	5.1%
Texas	4.3%	71.8%	28.2%
Utah	4.8%	92.3%	7.7%
Vermont	5.5%	98.8%	1.2%
Virginia	4.4%	78.1%	21.9%
Washington	5.0%	97.3%	2.7%
West Virginia	4.9%	52.6%	47.4%
Wisconsin	5.4%	98.5%	1.5%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 3: Percent of Injury Discharges with an Injury E Code by Body Region using a modified Barell Matrix
2001 HCUP Inpatient Discharges**

	Percent of Injury Discharges with an E Code in the Secondary Diagnoses	Percent of Head and Neck Injury Discharges with an E Code	Percent of Spine and Back Injury Discharges with an E Code	Percent of Torso Injury Discharges with an E Code	Percent of Extremities Injury Discharges with an E Code	Percent of Unclassified by Site Injury Discharges with an E Code
Total U.S. (NIS)	85.7% (83.91-87.52)	88.5% (86.52-90.48)	82.1% (79.90-84.33)	85.9% (84.03-87.70)	84.6% (82.67-86.60)	87.7% (85.99-89.45)
Total U.S. (NHDS)	68.0% (67.72-68.31)	67.2% (63.87-70.59)	59.6% (53.34-65.82)	64.0% (60.10-67.94)	66.4% (64.56-68.30)	79.2% (76.34-82.02)
Arizona	79.1%	71.8%	70.7%	79.1%	81.6%	82.9%
California	95.0%	96.4%	92.6%	94.4%	94.3%	97.3%
Colorado	99.1%	98.7%	99.2%	99.0%	99.6%	98.1%
Connecticut	99.4%	99.5%	99.7%	99.1%	99.7%	98.2%
Florida	80.1%	83.1%	73.3%	80.8%	78.1%	85.3%
Georgia	94.2%	95.3%	93.2%	94.3%	94.4%	92.5%
Hawaii	60.4%	49.7%	47.4%	52.7%	62.7%	83.9%
Illinois	56.5%	62.0%	48.6%	57.3%	54.4%	59.6%
Iowa	80.7%	88.2%	73.9%	79.0%	78.2%	88.8%
Kansas	59.8%	64.9%	53.0%	60.2%	54.3%	74.3%
Kentucky	76.4%	83.5%	71.2%	80.0%	71.5%	84.8%
Maine	87.0%	86.7%	79.1%	85.0%	87.8%	89.4%
Maryland	95.7%	95.9%	95.4%	95.3%	96.0%	94.6%
Massachusetts	98.6%	98.8%	99.0%	98.8%	98.8%	97.3%
Michigan	85.5%	89.8%	81.6%	88.0%	82.6%	89.4%
Minnesota	85.0%	84.5%	80.5%	84.1%	84.3%	90.9%
Missouri	98.3%	98.6%	98.5%	97.7%	98.5%	98.1%
Nebraska	95.9%	97.9%	98.2%	95.3%	95.9%	93.4%
New Jersey	98.9%	98.9%	99.3%	98.9%	99.4%	97.2%
New York	98.8%	99.2%	99.2%	98.7%	98.8%	98.7%
North Carolina	95.5%	95.9%	93.6%	95.8%	95.8%	94.9%
Oregon	87.9%	91.2%	85.0%	88.7%	85.9%	91.8%
Pennsylvania	96.3%	97.4%	96.3%	96.3%	95.9%	96.2%
Rhode Island	92.8%	95.2%	92.0%	94.7%	91.8%	93.3%
South Carolina	97.1%	97.7%	96.7%	96.4%	97.4%	96.7%
Tennessee	94.9%	95.2%	93.9%	94.8%	95.2%	94.1%
Texas	71.8%	75.5%	65.2%	71.8%	68.1%	82.4%
Utah	92.3%	92.5%	93.0%	91.4%	92.3%	92.6%
Vermont	98.8%	98.9%	99.6%	99.3%	98.9%	97.6%
Virginia	78.1%	81.2%	74.5%	77.5%	75.7%	84.5%
Washington	97.3%	97.9%	96.4%	97.0%	97.4%	97.2%
West Virginia	52.6%	55.8%	49.9%	52.6%	48.2%	64.1%
Wisconsin	98.5%	98.5%	98.8%	98.1%	98.8%	97.9%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 4a: Percent of Injury Discharges with an Injury E Code by Modified Barell Matrix for the Head and Neck
2001 HCUP Inpatient Discharges**

/ - Not Applicable

// - Estimates based on a small sample size have been suppressed. *

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Head and Neck												
Total U.S. (NIS)	88.8% (86.56-91.04)	//	//	87.4% (85.30-89.51)	90.4% (88.15-92.64)	/	91.2% (86.61-95.78)	88.7% (86.25-91.06)	//	91.6% (88.67-94.49)	89.4% (83.03-95.87)	90.4% (87.91-92.81)
Total U.S. (NHDS)	66.7% (60.14-73.33)	//	///	65.6% (60.49-70.64)	//	/	//	//	///	//	//	//
Arizona	70.8%	//	///	75.7%	72.7%	/	//	70.9%	//	94.7%	//	55.0%
California	96.4%	//	///	95.1%	97.9%	/	98.5%	97.9%	//	96.4%	100.0%	98.0%
Colorado	98.7%	//	///	98.8%	98.9%	/	//	96.9%	//	98.9%	//	99.5%
Connecticut	99.5%	//	///	99.4%	100.0%	/	//	100.0%	///	100.0%	//	99.4%
Florida	84.0%	//	///	80.8%	89.7%	/	86.1%	86.3%	//	84.5%	//	86.4%
Georgia	96.0%	//	///	94.9%	97.2%	/	//	94.1%	//	95.2%	//	93.5%
Hawaii	48.8%	//	///	48.5%	65.4%	/	//	//	//	//	//	33.1%
Illinois	63.0%	//	///	58.6%	68.2%	/	//	62.2%	///	77.2%	//	62.6%
Iowa	90.5%	///	///	86.3%	92.0%	/	//	86.3%	///	97.0%	//	83.1%
Kansas	63.9%	//	///	63.0%	70.5%	/	//	62.6%	///	64.8%	//	69.9%
Kentucky	85.6%	//	///	79.8%	83.8%	/	//	85.3%	//	87.6%	//	89.6%
Maine	83.5%	///	///	87.9%	85.9%	/	//	//	///	//	///	///
Maryland	95.5%	//	///	94.4%	97.7%	/	//	97.7%	///	98.9%	//	98.2%
Massachusetts	99.1%	//	///	98.5%	99.1%	/	//	98.7%	//	96.7%	//	99.4%
Michigan	91.4%	///	///	87.4%	94.5%	/	//	88.8%	//	93.7%	//	91.9%
Minnesota	84.1%	//	///	83.7%	85.4%	/	//	85.9%	//	88.8%	//	87.5%
Missouri	98.5%	//	///	98.7%	99.2%	/	//	96.4%	//	97.4%	//	98.8%
Nebraska	99.4%	//	///	97.9%	96.1%	/	//	//	///	//	///	///
New Jersey	99.7%	//	///	99.0%	98.8%	/	//	89.8%	///	100.0%	//	99.7%
New York	99.1%	//	///	99.2%	99.4%	/	98.9%	98.7%	//	99.3%	//	99.7%
North Carolina	96.9%	//	///	95.3%	96.1%	/	//	95.1%	///	97.4%	//	94.3%
Oregon	90.7%	//	///	90.8%	94.2%	/	//	87.3%	///	95.8%	//	93.9%
Pennsylvania	97.7%	//	///	97.4%	97.1%	/	//	96.8%	//	97.7%	//	96.9%
Rhode Island	97.9%	///	///	94.3%	94.5%	/	//	//	///	//	///	///
South Carolina	97.5%	///	///	97.3%	98.5%	/	//	98.2%	///	97.6%	//	99.1%
Tennessee	95.4%	//	///	94.3%	97.1%	/	//	96.1%	//	94.0%	//	97.2%
Texas	76.5%	//	///	72.4%	76.6%	/	72.0%	77.4%	//	88.0%	//	83.0%
Utah	91.3%	///	///	92.2%	96.6%	/	//	//	//	//	//	95.2%
Vermont	98.4%	///	///	99.3%	//	/	///	//	///	//	//	///
Virginia	83.3%	//	///	78.0%	85.2%	/	//	87.6%	//	75.4%	//	87.0%
Washington	98.3%	//	///	97.9%	97.6%	/	//	96.7%	///	99.2%	//	95.1%
West Virginia	56.8%	//	///	55.9%	62.9%	/	//	//	///	//	//	50.0%
Wisconsin	98.9%	//	///	98.1%	99.3%	/	//	98.9%	///	96.3%	//	99.2%

* For the NIS and SID, estimates based on a sample size less than 70 discharges were suppressed. A sample of at least 70 discharges was required to assure with 95% confidence that the reported proportion has a relative error of less than 30 percent. For the NHDS, estimates based on a sample size less than 60 records were suppressed. If the sample size was at least 60 records, then the estimate was reported only if the relative standard error was less than 30 percent.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 4b: Percent of Injury Discharges with an Injury E Code by Modified Barell Matrix for the Spine and Back
2001 HCUP Inpatient Discharges**

/ - Not Applicable

// - Estimates based on a small sample size have been suppressed. *

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Spine and Back												
Total U.S. (NIS)	82.1% (79.78-84.34)	81.8% (77.75-85.94)	80.7% (77.67-83.71)	86.9% (83.86-89.97)	/	/	/	/	/	/	/	/
Total U.S. (NHDS)	58.2% (51.14-65.32)	//	//	//	/	/	/	/	/	/	/	/
Arizona	70.1%	69.9%	73.9%	74.2%	/	/	/	/	/	/	/	/
California	92.0%	91.9%	95.9%	93.8%	/	/	/	/	/	/	/	/
Colorado	99.3%	//	98.9%	//	/	/	/	/	/	/	/	/
Connecticut	99.7%	//	//	//	/	/	/	/	/	/	/	/
Florida	73.1%	73.4%	72.1%	79.7%	/	/	/	/	/	/	/	/
Georgia	93.5%	85.0%	93.9%	93.2%	/	/	/	/	/	/	/	/
Hawaii	49.8%	//	//	//	/	/	/	/	/	/	/	/
Illinois	49.3%	49.2%	39.9%	65.8%	/	/	/	/	/	/	/	/
Iowa	74.3%	//	70.2%	//	/	/	/	/	/	/	/	/
Kansas	51.5%	//	63.0%	//	/	/	/	/	/	/	/	/
Kentucky	73.0%	//	55.9%	//	/	/	/	/	/	/	/	/
Maine	77.8%	//	//	//	/	/	/	/	/	/	/	/
Maryland	94.0%	96.5%	97.9%	99.0%	/	/	/	/	/	/	/	/
Massachusetts	99.3%	100.0%	98.3%	95.4%	/	/	/	/	/	/	/	/
Michigan	81.6%	79.6%	77.0%	90.6%	/	/	/	/	/	/	/	/
Minnesota	80.1%	//	84.5%	//	/	/	/	/	/	/	/	/
Missouri	98.5%	100.0%	98.7%	98.2%	/	/	/	/	/	/	/	/
Nebraska	98.3%	//	//	//	/	/	/	/	/	/	/	/
New Jersey	99.2%	100.0%	100.0%	98.9%	/	/	/	/	/	/	/	/
New York	99.2%	99.0%	99.0%	99.5%	/	/	/	/	/	/	/	/
North Carolina	93.4%	//	95.9%	95.3%	/	/	/	/	/	/	/	/
Oregon	85.5%	//	79.7%	//	/	/	/	/	/	/	/	/
Pennsylvania	96.2%	96.3%	97.4%	95.5%	/	/	/	/	/	/	/	/
Rhode Island	93.7%	//	//	//	/	/	/	/	/	/	/	/
South Carolina	96.3%	//	98.0%	98.9%	/	/	/	/	/	/	/	/
Tennessee	94.1%	//	90.5%	97.7%	/	/	/	/	/	/	/	/
Texas	65.4%	59.9%	60.0%	76.8%	/	/	/	/	/	/	/	/
Utah	93.6%	//	//	//	/	/	/	/	/	/	/	/
Vermont	99.5%	//	//	//	/	/	/	/	/	/	/	/
Virginia	73.7%	73.2%	81.7%	73.5%	/	/	/	/	/	/	/	/
Washington	96.6%	//	95.7%	//	/	/	/	/	/	/	/	/
West Virginia	51.4%	//	39.5%	//	/	/	/	/	/	/	/	/
Wisconsin	98.9%	//	98.4%	98.7%	/	/	/	/	/	/	/	/

* For the NIS and SID, estimates based on a sample size less than 70 discharges were suppressed. A sample of at least 70 discharges was required to assure with 95% confidence that the reported proportion has a relative error of less than 30 percent. For the NHDS, estimates based on a sample size less than 60 records were suppressed. If the sample size was at least 60 records, then the estimate was reported only if the relative standard error was less than 30 percent.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 4c: Percent of Injury Discharges with an Injury E Code by Modified Barell Matrix for the Torso
2001 HCUP Inpatient Discharges**

/ - Not Applicable

// - Estimates based on a small sample size have been suppressed. *

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Torso												
Total U.S. (NIS)	85.2% (83.26-87.18)	79.6% (71.25-87.92)	75.7% (71.85-79.52)	86.4% (84.32-88.55)	89.7% (87.45-91.93)	/	84.0% (79.47-88.57)	86.8% (84.60-89.02)	//	84.7% (81.07-88.30)	//	88.9% (86.03-91.84)
Total U.S. (NHDS)	62.6% (56.34-68.96)	//	//	66.6% (60.06-73.17)	//	/	//	//	///	//	//	//
Arizona	81.5%	//	//	77.5%	69.9%	/	//	83.2%	//	84.4%	//	78.2%
California	91.6%	//	94.3%	95.7%	97.3%	/	94.7%	96.8%	//	94.8%	//	98.1%
Colorado	99.4%	//	//	98.8%	98.7%	/	//	98.7%	//	//	//	//
Connecticut	99.4%	//	//	98.8%	100.0%	/	//	98.2%	//	//	//	//
Florida	81.5%	//	60.2%	79.7%	89.3%	/	62.4%	81.1%	//	77.4%	//	88.3%
Georgia	95.9%	//	//	93.3%	96.4%	/	//	93.6%	//	92.7%	//	96.4%
Hawaii	55.7%	//	//	52.5%	//	/	//	//	///	//	//	//
Illinois	53.7%	//	34.3%	58.9%	76.0%	/	49.3%	58.0%	//	71.0%	//	57.0%
Iowa	76.7%	//	60.4%	84.6%	//	/	//	80.4%	//	//	//	//
Kansas	58.3%	//	42.7%	62.4%	63.8%	/	//	68.2%	//	56.4%	//	63.8%
Kentucky	77.7%	//	57.1%	83.5%	85.5%	/	//	79.1%	//	80.0%	///	86.2%
Maine	84.7%	///	//	85.4%	//	/	//	88.4%	//	//	///	//
Maryland	95.5%	//	94.7%	94.4%	97.9%	/	//	97.8%	//	92.9%	//	98.1%
Massachusetts	99.5%	//	97.4%	98.7%	99.6%	/	//	97.0%	//	93.6%	//	95.9%
Michigan	87.9%	//	73.4%	88.5%	89.9%	/	//	85.3%	//	89.3%	//	91.2%
Minnesota	86.0%	//	72.2%	81.4%	89.2%	/	//	84.5%	//	85.6%	///	//
Missouri	98.9%	//	99.3%	96.7%	97.3%	/	//	97.6%	//	95.1%	//	98.3%
Nebraska	96.3%	//	//	96.0%	//	/	//	92.7%	///	//	///	//
New Jersey	99.3%	//	100.0%	99.3%	100.0%	/	//	94.7%	//	97.7%	//	100.0%
New York	99.4%	//	99.1%	97.7%	99.1%	/	94.7%	99.3%	//	98.0%	//	99.5%
North Carolina	96.3%	//	93.9%	95.5%	97.6%	/	83.3%	96.2%	//	93.7%	//	97.5%
Oregon	89.7%	//	//	87.4%	90.9%	/	//	90.1%	//	//	//	//
Pennsylvania	96.1%	//	92.7%	96.6%	96.9%	/	92.0%	96.4%	//	95.9%	//	98.0%
Rhode Island	95.5%	///	//	95.5%	//	/	//	//	//	//	///	//
South Carolina	97.0%	//	//	95.9%	96.7%	/	//	95.8%	//	95.2%	//	//
Tennessee	96.7%	//	//	94.1%	92.8%	/	90.9%	95.8%	//	93.9%	//	95.3%
Texas	72.0%	//	53.2%	72.2%	66.6%	/	71.4%	73.9%	//	79.7%	//	72.8%
Utah	91.7%	//	//	91.4%	//	/	//	94.1%	//	77.5%	//	//
Vermont	99.5%	//	//	98.9%	//	/	//	//	//	//	///	//
Virginia	77.7%	//	63.3%	76.9%	82.5%	/	//	82.7%	//	68.2%	//	92.0%
Washington	96.7%	//	97.7%	97.3%	95.9%	/	//	96.8%	//	96.6%	//	//
West Virginia	51.1%	//	//	56.1%	//	/	//	54.1%	///	//	///	//
Wisconsin	98.6%	//	100.0%	97.9%	98.5%	/	//	97.5%	//	92.4%	//	98.6%

* For the NIS and SID, estimates based on a sample size less than 70 discharges were suppressed. A sample of at least 70 discharges was required to assure with 95% confidence that the reported proportion has a relative error of less than 30 percent. For the NHDS, estimates based on a sample size less than 60 records were suppressed. If the sample size was at least 60 records, then the estimate was reported only if the relative standard error was less than 30 percent.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 4d: Percent of Injury Discharges with an Injury E Code by Modified Barell Matrix for the Extremities
2001 HCUP Inpatient Discharges**

/ - Not Applicable

// - Estimates based on a small sample size have been suppressed. *

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Extremities												
Total U.S. (NIS)	85.0% (82.99-87.02)	78.0% (75.01-80.93)	74.6% (70.74-78.38)	/	87.6% (85.67-89.61)	88.8% (84.48-93.11)	88.0% (84.80-91.11)	82.4% (79.91-84.88)	90.8% (87.07-94.55)	89.9% (87.12-92.60)	90.4% (86.90-93.91)	86.6% (82.95-90.26)
Total U.S. (NHDS)	66.9% (64.81-68.90)	//	//	/	//	//	//	//	//	//	//	//
Arizona	83.0%	67.3%	62.6%	/	75.4%	72.0%	76.7%	81.1%	//	87.8%	//	69.2%
California	94.0%	94.9%	94.5%	/	96.5%	97.0%	96.2%	93.9%	97.7%	96.2%	96.9%	96.6%
Colorado	99.7%	97.2%	99.4%	/	99.5%	100.0%	//	98.8%	//	99.5%	//	//
Connecticut	99.8%	100.0%	99.8%	/	99.7%	100.0%	//	99.5%	//	98.9%	//	//
Florida	79.2%	65.3%	49.0%	/	83.3%	88.2%	80.4%	76.2%	90.5%	81.2%	87.2%	80.1%
Georgia	94.9%	87.7%	86.7%	/	92.6%	98.6%	94.9%	92.7%	95.7%	95.0%	//	//
Hawaii	62.6%	//	59.5%	/	65.8%	//	//	63.4%	//	//	//	//
Illinois	55.2%	41.3%	32.0%	/	63.1%	63.1%	78.5%	50.6%	66.7%	69.0%	67.3%	54.8%
Iowa	80.4%	70.8%	42.8%	/	81.4%	90.6%	//	78.3%	//	90.5%	//	//
Kansas	53.6%	47.8%	52.1%	/	59.7%	//	//	52.7%	//	66.0%	//	//
Kentucky	73.3%	63.0%	38.1%	/	73.0%	42.3%	//	73.6%	//	81.1%	//	//
Maine	88.1%	//	87.3%	/	86.7%	//	//	86.1%	//	//	//	//
Maryland	96.1%	92.1%	93.1%	/	98.0%	100.0%	98.6%	94.9%	//	97.3%	92.9%	//
Massachusetts	99.0%	96.4%	96.9%	/	99.5%	99.0%	//	96.9%	//	99.7%	//	100.0%
Michigan	85.2%	64.3%	44.0%	/	85.7%	94.0%	92.1%	80.8%	87.0%	90.3%	89.3%	78.6%
Minnesota	85.6%	78.5%	70.5%	/	87.8%	71.3%	//	81.1%	//	86.9%	//	//
Missouri	98.5%	98.4%	97.1%	/	98.4%	99.4%	95.3%	97.6%	//	99.0%	98.6%	97.9%
Nebraska	95.8%	//	94.7%	/	98.3%	//	//	94.4%	//	99.0%	//	//
New Jersey	99.7%	99.8%	99.7%	/	99.9%	100.0%	100.0%	87.5%	//	99.0%	//	100.0%
New York	98.6%	99.1%	99.4%	/	99.4%	99.0%	98.1%	99.3%	100.0%	99.6%	98.7%	99.4%
North Carolina	96.0%	92.3%	92.4%	/	96.8%	93.7%	96.4%	91.5%	//	94.8%	//	//
Oregon	88.7%	81.3%	51.2%	/	86.3%	96.4%	//	87.6%	//	86.4%	//	//
Pennsylvania	96.0%	95.0%	93.4%	/	96.6%	97.6%	95.9%	95.3%	97.0%	98.5%	95.5%	97.2%
Rhode Island	92.0%	//	81.0%	/	97.7%	//	//	87.5%	//	//	//	//
South Carolina	97.3%	97.5%	97.6%	/	98.2%	97.2%	//	93.5%	//	99.0%	//	//
Tennessee	96.0%	89.2%	80.2%	/	94.3%	98.3%	92.2%	95.0%	//	94.7%	//	//
Texas	69.4%	54.7%	33.5%	/	70.1%	78.1%	76.1%	68.5%	77.1%	81.0%	66.3%	73.0%
Utah	94.0%	86.3%	62.3%	/	93.2%	//	//	89.6%	//	86.0%	//	//
Vermont	98.9%	//	//	/	//	//	//	//	//	//	//	//
Virginia	76.0%	73.1%	58.8%	/	81.7%	79.9%	80.5%	77.9%	//	72.8%	//	//
Washington	97.6%	97.5%	92.9%	/	98.5%	98.6%	//	96.9%	//	97.2%	//	//
West Virginia	50.3%	43.0%	18.4%	/	45.2%	//	//	34.2%	//	19.6%	//	//
Wisconsin	98.7%	98.7%	98.9%	/	99.5%	99.2%	//	98.6%	//	99.3%	//	//

* For the NIS and SID, estimates based on a sample size less than 70 discharges were suppressed. A sample of at least 70 discharges was required to assure with 95% confidence that the reported proportion has a relative error of less than 30 percent. For the NHDS, estimates based on a sample size less than 60 records were suppressed. If the sample size was at least 60 records, then the estimate was reported only if the relative standard error was less than 30 percent.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 4e: Percent of Injury Discharges with an Injury E Code by Modified Barell Matrix for the Unclassified by Site
2001 HCUP Inpatient Discharges**

/ - Not Applicable

// - Estimates based on a small sample size have been suppressed. *

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Unclassified by Site												
Total U.S. (NIS)	//	//	74.9% (68.54-81.17)	//	//	/	//	82.5% (78.19-86.85)	//	84.4% (79.80-89.09)	86.2% (79.99-92.48)	87.9% (86.17-89.63)
Total U.S. (NHDS)	//	///	//	///	//	/	//	//	///	//	//	84.3% (81.55-87.01)
Arizona	///	///	//	//	//	/	//	78.1%	///	//	//	83.2%
California	//	//	94.2%	//	//	/	//	95.8%	//	92.1%	91.8%	97.5%
Colorado	///	///	//	//	//	/	//	//	///	//	//	98.1%
Connecticut	//	///	//	///	///	/	//	//	///	//	//	98.1%
Florida	//	///	//	//	//	/	//	86.8%	//	//	//	85.5%
Georgia	//	//	//	//	//	/	//	98.0%	//	//	//	92.4%
Hawaii	//	///	//	///	///	/	//	//	///	//	//	85.8%
Illinois	//	///	30.6%	//	//	/	//	48.2%	//	//	//	59.9%
Iowa	//	///	//	///	///	/	///	//	///	//	//	89.1%
Kansas	///	///	//	//	//	/	//	//	///	//	//	74.8%
Kentucky	//	///	//	//	//	/	//	78.9%	///	//	//	85.3%
Maine	//	///	//	///	///	/	///	//	///	//	//	89.6%
Maryland	//	///	//	//	//	/	//	//	//	//	//	94.4%
Massachusetts	//	//	//	//	//	/	//	//	///	//	//	97.3%
Michigan	//	///	//	//	//	/	//	//	///	//	//	89.6%
Minnesota	//	///	//	//	//	/	//	//	///	//	//	91.5%
Missouri	//	///	//	//	//	/	///	98.8%	//	//	//	98.0%
Nebraska	///	///	//	///	///	/	///	//	///	//	//	93.4%
New Jersey	//	///	//	//	//	/	///	84.0%	///	//	//	97.3%
New York	//	///	100.0%	//	//	/	//	98.9%	//	99.8%	//	98.6%
North Carolina	//	///	//	//	//	/	//	91.5%	///	90.4%	//	94.9%
Oregon	//	///	//	///	///	/	//	//	///	//	//	91.9%
Pennsylvania	//	//	91.4%	//	//	/	//	95.7%	///	96.1%	//	96.3%
Rhode Island	///	///	//	///	///	/	///	//	///	//	///	93.4%
South Carolina	///	///	//	///	//	/	//	//	///	//	//	96.7%
Tennessee	//	///	//	//	//	/	//	98.6%	///	//	//	94.1%
Texas	//	///	36.8%	//	//	/	//	81.5%	///	//	//	82.8%
Utah	///	///	//	///	///	/	//	//	///	//	//	92.6%
Vermont	//	///	//	//	///	/	///	//	///	//	//	97.5%
Virginia	//	//	//	//	//	/	//	//	//	//	//	84.8%
Washington	//	///	//	//	///	/	//	//	//	//	//	97.3%
West Virginia	//	///	//	//	//	/	//	//	///	//	//	66.5%
Wisconsin	//	///	//	///	///	/	//	98.7%	///	//	//	97.9%

* For the NIS and SID, estimates based on a sample size less than 70 discharges were suppressed. A sample of at least 70 discharges was required to assure with 95% confidence that the reported proportion has a relative error of less than 30 percent. For the NHDS, estimates based on a sample size less than 60 records were suppressed. If the sample size was at least 60 records, then the estimate was reported only if the relative standard error was less than 30 percent.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

Table 5: Injury Discharges Classified by Intent
2001 HCUP Inpatient Injury Discharges/Percents

	Number of injury-related visits	Percent of injury-related visits that are <i>Unintentional</i>	Percent of injury-related visits that are <i>Intentional</i>	Percent of injury-related visits with <i>Undetermined Intent</i>	Percent of injury-related visits with <i>Adverse Effects of Medical Treatment</i>	Percent of injury-related visits with <i>Blank Cause</i>
Total U.S. (NIS)	1,703,500 (1,619,703-1,787,296)	73.6% (72.05-75.10)	11.4% (10.75-12.06)	1.2% (1.03-1.27)	2.1% (1.91-2.34)	11.7% (10.13-13.35)
Total U.S. (NHDS)	1,813,594 (1,658,376-1,968,812)	58.0% (56.62-59.41)	9.2% (8.40-10.03)	0.9% (0.66-1.21)	3.0% (2.53-3.49)	28.8% (27.54-30.11)
Average across all States	42,102	75.2%	11.2%	1.2%	2.2%	10.2%
Minimum across all States	3,197	44.0%	7.6%	0.0%	0.9%	0.0%
Maximum across all States	186,021	85.9%	13.6%	2.1%	5.2%	45.7%
Arizona	34,954	64.2%	12.0%	0.8%	3.2%	19.9%
California	186,021	80.4%	13.1%	0.0%	2.1%	4.4%
Colorado	26,846	84.4%	11.7%	0.4%	3.3%	0.3%
Connecticut	17,927	84.7%	11.0%	0.7%	3.5%	0.2%
Florida	109,865	66.2%	11.4%	1.5%	1.9%	19.0%
Georgia	40,541	81.1%	11.7%	N/A	N/A	3.5%
Hawaii	6,204	57.5%	8.4%	0.9%	1.2%	32.0%
Illinois	73,451	47.9%	10.3%	1.0%	1.2%	39.5%
Iowa	20,408	70.3%	8.9%	1.0%	1.5%	18.3%
Kansas	16,851	63.0%	9.2%	1.1%	1.4%	25.4%
Kentucky	25,898	65.6%	9.8%	1.8%	0.9%	21.9%
Maine	8,614	81.1%	9.8%	1.0%	2.6%	5.5%
Maryland	31,972	78.8%	13.6%	1.5%	3.4%	2.7%
Massachusetts	38,835	83.6%	11.4%	1.4%	2.9%	0.7%
Michigan	56,086	69.5%	12.9%	0.9%	3.2%	13.6%
Minnesota	27,162	74.1%	11.2%	0.6%	2.9%	11.2%
Missouri	41,678	81.0%	12.6%	0.8%	4.9%	0.8%
Nebraska	8,907	85.9%	8.8%	0.8%	2.2%	2.3%
New Jersey	48,964	84.3%	12.2%	2.0%	1.0%	0.4%
New York	104,388	83.2%	13.3%	1.3%	2.2%	0.0%
North Carolina	43,674	81.4%	12.4%	2.0%	1.9%	2.3%
Oregon	21,076	74.5%	12.0%	1.0%	1.5%	11.1%
Pennsylvania	93,070	84.3%	11.2%	2.0%	1.4%	1.1%
Rhode Island	5,823	78.7%	12.3%	1.5%	1.8%	5.8%
South Carolina	24,024	83.3%	13.2%	N/A	N/A	1.4%
Tennessee	39,852	80.7%	11.7%	2.1%	1.7%	3.8%
Texas	110,086	60.1%	11.0%	1.3%	1.2%	26.4%
Utah	11,389	79.5%	11.1%	0.5%	2.0%	6.8%
Vermont	3,197	83.2%	10.0%	1.2%	5.2%	0.4%
Virginia	35,797	75.0%	11.5%	1.7%	1.4%	10.4%
Washington	28,764	85.9%	11.5%	1.0%	1.0%	0.5%
West Virginia	13,419	44.0%	7.6%	1.7%	1.0%	45.7%
Wisconsin	33,623	85.8%	11.0%	0.8%	2.3%	0.0%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

Table 6: Unintentional Injury Discharges Classified by Mechanism
2001 HCUP Inpatient Unintentional Injury Discharges/Percents

	Number of Unintentional injuries	Percent of unintentional injuries that are Falls	Percent of unintentional injuries that are Motor Vehicle Traffic	Percent of unintentional injuries that are Struck by/ against	Percent of unintentional injuries that are Cut/pierce	Percent of unintentional injuries that are Other Mechanism	Percent of unintentional injuries that are Mechanism Unspecified
Total U.S. (NIS)	1,253,329 (1,182,491-1,324,166)	52.4% (50.49-54.29)	18.2% (16.52-19.84)	3.0% (2.86-3.14)	1.6% (1.46-1.71)	21.8% (20.63-22.89)	3.1% (2.83-3.34)
Total U.S. (NHDS)	1,052,155 (958,611-1,145,699)	51.2% (49.30-53.01)	16.0% (14.65-17.38)	3.1% (2.44-3.73)	1.4% (0.97-1.85)	26.3% (24.71-27.98)	2.0% (1.47-2.51)
Average across all States	31,516	51.7%	18.8%	3.1%	1.5%	22.1%	2.8%
Minimum across all States	2,659	38.9%	13.4%	2.6%	0.9%	15.4%	0.5%
Maximum across all States	149,501	62.1%	25.5%	4.5%	2.4%	39.9%	6.5%
Arizona	22,436	47.3%	23.3%	2.8%	1.6%	22.8%	2.2%
California	149,501	49.1%	20.3%	3.3%	2.0%	22.3%	3.0%
Colorado	22,652	50.3%	20.4%	3.5%	1.3%	22.1%	2.4%
Connecticut	15,183	57.0%	18.0%	2.7%	1.3%	17.5%	3.5%
Florida	72,715	53.4%	21.1%	2.7%	1.8%	18.7%	2.3%
Georgia	32,892	45.0%	23.9%	3.1%	1.8%	22.4%	3.8%
Hawaii	3,567	44.7%	13.4%	4.4%	1.6%	34.6%	1.3%
Illinois	35,200	51.2%	17.4%	2.8%	1.6%	25.2%	1.8%
Iowa	14,339	60.5%	15.6%	3.0%	1.3%	18.0%	1.6%
Kansas	10,608	38.9%	16.5%	2.6%	0.9%	39.9%	1.2%
Kentucky	16,995	47.5%	24.4%	2.9%	1.2%	22.4%	1.6%
Maine	6,988	54.7%	14.4%	2.8%	1.1%	25.2%	1.9%
Maryland	25,187	45.8%	25.5%	3.3%	1.5%	19.6%	4.3%
Massachusetts	32,475	61.4%	14.4%	2.8%	1.4%	16.5%	3.5%
Michigan	38,954	52.4%	19.7%	3.2%	1.3%	21.4%	1.9%
Minnesota	20,124	54.7%	14.4%	3.2%	1.2%	23.5%	3.1%
Missouri	33,749	50.1%	20.5%	2.7%	1.6%	21.6%	3.5%
Nebraska	7,651	59.8%	14.7%	2.9%	1.2%	17.8%	3.6%
New Jersey	41,288	56.3%	17.2%	3.2%	1.8%	16.3%	5.2%
New York	86,816	54.0%	17.1%	2.9%	1.8%	20.5%	3.6%
North Carolina	35,556	48.8%	21.2%	2.7%	1.5%	20.1%	5.8%
Oregon	15,696	53.4%	17.6%	3.4%	1.8%	22.5%	1.3%
Pennsylvania	78,485	52.9%	18.1%	2.8%	1.2%	20.5%	4.3%
Rhode Island	4,580	62.1%	15.9%	3.1%	1.8%	15.4%	1.7%
South Carolina	20,020	44.1%	22.4%	2.8%	1.7%	22.5%	6.5%
Tennessee	32,168	47.9%	24.4%	2.7%	1.5%	20.2%	3.3%
Texas	66,138	46.7%	22.2%	3.7%	2.4%	22.9%	2.1%
Utah	9,058	48.7%	19.4%	4.5%	1.1%	24.6%	1.6%
Vermont	2,659	59.0%	14.2%	4.2%	1.1%	19.6%	2.0%
Virginia	26,855	45.5%	17.8%	3.0%	1.6%	29.8%	2.4%
Washington	24,712	55.6%	16.4%	3.0%	1.2%	21.0%	2.8%
West Virginia	5,907	49.3%	24.0%	3.8%	1.3%	21.0%	0.5%
Wisconsin	28,864	56.9%	15.0%	3.3%	1.1%	20.5%	3.1%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

Table 7: Intentional Injury Discharges Classified by Mechanism
2001 HCUP Inpatient Intentional Injury Discharges/Percents

	Number of Intentional injuries	Percent of intentional injuries that are Assault	Percent of intentional injuries that are Self-Inflicted	Percent of intentional injuries that are Other Causes of Violence
Total U.S. (NIS)	194,327 (178,849-209,805)	36.2% (32.40-40.06)	62.9% (59.09-66.79)	0.8% (0.26-1.40)
Total U.S. (NHDS)	167,139 (146,523-187,755)	41.0% (36.44-45.61)	58.0% (53.41-62.61)	*
Average across all States	5,724	33.9%	65.5%	0.6%
Minimum across all States	1,023	10.1%	39.5%	0.0%
Maximum across all States	24,303	60.1%	89.9%	3.4%
Arizona	4,188	43.0%	56.0%	1.0%
California	24,303	53.4%	45.6%	1.0%
Colorado	3,134	35.3%	63.9%	0.8%
Connecticut	1,968	35.0%	64.7%	0.3%
Florida	12,539	34.4%	65.1%	0.5%
Georgia	4,733	45.3%	54.0%	0.6%
Hawaii	519	28.7%	70.5%	0.8%
Illinois	7,592	45.1%	54.8%	0.2%
Iowa	1,822	19.3%	80.4%	0.3%
Kansas	1,552	27.7%	72.1%	0.2%
Kentucky	2,546	27.4%	72.0%	0.6%
Maine	841	10.1%	89.9%	0.0%
Maryland	4,338	60.1%	39.5%	0.4%
Massachusetts	4,424	33.0%	66.9%	0.2%
Michigan	7,247	41.6%	57.8%	0.6%
Minnesota	3,035	30.1%	69.2%	0.6%
Missouri	5,249	35.8%	63.6%	0.6%
Nebraska	787	22.0%	78.0%	0.0%
New Jersey	5,976	45.0%	54.1%	0.9%
New York	13,905	54.9%	44.7%	0.4%
North Carolina	5,432	37.6%	62.1%	0.3%
Oregon	2,528	23.5%	75.8%	0.8%
Pennsylvania	10,414	40.4%	59.3%	0.3%
Rhode Island	717	33.1%	66.8%	0.1%
South Carolina	3,172	38.9%	60.8%	0.4%
Tennessee	4,660	36.6%	62.6%	0.9%
Texas	12,096	36.3%	63.2%	0.6%
Utah	1,265	23.6%	76.0%	0.5%
Vermont	319	12.5%	87.5%	0.0%
Virginia	4,126	32.6%	64.0%	3.4%
Washington	3,319	32.4%	67.1%	0.5%
West Virginia	1,023	16.9%	82.9%	0.2%
Wisconsin	3,689	28.2%	71.6%	0.2%

* For the NIS and SID, estimates based on a sample size less than 70 discharges were suppressed. A sample of at least 70 discharges was required to assure with 95% confidence that the reported proportion has a relative error of less than 30 percent. For the NHDS, estimates based on a sample size less than 60 records were suppressed. If the sample size was at least 60 records, then the estimate was reported only if the relative standard error was less than 30 percent.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 8: Number of Diagnoses and E Codes Reported by State
2001 HCUP Inpatient Discharges**

State	Diagnosis Fields		Percent of Injury Discharges with Injury E codes
	Maximum Number of Diagnoses Coded	Number of Separate "Cause of Injury" E Code Fields Provided to HCUP	
Arizona	11	2	79.1%
California	30	5	95.0%
Colorado	15	0	99.1%
Connecticut	30	0	99.4%
Florida	10	0	80.1%
Georgia	10	0	94.2%
Hawaii	11	1	60.4%
Illinois	9	0	56.5%
Iowa	11	1	80.7%
Kansas	30	0	59.8%
Kentucky	10	1	76.4%
Maine	10	0	87.0%
Maryland	16	1	95.7%
Massachusetts	16	1	98.6%
Michigan	30	0	85.5%
Minnesota	10	1	85.0%
Missouri	30	0	98.3%
Nebraska	10	1	95.9%
New Jersey	10	1	98.9%
New York	17	1	98.8%
North Carolina	17	0	95.5%
Oregon	11	2	87.9%
Pennsylvania	10	1	96.3%
Rhode Island	12	1	92.8%
South Carolina	12	1	97.1%
Tennessee	10	1	94.9%
Texas	10	1	71.8%
Utah	10	1	92.3%
Vermont	21	1	98.8%
Virginia	10	1	78.1%
Washington	10	1	97.3%
West Virginia	10	1	52.6%
Wisconsin	10	1	98.5%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Inpatient Databases (SID), and not all States participate in HCUP.

Table 9: States with and without Mandates/Regulations for the Submission of E Codes on Injury Records
2001 HCUP Inpatient Discharges

States	Percent of Inpatient Injury Discharges with Injury E codes	States with Mandates/Regulations	States that enforce their Mandates/Regulations
Arizona	79.1%	Yes	No
California	95.0%	Yes	Yes
Colorado	99.1%	No	--
Connecticut	99.4%	Yes	No
Florida	80.1%	Yes	No
Georgia	94.2%	Yes	No
Hawaii	60.4%	No	--
Illinois	56.5%	N/A	N/A
Iowa	80.7%	No	--
Kansas	59.8%	No	--
Kentucky	76.4%	Yes	No
Maine	87.0%	No	--
Maryland	95.7%	Yes	No
Massachusetts	98.6%	Yes	No
Michigan	85.5%	No	--
Minnesota	85.0%	No	--
Missouri	98.3%	Yes	Yes
Nebraska	95.9%	Yes	No
New Jersey	98.9%	Yes	No
New York	98.8%	Yes	Yes
North Carolina	95.5%	No	--
Oregon	87.9%	No	--
Pennsylvania	96.3%	Yes	Yes
Rhode Island	92.8%	Yes	No
South Carolina	97.1%	Yes	Yes
Tennessee	94.9%	Yes	Yes
Texas	71.8%	Yes	No
Utah	92.3%	Yes	No
Vermont	98.8%	Yes	No
Virginia	78.1%	Yes	No
Washington	97.3%	Yes	Yes
West Virginia	52.6%	No	--
Wisconsin	98.5%	Yes	Yes

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Inpatient Databases (SID), and not all States participate in HCUP.

Table 10: States without Mandates/Regulations for the Submission of E Codes on Injury Records that Encourage E Code Submission
2001 HCUP Inpatient Discharges

State	Percent of Injury Discharges with Injury E codes	States without mandates that have policies that encourage the submission of E codes
Colorado	99.1%	Yes
Hawaii	60.4%	Yes
Iowa	80.7%	No
Kansas	59.8%	Yes
Maine	87.0%	No
Michigan	85.5%	Yes
Minnesota	85.0%	Yes
North Carolina	95.5%	No
Oregon	87.9%	No
West Virginia	52.6%	No

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Inpatient Databases (SID), and not all States participate in HCUP.

Table 11: States that do and do not Edit Check or Verify E Codes
2001 HCUP Inpatient Discharges

States	Percent of Injury Discharges with Injury E codes	States that Edit Check or verify E Codes
Arizona	79.1%	Yes
California	95.0%	Yes
Colorado	99.1%	Yes
Connecticut	99.4%	No
Florida	80.1%	Yes
Georgia	94.2%	Yes
Hawaii	60.4%	Yes
Illinois	56.5%	N/A
Iowa	80.7%	Yes
Kansas	59.8%	Yes
Kentucky	76.4%	Yes
Maine	87.0%	Yes
Maryland	95.7%	Yes
Massachusetts	98.6%	Yes
Michigan	85.5%	Yes
Minnesota	85.0%	No
Missouri	98.3%	Yes
Nebraska	95.9%	Yes
New Jersey	98.9%	Yes
New York	98.8%	Yes
North Carolina	95.5%	No
Oregon	87.9%	No
Pennsylvania	96.3%	Yes
Rhode Island	92.8%	Yes
South Carolina	97.1%	Yes
Tennessee	94.9%	Yes
Texas	71.8%	Yes
Utah	92.3%	No
Vermont	98.8%	Yes
Virginia	78.1%	Yes
Washington	97.3%	Yes
West Virginia	52.6%	No
Wisconsin	98.5%	Yes

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 12: Percent of Records with Injury Diagnoses
2001 HCUP Emergency Department Records**

	Percent of All Discharges with Injury Diagnoses	
	Based on Principal Diagnosis	Based on Secondary Diagnoses
Summary		
Average across all States	30.7%	8.1%
Minimum across all States	26.4%	6.4%
Maximum across all States	34.8%	11.0%
Connecticut	31.3%	7.2%
Maine	30.5%	6.4%
Maryland	30.8%	8.4%
Minnesota	33.8%	10.4%
Missouri	30.1%	7.4%
Nebraska	31.0%	6.9%
South Carolina	26.4%	7.3%
Tennessee	27.9%	7.7%
Utah	34.8%	11.0%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 13: Percent of Injury Records with an Injury E Code
2001 HCUP Emergency Department and Inpatient Records**

Summary	Percent of <i>SEDD</i> Injury Records with an Injury E Code	Percent of <i>SID</i> Injury Discharges with an Injury E Code
Average across all States	92.5%	94.0%
Minimum across all States	71.9%	85.0%
Maximum across all States	99.4%	99.4%
Connecticut	99.4%	99.4%
Maine	80.1%	87.0%
Maryland	94.9%	95.7%
Minnesota	71.9%	85.0%
Missouri	98.2%	98.3%
Nebraska	97.7%	95.9%
South Carolina	97.6%	97.1%
Tennessee	97.3%	94.9%
Utah	95.7%	92.3%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Emergency Department Databases (SEDD) and State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 14: Percent of Injury Records with an Injury E Code by Body Region using a Modified Barell Matrix
2001 HCUP Emergency Department Records**

	Percent of Injury Discharges with an E Code in the Secondary Diagnoses	Percent of Head and Neck Injury Discharges with an E Code	Percent of Spine and Back Injury Discharges with an E Code	Percent of Torso Injury Discharges with an E Code	Percent of Extremities Injury Discharges with an E Code	Percent of Unclassified by Site Injury Discharges with an E Code
Connecticut	99.4%	99.1%	99.8%	99.5%	99.7%	97.2%
Maine	80.1%	80.0%	79.0%	77.0%	81.4%	74.2%
Maryland	94.9%	93.2%	96.6%	94.6%	96.0%	89.5%
Minnesota	71.9%	83.2%	66.4%	73.2%	68.7%	68.9%
Missouri	98.2%	98.2%	98.6%	97.5%	98.4%	96.2%
Nebraska	97.7%	97.5%	98.6%	97.2%	98.1%	94.4%
South Carolina	97.6%	97.2%	98.2%	97.9%	97.9%	96.3%
Tennessee	97.3%	97.5%	95.6%	96.3%	98.1%	94.4%
Utah	95.7%	95.9%	95.2%	94.8%	96.1%	94.3%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 15a: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for the Head and Neck
2001 HCUP Emergency Department Records**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Head and Neck												
Connecticut	98.7%	98.3%	//	99.0%	99.4%	/	//	98.7%	//	99.1%	//	99.3%
Maine	82.3%	//	//	86.1%	80.9%	/	//	79.2%	///	74.5%	//	74.4%
Maryland	94.1%	86.5%	//	91.7%	94.8%	/	//	92.2%	//	81.5%	//	91.8%
Minnesota	58.9%	41.9%	//	77.9%	88.2%	/	//	83.3%	//	73.4%	//	79.7%
Missouri	97.8%	91.3%	//	97.7%	98.6%	/	//	97.6%	//	97.9%	//	98.5%
Nebraska	98.6%	//	//	98.0%	97.8%	/	//	96.8%	///	99.2%	//	97.0%
South Carolina	96.4%	98.0%	//	97.9%	97.4%	/	//	96.9%	//	98.4%	//	97.8%
Tennessee	96.9%	82.3%	90.4%	97.3%	98.2%	/	//	96.7%	//	98.6%	//	97.5%
Utah	96.4%	//	//	97.7%	95.8%	/	//	95.0%	//	94.6%	//	96.8%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 15b: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for the Spine and Back
2001 HCUP Emergency Department Records**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Spine and Back												
Connecticut	99.4%	//	99.8%	//	/	/	/	/	/	/	/	/
Maine	71.2%	//	79.4%	//	/	/	/	/	/	/	/	/
Maryland	93.4%	//	96.7%	//	/	/	/	/	/	/	/	/
Minnesota	35.3%	27.9%	70.3%	42.5%	/	/	/	/	/	/	/	/
Missouri	98.1%	99.0%	98.6%	//	/	/	/	/	/	/	/	/
Nebraska	99.5%	//	98.6%	//	/	/	/	/	/	/	/	/
South Carolina	98.0%	//	98.2%	//	/	/	/	/	/	/	/	/
Tennessee	95.9%	96.3%	95.6%	98.7%	/	/	/	/	/	/	/	/
Utah	96.0%	//	95.1%	//	/	/	/	/	/	/	/	/

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 15c: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for the Torso
2001 HCUP Emergency Department Records**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/ Superficial	Crush	Burns	Nerves	Unspecified
Torso												
Connecticut	99.5%	//	99.9%	96.5%	98.4%	/	//	99.4%	//	99.6%	//	99.4%
Maine	75.2%	//	69.0%	79.2%	78.2%	/	//	81.7%	//	70.5%	//	73.0%
Maryland	95.2%	//	93.0%	88.5%	91.8%	/	//	95.9%	//	94.4%	//	94.2%
Minnesota	62.7%	61.4%	64.7%	59.0%	59.0%	/	//	87.2%	//	60.1%	//	61.3%
Missouri	98.1%	97.7%	96.8%	95.3%	96.8%	/	//	97.6%	//	97.2%	//	98.3%
Nebraska	98.0%	//	98.0%	96.6%	96.7%	/	//	96.5%	//	98.4%	//	98.7%
South Carolina	97.8%	//	98.3%	97.3%	98.3%	/	//	97.6%	//	98.0%	///	98.0%
Tennessee	97.0%	94.3%	94.3%	93.1%	96.6%	/	//	97.2%	//	97.6%	//	97.2%
Utah	95.8%	//	91.8%	89.9%	90.7%	/	//	96.4%	//	91.8%	//	94.7%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 15d: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for the Extremities
2001 HCUP Emergency Department Records**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/ Superficial	Crush	Burns	Nerves	Unspecified
Extremities												
Connecticut	99.7%	99.1%	99.7%	/	99.8%	99.8%	//	99.5%	99.7%	99.7%	98.1%	99.8%
Maine	82.8%	80.5%	81.6%	/	81.3%	77.2%	//	81.7%	82.5%	72.7%	62.8%	78.0%
Maryland	95.9%	95.0%	96.3%	/	96.5%	96.5%	//	95.9%	96.9%	94.8%	78.2%	91.9%
Minnesota	57.9%	41.9%	64.4%	/	86.1%	57.9%	57.1%	85.5%	72.6%	62.9%	26.9%	56.7%
Missouri	98.6%	98.1%	98.3%	/	98.5%	98.4%	//	98.3%	98.1%	98.4%	95.4%	98.7%
Nebraska	98.3%	97.8%	98.2%	/	98.3%	99.1%	//	97.6%	99.0%	99.0%	//	98.6%
South Carolina	97.8%	97.6%	98.2%	/	97.6%	96.4%	//	98.1%	90.7%	97.9%	96.4%	98.4%
Tennessee	98.4%	96.6%	97.7%	/	98.8%	98.9%	87.8%	97.9%	98.7%	98.0%	92.5%	96.3%
Utah	97.6%	97.1%	97.2%	/	94.3%	96.8%	//	96.8%	95.1%	90.2%	//	95.2%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 15e: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for Unclassified by Site
2001 HCUP Emergency Department Records**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/ Superficial	Crush	Burns	Nerves	Unspecified
Unclassified by Site												
Connecticut	//	//	99.8%	//	100.0%	/	//	98.0%	//	95.7%	//	96.5%
Maine	//	//	69.8%	//	61.0%	/	//	74.7%	//	//	//	75.0%
Maryland	//	//	93.4%	//	87.6%	/	//	91.3%	//	94.4%	74.2%	87.9%
Minnesota	13.5%	//	72.5%	//	10.6%	/	///	73.0%	//	6.6%	38.4%	75.9%
Missouri	//	//	96.4%	//	93.9%	/	//	96.7%	//	98.1%	//	96.0%
Nebraska	//	//	95.7%	//	//	/	//	97.4%	//	//	//	93.7%
South Carolina	//	//	98.3%	//	96.0%	/	//	94.7%	//	98.3%	//	96.1%
Tennessee	//	//	93.2%	//	95.9%	/	//	96.3%	//	95.8%	85.5%	94.0%
Utah	//	//	91.5%	//	60.3%	/	///	93.8%	//	//	//	94.7%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

Table 16: Injury Records Classified by Intent
2001 HCUP Emergency Department Records/Percents

	Number of injury-related visits	Percent of injury-related visits that are <i>Unintentional</i>	Percent of injury-related visits that are <i>Intentional</i>	Percent of injury-related visits with <i>Undetermined Intent</i>	Percent of injury-related visits with <i>Adverse Effects of Medical Treatment</i>	Percent of injury-related visits with <i>Blank Cause</i>
NEISS-AIP (All Cases)	29,729,475 (27,717,883-31,741,067)	92.7%	7.3%	*	*	*
NEISS-AIP (Treated & Released)	27,998,559 (25,942,382 - 30,054,737)	93.3%	6.7%	*	*	*
NHAMCS	39,389,000 (36,482,300 - 42,295,700)	71.9%	4.7%	0.5%	3.7%	19.2%
Average across all States	367,508	90.3%	4.1%	0.3%	0.1%	5.2%
Minimum across all States	104,914	72.0%	2.5%	0.1%	0.1%	0.2%
Maximum across all States	611,976	95.5%	5.6%	0.7%	0.2%	24.3%
Connecticut	356,835	95.5%	3.9%	0.3%	0.1%	0.2%
Maine	174,915	88.7%	2.5%	0.2%	0.1%	8.6%
Maryland	482,871	90.0%	4.7%	0.4%	0.2%	4.8%
Minnesota	399,617	72.0%	3.4%	0.2%	0.1%	24.3%
Missouri	584,773	94.2%	4.4%	0.2%	0.1%	1.1%
Nebraska	104,914	94.6%	3.7%	0.5%	0.2%	1.1%
South Carolina	384,576	93.9%	5.6%	N/A	N/A	0.2%
Tennessee	611,976	92.1%	4.8%	0.7%	0.1%	2.3%
Utah	207,099	92.1%	3.9%	0.1%	0.1%	3.8%

* This type of injury did not occur in the database.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the U.S. are from two sources, the National Electronic Injury Surveillance System-All Injury Program (NEISS-AIP) and the National Hospital Ambulatory Medical Care Survey (NHAMCS) from the National Center for Health Statistics. State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

Table 17: Unintentional Injury Records Classified by Mechanism
2001 HCUP Emergency Department Records/Percents

	Number of Unintentional injuries	Percent of unintentional injuries that are Falls	Percent of unintentional injuries that are Motor Vehicle Traffic	Percent of unintentional injuries that are Struck by/ against	Percent of unintentional injuries that are Cut/pierce	Percent of unintentional injuries that are Other Mechanism	Percent of unintentional injuries that are Mechanism Unspecified
NEISS-AIP (All Cases)	27,566,102 (25,819,075-29,313,129)	28.4%	16.7%	10.7%	9.0%	32.1%	3.0%
NEISS-AIP (Treated & Released)	26,130,435 (24,348,219-27,912,652)	27.6%	17.4%	10.7%	9.3%	31.9%	3.0%
NHAMCS	28,342,000 (26,140,900-30,543,100)	27.4%	15.5%	15.4%	10.5%	27.9%	3.3%
Average across all States	331,512	26.3%	12.1%	15.7%	10.7%	30.5%	4.7%
Minimum across all States	99,235	23.2%	7.3%	13.6%	9.4%	26.1%	2.2%
Maximum across all States	563,736	29.8%	16.9%	17.2%	11.9%	40.8%	6.7%
Connecticut	340,604	26.7%	12.5%	15.2%	11.2%	28.8%	5.7%
Maine	155,070	23.7%	7.3%	14.7%	10.7%	40.8%	2.7%
Maryland	434,617	25.1%	16.2%	16.0%	10.7%	26.1%	5.9%
Minnesota	287,750	25.9%	8.8%	16.9%	11.9%	32.6%	3.9%
Missouri	550,615	26.5%	11.9%	16.4%	10.6%	29.0%	5.5%
Nebraska	99,235	29.8%	10.3%	17.2%	11.0%	27.9%	3.8%
South Carolina	361,202	23.2%	16.9%	13.6%	9.4%	30.2%	6.7%
Tennessee	563,736	27.6%	12.5%	14.5%	9.7%	29.4%	6.2%
Utah	190,778	28.3%	12.1%	16.6%	10.8%	29.9%	2.2%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the U.S. are from two sources, the National Electronic Injury Surveillance System-All Injury Program (NEISS-AIP) and the National Hospital Ambulatory Medical Care Survey (NHAMCS) from the National Center for Health Statistics. State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 18: Intentional Injury Records Classified by Mechanism
2001 HCUP Emergency Department Records/Percents**

	Number of Intentional injuries	Percent of intentional injuries that are <i>Assault</i>	Percent of intentional injuries that are <i>Self-Inflicted</i>	Percent of intentional injuries that are <i>Other Causes of Violence</i>
NEISS-AIP (All Cases)	2,163,373 (1,676,700-2,650,046)	82.1%	14.9%	2.9%
NEISS-AIP (Treated & Released)	1,868,124 (1,384,381-2,351,868)	89.6%	7.2%	3.3%
NHAMCS	1,837,000 (1,592,000-2,082,000)	75.5%	21.8%	*
Average across all States	15,942	79.9%	17.6%	2.5%
Minimum across all States	3,879	64.3%	7.3%	1.8%
Maximum across all States	29,388	89.4%	33.9%	4.0%
Connecticut	14,090	83.5%	12.5%	4.0%
Maine	4,416	71.4%	26.3%	2.3%
Maryland	22,556	89.4%	7.3%	3.2%
Minnesota	13,586	79.8%	17.8%	2.5%
Missouri	25,962	84.7%	12.4%	2.9%
Nebraska	3,879	80.3%	17.7%	2.0%
South Carolina	21,571	85.4%	12.7%	1.9%
Tennessee	29,388	80.2%	17.6%	2.2%
Utah	8,028	64.3%	33.9%	1.8%

* For the SEDD, estimates based on a sample size less than 70 discharges were suppressed. For the NHAMCS, estimates that did not meet standard of reliability or precision were suppressed.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the U.S. are from two sources, the National Electronic Injury Surveillance System-All Injury Program (NEISS-AIP) and the National Hospital Ambulatory Medical Care Survey (NHAMCS) from the National Center for Health Statistics. State estimates are from the HCUP State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 19: Number of Diagnoses and E Codes Reported by State
2001 HCUP Emergency Department Records**

State	Diagnosis Fields		Percent of Injury Discharges with Injury E codes
	Maximum Number of Diagnoses Coded	Number of Separate "Cause of Injury" E Code Fields Provided to HCUP	
Connecticut	15	0	99.4%
Maine	10	1	80.1%
Maryland	16	1	94.9%
Minnesota	10	1	71.9%
Missouri	17	0	98.2%
Nebraska	10	1	97.7%
South Carolina	12	1	97.6%
Tennessee	10	1	97.3%
Utah	10	1	95.7%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 20: States with and without Mandates/Regulations for the Submission of E Codes on Injury Records
2001 HCUP Emergency Department Records**

States	Percent of Injury Discharges with Injury E codes	States with Mandates/Regulations	States that enforce their Mandates/Regulations
Connecticut	99.4%	Yes	No
Maine	80.1%	No	--
Maryland	94.9%	Yes	No
Minnesota	71.9%	No	--
Missouri	98.2%	Yes	Yes
Nebraska	97.7%	Yes	No
South Carolina	97.6%	Yes	Yes
Tennessee	97.3%	Yes	Yes
Utah	95.7%	Yes	No

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Emergency Department Databases (SEDD), and not all States participate in HCUP.

Table 21: States that do and do not Edit Check or Verify E Codes
2001 HCUP Emergency Department Records

States	Percent of Injury Discharges with Injury E codes	States that Edit Check or verify E Codes
Connecticut	99.4%	No
Maine	80.1%	Yes
Maryland	94.9%	Yes
Minnesota	71.9%	No
Missouri	98.2%	Yes
Nebraska	97.7%	Yes
South Carolina	97.6%	Yes
Tennessee	97.3%	Yes
Utah	95.7%	No

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 22: Percent of Records with Injury Diagnoses
2001 HCUP Ambulatory Surgery Records**

Summary	Percent of All Discharges with Injury Diagnoses	
	Based on Principal Diagnosis	Based on Secondary Diagnoses
Hospital-based Facilities		
Mean across all States	8.8%	2.5%
Minimum across all States	2.8%	1.0%
Maximum across all States	20.1%	5.6%
Colorado	20.1%	5.6%
Connecticut	4.1%	1.2%
Florida	5.5%	2.0%
Kentucky	8.7%	2.5%
Maine	2.8%	1.0%
Maryland	4.2%	1.5%
Minnesota	18.7%	4.7%
Missouri	4.4%	1.7%
Nebraska	17.1%	3.6%
New Jersey	4.6%	1.5%
New York	3.7%	1.2%
North Carolina	10.9%	3.2%
Pennsylvania	11.1%	2.8%
South Carolina	3.4%	1.4%
Tennessee	19.4%	5.1%
Utah	5.4%	2.3%
Vermont	10.3%	2.5%
Wisconsin	3.7%	1.4%
Freestanding Facilities		
Mean across all States	3.8%	1.1%
Minimum across all States	2.2%	0.7%
Maximum across all States	6.0%	1.7%
Florida	2.2%	0.8%
Kentucky	4.7%	1.5%
Missouri	3.6%	0.9%
New York	6.0%	1.5%
North Carolina	2.8%	0.7%
Pennsylvania	4.5%	1.1%
South Carolina	3.4%	1.2%
Utah	4.0%	1.7%
Wisconsin	2.7%	0.8%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 23: Percent of Injury Discharges with an Injury E Code
2001 HCUP Ambulatory Surgery Records**

	Percent of hospital-based SASD Injury Records with an E Code in the Secondary Diagnoses	Percent of freestanding SASD Injury Records with an E Code in the Secondary Diagnoses	Percent of SID Injury Discharges with an E Code in the Secondary Diagnoses
Summary			
Average across all States	80.1%	28.2%	93.8%
Minimum across all States	8.2%	0.7%	76.4%
Maximum across all States	99.5%	96.0%	99.4%
Colorado	95.3%	*	99.1%
Connecticut	96.4%	*	99.4%
Florida	39.2%	0.7%	80.1%
Kentucky	53.1%	2.8%	76.4%
Maine	23.0%	*	87.0%
Maryland	89.2%	*	95.7%
Minnesota	79.6%	*	85.0%
Missouri	98.1%	50.9%	98.3%
Nebraska	97.6%	*	95.9%
New Jersey	99.0%	*	98.9%
New York	8.2%	2.1%	98.8%
North Carolina	96.7%	20.1%	95.5%
Pennsylvania	97.1%	53.4%	96.3%
South Carolina	96.0%	15.0%	97.1%
Tennessee	95.6%	*	94.9%
Utah	78.8%	12.4%	92.3%
Vermont	98.7%	*	98.8%
Wisconsin	99.5%	96.0%	98.5%

* Data from freestanding facilities were not available from these states

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Ambulatory Surgery Databases (SASD) and State Inpatient Databases (SID), not all States participate in HCUP.

**Table 24: Percent of Injury Discharges with an Injury E Code by Body Region using a Modified Barel Matrix
2001 HCUP Ambulatory Surgery Records**

	Percent of Injury Discharges with an E Code in the Secondary Diagnoses	Percent of Head and Neck Injury Discharges with an E Code	Percent of Spine and Back Injury Discharges with an E Code	Percent of Torso Injury Discharges with an E Code	Percent of Extremities Injury Discharges with an E Code	Percent of Unclassified by Site Injury Discharges with an E Code
Hospital-based Facilities:						
Colorado	95.3%	98.9%	85.0%	77.8%	94.1%	85.7%
Connecticut	96.4%	97.0%	*	87.5%	97.0%	84.9%
Florida	39.2%	63.8%	17.9%	31.9%	36.6%	40.6%
Kentucky	53.1%	68.2%	24.4%	58.9%	47.3%	43.8%
Maine	23.0%	34.5%	14.9%	22.8%	22.6%	26.9%
Maryland	89.2%	85.8%	76.3%	67.4%	90.4%	82.3%
Minnesota	79.6%	91.2%	63.4%	78.6%	77.1%	58.5%
Missouri	98.1%	97.8%	96.2%	89.3%	98.3%	96.7%
Nebraska	97.6%	97.9%	97.8%	94.0%	97.7%	92.5%
New Jersey	99.0%	99.3%	*	94.6%	99.2%	93.8%
New York	8.2%	11.9%	1.8%	5.6%	7.9%	8.7%
North Carolina	96.7%	97.9%	81.0%	95.2%	96.5%	92.4%
Pennsylvania	97.1%	98.5%	92.9%	95.7%	96.8%	90.0%
South Carolina	96.0%	94.6%	96.9%	93.7%	96.8%	88.1%
Tennessee	95.6%	97.5%	85.1%	91.6%	95.1%	85.6%
Utah	78.8%	80.1%	54.3%	*	79.0%	77.2%
Vermont	98.7%	98.9%	*	*	99.0%	93.2%
Wisconsin	99.5%	99.1%	100.0%	99.0%	99.6%	98.4%
Freestanding Facilities:						
Florida	0.7%	2.3%	0.0%	0.6%	0.6%	2.3%
Kentucky	2.8%	*	*	*	2.0%	*
Missouri	50.9%	54.0%	*	*	51.6%	25.0%
New York	2.1%	3.8%	*	*	2.1%	1.6%
North Carolina	20.1%	26.3%	*	*	20.0%	10.7%
Pennsylvania	53.4%	62.0%	*	*	53.2%	42.8%
South Carolina	15.0%	11.2%	*	*	16.0%	6.3%
Utah	12.4%	35.3%	*	*	10.5%	3.4%
Wisconsin	96.0%	96.1%	*	*	95.9%	99.1%

* Estimates based on a sample size of less than 70 are not displayed.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 25a: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for the Head and Neck
2001 Ambulatory Surgery Records from Hospital-based Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Head and Neck												
Colorado	96.2%	///	///	99.8%	99.2%	/	//	96.2%	///	///	///	99.0%
Connecticut	96.2%	///	///	///	97.9%	/	//	///	///	///	///	///
Florida	43.8%	///	///	54.2%	71.8%	/	//	63.9%	///	46.2%	///	55.6%
Kentucky	43.2%	///	///	87.4%	69.7%	/	//	73.7%	///	///	///	76.0%
Maine	45.0%	///	///	26.9%	49.3%	/	//	49.7%	///	///	///	18.8%
Maryland	93.3%	///	///	///	80.1%	/	//	///	///	///	///	///
Minnesota	59.6%	///	///	90.3%	93.0%	/	//	86.2%	///	69.8%	///	92.2%
Missouri	97.7%	///	///	///	98.2%	/	//	///	///	///	///	///
Nebraska	99.6%	///	///	97.2%	97.8%	/	///	96.7%	///	///	///	97.0%
New Jersey	99.8%	///	///	///	99.2%	/	///	///	///	///	///	///
New York	12.0%	///	///	///	12.3%	/	///	10.3%	///	///	///	///
North Carolina	93.2%	///	///	97.8%	98.3%	/	///	96.6%	///	///	///	98.9%
Pennsylvania	95.4%	91.6%	///	98.1%	98.9%	/	///	95.3%	///	94.5%	///	97.4%
South Carolina	94.0%	///	///	///	96.1%	/	///	///	///	///	///	///
Tennessee	91.2%	84.3%	///	98.0%	97.9%	/	///	96.4%	///	99.0%	///	96.3%
Utah	81.3%	///	///	///	79.9%	/	///	///	///	///	///	///
Vermont	100.0%	///	///	///	98.9%	/	///	///	///	///	///	///
Wisconsin	99.3%	///	///	///	98.6%	/	///	///	///	///	///	///

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 25b: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for the Spine and Back
2001 Ambulatory Surgery Records from Hospital-based Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Spine and Back												
Colorado	79.5%	//	90.5%	//	/	/	/	/	/	/	/	/
Connecticut	//	///	//	//	/	/	/	/	/	/	/	/
Florida	11.1%	//	35.1%	//	/	/	/	/	/	/	/	/
Kentucky	15.9%	//	38.5%	//	/	/	/	/	/	/	/	/
Maine	11.8%	7.3%	15.7%	4.1%	/	/	/	/	/	/	/	/
Maryland	73.8%	//	//	//	/	/	/	/	/	/	/	/
Minnesota	44.4%	//	77.5%	//	/	/	/	/	/	/	/	/
Missouri	97.2%	//	//	//	/	/	/	/	/	/	/	/
Nebraska	//	//	//	//	/	/	/	/	/	/	/	/
New Jersey	//	//	//	///	/	/	/	/	/	/	/	/
New York	2.2%	//	//	//	/	/	/	/	/	/	/	/
North Carolina	74.2%	//	91.4%	//	/	/	/	/	/	/	/	/
Pennsylvania	85.4%	//	95.1%	//	/	/	/	/	/	/	/	/
South Carolina	96.3%	//	//	//	/	/	/	/	/	/	/	/
Tennessee	74.6%	//	94.6%	//	/	/	/	/	/	/	/	/
Utah	//	//	//	///	/	/	/	/	/	/	/	/
Vermont	//	///	//	//	/	/	/	/	/	/	/	/
Wisconsin	//	//	100.0%	///	/	/	/	/	/	/	/	/

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 25c: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for the Torso
2001 Ambulatory Surgery Records from Hospital-based Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Torso												
Colorado	//	//	//	//	72.1%	/	//	94.5%	///	//	//	//
Connecticut	//	//	//	//	//	/	///	//	///	//	//	//
Florida	61.2%	//	//	35.2%	20.9%	/	//	49.1%	//	42.4%	//	//
Kentucky	60.6%	//	//	//	69.9%	/	//	53.9%	//	//	//	//
Maine	26.8%	//	14.6%	16.9%	18.1%	/	//	45.3%	//	//	//	13.3%
Maryland	//	//	//	//	60.9%	/	//	//	///	//	///	//
Minnesota	80.6%	//	//	73.4%	82.4%	/	//	84.1%	//	65.7%	///	//
Missouri	//	//	//	//	//	/	//	//	///	//	//	//
Nebraska	//	//	//	//	95.5%	/	//	//	//	//	///	//
New Jersey	//	//	//	//	//	/	///	//	//	//	//	//
New York	//	//	//	//	7.6%	/	//	//	//	//	//	//
North Carolina	95.4%	//	//	94.8%	98.0%	/	//	91.2%	///	//	//	//
Pennsylvania	92.9%	//	93.1%	90.4%	97.5%	/	//	96.3%	///	98.0%	//	96.4%
South Carolina	//	//	//	//	95.7%	/	///	//	///	//	///	//
Tennessee	95.7%	//	//	94.6%	95.0%	/	//	91.4%	///	93.0%	//	//
Utah	//	//	//	//	//	/	///	//	///	///	//	//
Vermont	//	//	///	//	//	/	///	//	///	//	///	//
Wisconsin	//	//	//	//	//	/	//	//	//	//	///	//

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 25d: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for the Extremities
2001 Ambulatory Surgery Records from Hospital-based Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/ Superficial	Crush	Burns	Nerves	Unspecified
Extremities												
Colorado	97.6%	93.3%	93.2%	/	93.0%	98.9%	//	91.2%	99.0%	93.4%	94.6%	92.0%
Connecticut	97.7%	96.6%	97.7%	/	95.3%	95.9%	//	96.3%	//	//	97.7%	//
Florida	48.0%	12.3%	35.9%	/	38.2%	53.9%	//	67.3%	49.3%	46.4%	33.7%	54.5%
Kentucky	47.1%	21.5%	19.7%	/	60.5%	40.2%	//	50.1%	37.7%	42.9%	23.2%	38.4%
Maine	23.7%	23.8%	23.1%	/	35.3%	17.8%	//	36.7%	26.8%	33.6%	20.7%	10.8%
Maryland	94.0%	88.9%	93.6%	/	82.8%	52.3%	//	90.1%	//	//	96.1%	//
Minnesota	69.8%	48.5%	66.6%	/	90.8%	82.5%	//	86.4%	85.1%	67.1%	37.1%	89.7%
Missouri	98.2%	98.2%	98.2%	/	99.0%	98.1%	//	98.5%	98.0%	98.5%	99.0%	//
Nebraska	98.1%	95.7%	95.2%	/	98.5%	99.0%	//	97.3%	97.8%	99.1%	//	96.8%
New Jersey	100.0%	100.0%	99.8%	/	99.9%	100.0%	//	39.0%	//	//	99.5%	//
New York	10.4%	5.9%	7.7%	/	10.6%	14.7%	//	9.1%	//	9.5%	5.6%	8.1%
North Carolina	96.5%	90.8%	92.1%	/	98.8%	98.3%	//	96.1%	97.7%	96.2%	93.2%	93.4%
Pennsylvania	93.6%	94.7%	94.9%	/	99.1%	98.2%	//	97.4%	98.5%	96.7%	93.2%	96.4%
South Carolina	96.8%	96.3%	97.5%	/	97.7%	94.3%	//	94.5%	//	97.4%	89.8%	98.9%
Tennessee	95.9%	82.3%	77.9%	/	98.7%	97.3%	//	94.7%	97.1%	92.8%	86.3%	89.7%
Utah	87.0%	63.7%	72.4%	/	88.1%	//	//	//	//	//	84.3%	//
Vermont	98.7%	97.5%	99.1%	/	99.9%	//	//	98.6%	//	//	//	//
Wisconsin	99.5%	99.6%	99.7%	/	99.4%	99.6%	//	99.5%	//	99.1%	100.0%	//

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 25e: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for Unclassified by Site
2001 Ambulatory Surgery Records from Hospital-based Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Unclassified by Site												
Colorado	//	///	//	//	//	/	///	//	///	//	//	85.1%
Connecticut	///	//	//	///	//	/	///	//	///	//	//	83.8%
Florida	//	//	//	//	1.9%	/	//	//	//	//	//	46.4%
Kentucky	//	//	//	//	//	/	//	//	///	//	//	42.4%
Maine	10.3%	//	19.3%	//	27.8%	/	//	31.5%	//	8.7%	//	28.7%
Maryland	//	///	//	///	//	/	///	//	//	//	//	83.7%
Minnesota	//	//	//	//	4.6%	/	///	76.0%	///	3.3%	//	78.0%
Missouri	//	//	//	///	//	/	///	//	///	//	//	96.6%
Nebraska	//	//	//	///	//	/	///	//	///	//	//	92.3%
New Jersey	//	///	//	///	//	/	//	//	///	///	//	93.6%
New York	//	//	//	///	//	/	///	//	///	//	//	9.0%
North Carolina	//	//	//	//	//	/	//	100.0%	///	//	//	92.4%
Pennsylvania	//	//	89.2%	//	85.0%	/	///	91.1%	//	//	91.3%	90.0%
South Carolina	//	//	//	//	//	/	///	//	///	//	//	87.6%
Tennessee	//	//	//	//	//	/	//	96.4%	//	//	//	84.5%
Utah	//	///	//	///	//	/	///	//	///	//	//	77.9%
Vermont	///	///	///	//	///	/	///	//	///	///	//	93.3%
Wisconsin	//	//	//	///	//	/	///	//	///	///	//	98.3%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 26a: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for Head and Neck
2001 Ambulatory Surgery Records from Freestanding Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Head and Neck												
Florida SASD	3.2%	//	///	///	1.4%	/	///	//	///	//	0.0%	//
Kentucky SASD	//	///	///	///	//	/	///	///	///	//	///	///
Missouri SASD	64.2%	///	///	///	//	/	///	//	///	///	//	//
New York SASD	5.3%	///	///	///	//	/	///	//	///	//	///	//
North Carolina SASD	28.4%	//	//	///	//	/	///	//	///	///	///	///
Pennsylvania SASD	69.1%	///	///	///	46.5%	/	///	//	///	//	//	///
South Carolina SASD	12.2%	///	///	///	//	/	///	//	///	//	///	//
Utah SASD	39.3%	//	///	///	//	/	///	//	///	///	//	//
Wisconsin SASD	97.2%	///	//	///	//	/	///	//	///	//	//	//

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 26b: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for Spine and Back
2001 Ambulatory Surgery Records from Freestanding Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Spine and Back												
Florida SASD	//	//	0.0%	//	/	/	/	/	/	/	/	/
Kentucky SASD	//	//	//	///	/	/	/	/	/	/	/	/
Missouri SASD	//	///	//	///	/	/	/	/	/	/	/	/
New York SASD	//	///	//	//	/	/	/	/	/	/	/	/
North Carolina SASD	//	//	//	///	/	/	/	/	/	/	/	/
Pennsylvania SASD	//	///	//	///	/	/	/	/	/	/	/	/
South Carolina SASD	///	///	//	///	/	/	/	/	/	/	/	/
Utah SASD	//	///	//	//	/	/	//	//	//	//	//	//
Wisconsin SASD	///	///	///	///	//	/	///	///	///	///	///	///

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 26c: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for Torso
2001 Ambulatory Surgery Records from Freestanding Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Torso												
Florida SASD	///	///	///	//	//	/	///	//	///	///	///	///
Kentucky SASD	//	//	//	//	//	/	///	///	///	///	///	///
Missouri SASD	///	///	//	//	//	/	///	///	///	///	///	///
New York SASD	///	//	//	//	//	/	///	//	///	//	//	///
North Carolina SASD	//	///	///	//	//	/	///	//	///	//	//	///
Pennsylvania SASD	///	//	//	///	///	/	///	//	///	///	//	///
South Carolina SASD	//	///	///	//	//	/	///	///	///	//	///	//
Utah SASD	1.1%	0.2%	0.3%	/	2.0%	1.8%	//	0.0%	//	//	1.0%	0.0%
Wisconsin SASD	//	0.0%	0.0%	/	//	//	///	//	//	///	//	//

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 26d: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for Extremities
2001 Ambulatory Surgery Records from Freestanding Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Extremities												
Florida SASD	46.5%	54.0%	52.1%	/	46.7%	//	///	//	//	//	//	//
Kentucky SASD	1.8%	2.0%	2.3%	/	3.6%	//	//	//	//	//	//	//
Missouri SASD	31.5%	13.0%	22.0%	/	27.9%	//	///	//	//	//	//	//
New York SASD	43.7%	55.0%	53.4%	/	60.3%	60.5%	//	//	//	//	35.3%	//
North Carolina SASD	9.6%	19.3%	16.8%	/	11.3%	//	//	//	//	//	//	//
Pennsylvania SASD	21.2%	1.8%	7.4%	/	//	//	///	//	//	//	//	//
South Carolina SASD	96.1%	95.9%	94.5%	/	98.9%	//	//	//	//	//	//	97.0%
Utah SASD	//	//	//	///	//	/	///	//	///	//	//	2.3%
Wisconsin SASD	///	///	//	///	///	/	///	///	///	///	///	///

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 26e: Percent of Injury Records with an Injury E Code by Modified Barell Matrix for Unclassified Site
2001 Ambulatory Surgery Records from Freestanding Facilities**

/ - Not Applicable

// - Estimates based on a sample size of less than 70 are not displayed.

/// - Injury did not occur in the databases.

	Fracture	Dislocation	Sprains & Strains	Internal	Open Wound	Amputations	Blood	Contusion/Superficial	Crush	Burns	Nerves	Unspecified
Unclassified by Site												
Florida SASD	//	///	//	///	//	/	///	//	///	///	//	//
Kentucky SASD	//	//	//	///	///	/	///	///	///	///	//	0.8%
Missouri SASD	///	///	//	///	//	/	///	///	///	///	///	11.8%
New York SASD	//	///	//	///	//	/	///	//	///	///	//	39.1%
North Carolina SASD	///	///	//	///	//	/	///	//	///	///	///	6.0%
Pennsylvania SASD	///	///	///	///	///	/	///	///	///	///	//	1.2%
South Carolina SASD	///	///	//	///	//	/	///	//	///	//	//	98.8%
Utah SASD												
Wisconsin SASD												

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

Table 27: Injury Records Classified by Intent
2001 HCUP Ambulatory Surgery Records

	Number of injury-related visits	Percent of injury-related visits that are <i>Unintentional</i>	Percent of injury-related visits that are <i>Intentional</i>	Percent of injury-related visits with <i>Undetermined Intent</i>	Percent of injury-related visits with <i>Adverse Effects of Medical Treatment</i>	Percent of injury-related visits with <i>Blank Cause</i>
Hospital-based Facilities:						
Average across all States	55,325	77.6%	2.6%	0.4%	0.2%	19.1%
Minimum across all States	6,852	8.0%	0.1%	0.0%	0.1%	0.1%
Maximum across all States	180,351	97.0%	5.6%	1.7%	0.9%	91.7%
Colorado	73,767	91.0%	4.3%	0.0%	0.1%	4.6%
Connecticut	13,293	93.8%	1.3%	1.2%	0.3%	3.3%
Florida	86,459	37.9%	1.2%	0.1%	0.1%	60.7%
Kentucky	52,523	50.6%	2.7%	0.1%	0.1%	46.6%
Maine	61,107	25.6%	0.4%	0.2%	0.2%	73.7%
Maryland	16,122	84.1%	3.2%	1.7%	0.9%	10.1%
Minnesota	121,124	79.8%	3.3%	0.1%	0.1%	16.7%
Missouri	19,606	95.5%	2.3%	0.1%	0.6%	1.5%
Nebraska	33,104	95.3%	2.9%	0.2%	0.2%	1.4%
New Jersey	15,688	94.8%	2.5%	1.6%	0.1%	0.9%
New York	46,773	8.0%	0.1%	0.1%	0.1%	91.7%
North Carolina	89,558	92.2%	4.7%	0.2%	0.1%	2.8%
Pennsylvania	180,351	94.0%	3.5%	0.2%	0.1%	2.2%
South Carolina	13,323	95.1%	2.7%	*	*	1.9%
Tennessee	134,826	89.9%	5.6%	0.3%	0.1%	4.1%
Utah	9,737	76.7%	1.9%	0.0%	0.5%	20.9%
Vermont	6,852	95.7%	2.7%	0.5%	0.3%	0.9%
Wisconsin	21,644	97.0%	2.0%	0.7%	0.2%	0.1%
Freestanding Facilities:						
Average across all States	6,565	29.1%	0.3%	0.4%	0.1%	70.1%
Minimum across all States	319	0.7%	0.0%	0.0%	0.0%	0.2%
Maximum across all States	26,642	96.6%	1.0%	1.8%	0.4%	99.3%
Florida	26,642	0.7%	0.0%	0.0%	0.0%	99.3%
Kentucky	319	2.8%	0.0%	0.0%	0.0%	97.2%
Missouri	2,861	54.0%	0.6%	0.0%	0.2%	45.2%
New York	6,707	2.1%	0.0%	0.0%	0.0%	97.9%
North Carolina	4,054	21.1%	0.3%	0.1%	0.1%	78.4%
Pennsylvania	10,602	58.1%	0.2%	1.6%	0.1%	40.0%
South Carolina	3,164	14.9%	0.1%	*	*	84.9%
Utah	2,028	11.9%	0.5%	0.0%	0.1%	87.4%
Wisconsin	2,709	96.6%	1.0%	1.8%	0.4%	0.2%

* Estimates based on a sample size of less than 70 are not displayed.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 28: Unintentional Injury Discharges Classified by Mechanism
2001 HCUP Ambulatory Surgery Records**

	Number of Unintentional injuries	Percent of unintentional injuries that are Falls	Percent of unintentional injuries that are Motor Vehicle Traffic	Percent of unintentional injuries that are Struck by/ against	Percent of unintentional injuries that are Cut/pierce	Percent of unintentional injuries that are Other Mechanism	Percent of unintentional injuries that are Mechanism Unspecified
Hospital-based Facilities:							
Average across all States	41,932	23.6%	4.5%	12.1%	15.9%	24.3%	19.7%
Minimum across all States	3,737	13.3%	2.6%	5.5%	4.3%	16.1%	2.3%
Maximum across all States	169,512	30.0%	7.2%	18.9%	31.5%	36.9%	46.5%
Colorado	67,105	27.0%	4.5%	17.1%	27.8%	19.2%	4.4%
Connecticut	12,475	17.3%	3.0%	5.8%	7.3%	22.8%	43.9%
Florida	32,809	30.0%	5.5%	14.8%	14.5%	27.4%	7.8%
Kentucky	26,570	25.6%	6.9%	16.4%	29.9%	17.5%	3.8%
Maine	15,640	25.7%	7.0%	10.0%	4.3%	36.9%	16.1%
Maryland	13,561	18.8%	3.3%	6.5%	7.5%	23.6%	40.3%
Minnesota	96,684	24.6%	3.8%	18.4%	24.1%	26.9%	2.3%
Missouri	18,732	17.7%	3.4%	7.6%	6.8%	25.9%	38.5%
Nebraska	31,560	25.9%	4.0%	18.9%	25.7%	19.9%	5.7%
New Jersey	14,874	24.1%	3.4%	6.2%	5.3%	21.2%	39.8%
New York	3,737	21.3%	7.2%	7.9%	6.4%	27.7%	29.6%
North Carolina	82,579	23.4%	5.0%	15.7%	25.9%	17.9%	12.2%
Pennsylvania	169,512	23.3%	3.7%	15.6%	26.5%	19.9%	11.0%
South Carolina	12,673	13.3%	3.1%	5.5%	5.7%	25.9%	46.5%
Tennessee	121,249	23.2%	6.2%	15.9%	31.5%	16.1%	7.1%
Utah	7,471	30.0%	4.5%	12.5%	6.5%	30.3%	16.3%
Vermont	6,555	27.0%	2.6%	13.8%	24.4%	24.3%	7.8%
Wisconsin	20,986	26.0%	3.0%	8.9%	6.6%	34.5%	20.9%
Freestanding Facilities:							
Average across all States	1,527	11.6%	2.1%	7.3%	4.0%	26.4%	48.6%
Minimum across all States	140	2.1%	0.6%	1.9%	0.7%	5.5%	20.0%
Maximum across all States	6,156	17.9%	6.5%	16.9%	9.7%	40.7%	88.4%
Florida	185	15.1%	6.5%	14.1%	9.7%	34.6%	20.0%
Kentucky	*	*	*	*	*	*	*
Missouri	1,544	10.8%	1.4%	5.4%	2.0%	30.2%	50.1%
New York	140	17.9%	0.7%	2.1%	0.7%	40.7%	37.9%
North Carolina	856	5.3%	1.4%	2.3%	1.5%	11.6%	77.9%
Pennsylvania	6,156	6.1%	1.2%	2.2%	1.9%	38.3%	50.2%
South Carolina	473	2.1%	0.6%	1.9%	1.5%	5.5%	88.4%
Utah	242	17.8%	2.5%	16.9%	8.7%	18.2%	36.0%
Wisconsin	2,618	17.5%	2.8%	13.6%	5.9%	32.1%	28.2%

* Estimates based on a sample size of less than 70 are not displayed.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 29: Intentional Injury Discharges Classified by Mechanism
2001 HCUP Ambulatory Surgery Records**

	Number of Intentional injuries	Percent of intentional injuries that are Assault	Percent of intentional injuries that are Self-Inflicted	Percent of intentional injuries that are Other Causes of Violence
Hospital-based Facilities:				
Average across all States	1,859	86.8%	11.6%	1.6%
Minimum across all States	173	62.3%	2.7%	0.2%
Maximum across all States	7,555	97.1%	35.0%	5.0%
Colorado	3,184	87.5%	11.4%	1.1%
Connecticut	173	91.9%	6.9%	1.2%
Florida	1,055	88.2%	11.6%	0.3%
Kentucky	1,426	85.8%	12.2%	2.0%
Maine	240	68.3%	26.7%	5.0%
Maryland	520	97.1%	2.7%	0.2%
Minnesota	3,953	86.2%	11.9%	1.9%
Missouri	446	93.5%	4.9%	1.6%
Nebraska	948	88.1%	10.9%	1.1%
New Jersey	397	82.1%	14.4%	3.5%
New York	*	*	*	*
North Carolina	4,247	91.9%	7.0%	1.1%
Pennsylvania	6,291	88.8%	9.5%	1.7%
South Carolina	359	95.8%	3.9%	0.3%
Tennessee	7,555	87.1%	11.2%	1.7%
Utah	189	88.9%	10.1%	1.1%
Vermont	183	62.3%	35.0%	2.7%
Wisconsin	438	91.6%	7.5%	0.9%
Freestanding Facilities:				
Florida	*	*	*	*
Kentucky	*	*	*	*
Missouri	*	*	*	*
New York	*	*	*	*
North Carolina	*	*	*	*
Pennsylvania	*	*	*	*
South Carolina	*	*	*	*
Utah	*	*	*	*
Wisconsin	*	*	*	*

* Estimates based on a sample size of less than 70 are not displayed.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

Table 30: Number of Diagnoses and E Code Completeness Percentages by State
2001 HCUP Ambulatory Surgery Records

State	Maximum Number of Diagnoses Coded	Hospital-based SASD E code completeness
Colorado	15	95.3%
Connecticut	15	96.4%
Florida	5	39.2%
Kentucky	10	53.1%
Maine	10	23.0%
Maryland	16	89.2%
Minnesota	10	79.6%
Missouri	30	98.1%
Nebraska	10	97.6%
New Jersey	10	99.0%
New York	6	8.2%
North Carolina	11	96.7%
Pennsylvania	10	97.1%
South Carolina	12	96.0%
Tennessee	10	95.6%
Utah	9	78.8%
Vermont	15	98.7%
Wisconsin	10	99.5%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

Table 31: States with and without Mandates/Regulations for the Submission of E Codes on Injury Records
2001 HCUP Ambulatory Surgery Records

States	Hospital-based SASD E code completeness	States with Mandates/Regulations	States that enforce their Mandates/Regulations	States that Encourage Submission of E codes
Colorado	95.3%	No	--	yes
Connecticut	96.4%	Yes	No	--
Florida	39.2%	Yes	No	--
Kentucky	53.1%	Yes	No	--
Maine	23.0%	No	--	no
Maryland	89.2%	Yes	No	--
Minnesota	79.6%	No	--	yes
Missouri	98.1%	Yes	Yes	--
Nebraska	97.6%	Yes	No	--
New Jersey	99.0%	Yes	No	--
New York	8.2%	Yes	Yes	--
North Carolina	96.7%	No	--	no
Pennsylvania	97.1%	Yes	Yes	--
South Carolina	96.0%	Yes	Yes	--
Tennessee	95.6%	Yes	Yes	--
Utah	78.8%	Yes	No	--
Vermont	98.7%	Yes	No	--
Wisconsin	99.5%	Yes	Yes	--

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

Table 32: States that do and do not Edit Check or Verify E Codes
2001 HCUP Ambulatory Surgery Records

States	Percent of Hospital-based SASD Injury Discharges with Injury E codes	States that Edit Check or Verify E Codes
Colorado	95.3%	Yes
Connecticut	96.4%	No
Florida	39.2%	Yes
Kentucky	53.1%	Yes
Maine	23.0%	Yes
Maryland	89.2%	Yes
Minnesota	79.6%	No
Missouri	98.1%	Yes
Nebraska	97.6%	Yes
New Jersey	99.0%	Yes
New York	8.2%	Yes
North Carolina	96.7%	No
Pennsylvania	97.1%	Yes
South Carolina	96.0%	Yes
Tennessee	95.6%	Yes
Utah	78.8%	No
Vermont	98.7%	Yes
Wisconsin	99.5%	Yes

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

Table 33: Percent of Discharges with Medical Misadventure/ Adverse Reaction Diagnoses
2001 HCUP Inpatient Discharges

Summary	Percent of Discharges with Medical Misadventure/Adverse Reaction Diagnoses		
	Based on Principal Diagnosis	Based on Secondary Diagnoses	Based on All Diagnoses
Total U.S. (NIS)	2.3% (2.21-2.41)	3.7% (3.48-3.83)	5.6% (5.39-5.87)
Total U.S. (NHDS)	2.1% (2.05-2.23)	3.1% (2.96-3.18)	4.9% (4.81-5.08)
Average across all States	2.4%	3.8%	5.9%
Minimum across all States	1.9%	3.0%	4.9%
Maximum across all States	2.7%	5.0%	7.3%
Arizona	2.6%	3.9%	6.1%
California	2.3%	3.6%	5.5%
Colorado	2.4%	4.2%	6.2%
Connecticut	2.4%	4.0%	6.1%
Florida	2.4%	4.0%	6.1%
Georgia	2.5%	3.7%	5.8%
Hawaii	1.9%	3.8%	5.4%
Illinois	2.0%	3.2%	4.9%
Iowa	2.0%	3.9%	5.6%
Kansas	2.2%	3.1%	5.0%
Kentucky	2.0%	3.3%	5.0%
Maine	2.5%	4.3%	6.3%
Maryland	2.7%	5.0%	7.3%
Massachusetts	2.5%	3.9%	6.1%
Michigan	2.5%	3.7%	5.8%
Minnesota	2.6%	4.4%	6.6%
Missouri	2.5%	4.3%	6.4%
Nebraska	2.5%	3.6%	5.7%
New Jersey	2.0%	3.4%	5.1%
New York	2.1%	3.0%	4.9%
North Carolina	2.6%	3.8%	6.0%
Oregon	2.5%	4.0%	6.1%
Pennsylvania	2.6%	4.2%	6.4%
Rhode Island	2.4%	4.3%	6.3%
South Carolina	2.3%	3.4%	5.4%
Tennessee	2.3%	3.4%	5.4%
Texas	2.2%	3.1%	5.1%
Utah	2.6%	4.3%	6.5%
Vermont	2.5%	3.7%	5.9%
Virginia	2.3%	3.6%	5.6%
Washington	2.7%	4.6%	6.9%
West Virginia	2.0%	3.6%	5.4%
Wisconsin	2.5%	4.2%	6.3%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 34: Percent of Records with Medical Misadventure/
Adverse Reaction Diagnoses
2001 HCUP Emergency Department Records**

Summary	Percent of Records with Medical Misadventure/Adverse Reaction Diagnoses	
	Based on Principal Diagnosis	Based on Secondary Diagnoses
Average across all States	0.6%	0.1%
Minimum across all States	0.5%	0.1%
Maximum across all States	0.9%	0.2%
Connecticut	0.5%	0.1%
Maine	0.7%	0.1%
Maryland	0.5%	0.1%
Minnesota	0.9%	0.2%
Missouri	0.5%	0.1%
Nebraska	0.7%	0.1%
South Carolina	0.5%	0.1%
Tennessee	0.5%	0.1%
Utah	0.8%	0.2%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State Emergency Department Databases (SEDD), and not all States participate in HCUP.

**Table 35: Percent of Records with Medical Misadventure/
Adverse Reaction Diagnoses
2001 HCUP Ambulatory Surgery Records**

Summary	Percent of Records with Medical Misadventure/Adverse Reaction Diagnoses	
	Based on Principal Diagnosis	Based on Secondary Diagnoses
Hospital-based Facilities		
Average across all States	1.8%	0.5%
Minimum across all States	0.3%	0.1%
Maximum across all States	2.4%	0.8%
Colorado	2.2%	0.7%
Connecticut	1.6%	0.4%
Florida	2.1%	0.5%
Kentucky	1.4%	0.4%
Maine	0.3%	0.1%
Maryland	2.4%	0.5%
Minnesota	1.6%	0.6%
Missouri	2.0%	0.5%
Nebraska	1.9%	0.5%
New Jersey	2.1%	0.4%
New York	1.5%	0.3%
North Carolina	2.0%	0.6%
Pennsylvania	1.7%	0.4%
South Carolina	2.3%	0.7%
Tennessee	2.1%	0.5%
Utah	2.0%	0.8%
Vermont	1.1%	0.4%
Wisconsin	1.8%	0.6%
Freestanding Facilities		
Average across all States	0.6%	0.2%
Minimum across all States	0.3%	0.1%
Maximum across all States	1.3%	0.3%
Florida	0.3%	0.1%
Kentucky	1.3%	0.2%
Missouri	0.7%	0.2%
New York	0.4%	0.2%
North Carolina	0.5%	0.1%
Pennsylvania	0.5%	0.1%
South Carolina	0.4%	0.1%
Utah	0.8%	0.3%
Wisconsin	0.5%	0.2%

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State-specific statistics are from the State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 36: Percent of Recordss wit Medical Misadventure/ Adverse Reaction
Principal Diagnosis
2001 HCUP Databases**

Summary	Percent of Records with Medical Misadventure/Adverse Reaction Principal Diagnosis		
	Inpatient	Emergency Department	Hospital- Based Ambulatory Surgery
Total U.S. (NIS)	2.3%		
Mean across all States	2.4%	0.6%	1.8%
Minimum across all States	1.9%	0.5%	0.3%
Maximum across all States	2.7%	0.9%	2.4%
Arizona	2.6%	*	**
California	2.3%	*	**
Colorado	2.4%	*	2.2%
Connecticut	2.4%	0.5%	1.6%
Florida	2.4%	*	2.1%
Georgia	2.5%	*	**
Hawaii	1.9%	*	**
Illinois	2.0%	*	**
Iowa	2.0%	*	**
Kansas	2.2%	*	**
Kentucky	2.0%	*	1.4%
Maine	2.5%	0.7%	0.3%
Maryland	2.7%	0.5%	2.4%
Massachusetts	2.5%	*	**
Michigan	2.5%	*	**
Minnesota	2.6%	0.9%	1.6%
Missouri	2.5%	0.5%	2.0%
Nebraska	2.5%	0.7%	1.9%
New Jersey	2.0%	*	2.1%
New York	2.1%	*	1.5%
North Carolina	2.6%	*	2.0%
Oregon	2.5%	*	**
Pennsylvania	2.6%	*	1.7%
Rhode Island	2.4%	*	**
South Carolina	2.3%	0.5%	2.3%
Tennessee	2.3%	0.5%	2.1%
Texas	2.2%	*	**
Utah	2.6%	0.8%	2.0%
Vermont	2.5%	*	1.1%
Virginia	2.3%	*	**
Washington	2.7%	*	**
West Virginia	2.0%	*	**
Wisconsin	2.5%	*	1.8%

* Not all states provide emergency department data for the SEDD.

** Not all states provide ambulatory surgery data for the SASD.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from the HCUP Nationwide Inpatient Sample (NIS). State estimates are from the HCUP State Inpatient Databases (SID), State Emergency Department Databases (SEDD), State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

Table 37: Percent of Injury and Medical Misadventure/ Adverse Reaction Records with an E code
2001 HCUP Inpatient Databases

	Percent of Records with an E code	
	Injury Discharges	Medical Misadventure/ Adverse Reaction Discharges
Summary		
Total U.S. (NIS) N = 1,703,500 (1,619,703 - 1,787,296)	85.7%	39.2%
Total U.S. (NHDS) N = 1,813,594 (1,658,376 - 1,968,812)	68.0%	67.9%
Mean across all States	87.2%	40.2%
Minimum across all States	52.6%	9.4%
Maximum across all States	99.4%	98.4%
Arizona	79.1%	41.0%
California	95.0%	13.9%
Colorado	99.1%	40.1%
Connecticut	99.4%	47.9%
Florida	80.1%	18.9%
Georgia	94.2%	†
Hawaii	60.4%	12.5%
Illinois	56.5%	12.2%
Iowa	80.7%	18.7%
Kansas	59.8%	21.5%
Kentucky	76.4%	18.1%
Maine	87.0%	45.9%
Maryland	95.7%	74.8%
Massachusetts	98.6%	42.9%
Michigan	85.5%	46.1%
Minnesota	85.0%	34.1%
Missouri	98.3%	73.6%
Nebraska	95.9%	82.6%
New Jersey	98.9%	12.9%
New York	98.8%	98.4%
North Carolina	95.5%	63.0%
Oregon	87.9%	20.1%
Pennsylvania	96.3%	55.2%
Rhode Island	92.8%	43.8%
South Carolina	97.1%	†
Tennessee	94.9%	43.0%
Texas	71.8%	23.1%
Utah	92.3%	51.7%
Vermont	98.8%	93.4%
Virginia	78.1%	34.6%
Washington	97.3%	17.8%
West Virginia	52.6%	9.4%
Wisconsin	98.5%	35.2%

† South Carolina and Georgia specifically do not allow the submission or release of E codes on medical misadventure/adverse reaction records.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), and not all States participate in HCUP.

**Table 38: Percent of Injury and Medical Misadventure/ Adverse Reaction Records with an E code
2001 HCUP Emergency Department Databases**

	Percent of Records with an E code	
	Injury Records	Medical Misadventure/ Adverse Reaction Records
Summary		
Mean across all States	92.5%	57.6%
Minimum across all States	71.9%	22.9%
Maximum across all States	99.4%	81.9%
Connecticut	99.4%	58.3%
Maine	80.1%	22.9%
Maryland	94.9%	63.0%
Minnesota	71.9%	50.6%
Missouri	98.2%	81.9%
Nebraska	97.7%	79.4%
South Carolina	97.6%	†
Tennessee	97.3%	44.9%
Utah	95.7%	59.7%

† South Carolina specifically does not allow the submission or release of E codes on medical misadventure/adverse reaction records.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Emergency Department Databases (SEDD), not all states participate in HCUP.

Table 39: Percent of Injury and Medical Misadventure/ Adverse Reaction Records with an E code
2001 HCUP Ambulatory Surgery Databases (Hospital-Based Facilities)

Summary	Percent of Records with an E code	
	Injury Records	Medical Misadventure/ Adverse Reaction Records
Mean across all States	80.1%	42.8%
Minimum across all States	8.2%	8.9%
Maximum across all States	99.5%	88.7%
Colorado	95.3%	32.9%
Connecticut	96.4%	51.2%
Florida	39.2%	12.5%
Kentucky	53.1%	10.4%
Maine	23.0%	11.0%
Maryland	89.2%	67.8%
Minnesota	79.6%	26.8%
Missouri	98.1%	72.8%
Nebraska	97.6%	84.6%
New Jersey	99.0%	10.8%
New York	8.2%	8.9%
North Carolina	96.7%	67.1%
Pennsylvania	97.1%	51.3%
South Carolina	96.0%	†
Tennessee	95.6%	42.6%
Utah	78.8%	58.8%
Vermont	98.7%	88.7%
Wisconsin	99.5%	29.3%

† South Carolina specifically does not allow the submission or release of E codes on medical misadventure/adverse reaction records.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Ambulatory Surgery Databases (SASD), not all states participate in HCUP.

Table 40: Percent of Medical Misadventure/ Adverse Reaction Records with an E code
2001 HCUP Databases

Summary	Percent of Medical Misadventure/Adverse Reaction Records with an E code		
	Inpatient	Emergency Department	Hospital-Based Ambulatory Surgery
Total U.S. (NIS)	39.2%		
Mean across all States	40.2%	57.6%	42.8%
Minimum across all States	9.4%	22.9%	8.9%
Maximum across all States	98.4%	81.9%	88.7%
Arizona	41.0%	*	**
California	13.9%	*	**
Colorado	40.1%	*	32.9%
Connecticut	47.9%	58.3%	51.2%
Florida	18.9%	*	12.5%
Georgia	†	*	**
Hawaii	12.5%	*	**
Illinois	12.2%	*	**
Iowa	18.7%	*	**
Kansas	21.5%	*	**
Kentucky	18.1%	*	10.4%
Maine	45.9%	22.9%	11.0%
Maryland	74.8%	63.0%	67.8%
Massachusetts	42.9%	*	**
Michigan	46.1%	*	**
Minnesota	34.1%	50.6%	26.8%
Missouri	73.6%	81.9%	72.8%
Nebraska	82.6%	79.4%	84.6%
New Jersey	12.9%	*	10.8%
New York	98.4%	*	8.9%
North Carolina	63.0%	*	67.1%
Oregon	20.1%	*	**
Pennsylvania	55.2%	*	51.3%
Rhode Island	43.8%	*	**
South Carolina	†	†	†
Tennessee	43.0%	44.9%	42.6%
Texas	23.1%	*	**
Utah	51.7%	59.7%	58.8%
Vermont	93.4%	*	88.7%
Virginia	34.6%	*	**
Washington	17.8%	*	**
West Virginia	9.4%	*	**
Wisconsin	35.2%	*	29.3%

† South Carolina and Georgia specifically do not allow the submission or release of E codes on medical misadventure/adverse reaction records.

* Not all states provide emergency department data for the SEDD.

** Not all states provide ambulatory surgery data for the SASD.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Estimates for the total U.S. are from the HCUP Nationwide Inpatient Sample (NIS). State estimates are from the HCUP State Inpatient Databases (SID), State Emergency Department Databases (SEDD), State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

**Table 41: Percent of Injury Records Classified as Adverse Effects of Medical Treatment using the Mechanism by Intent Matrix
2001 HCUP Databases**

Summary	Percent of Injury Records Classified as Adverse Effects of Medical Treatment using the Mechanism by Intent Matrix		
	Inpatient	Emergency Department	Hospital-Based Ambulatory Surgery
Total U.S. (NIS)	2.1% (1.91-2.34)		
Total U.S. (NHDS)	3.0% (2.53-3.49)		
Total U.S. (NHAMCS)		3.7%	
Mean across all States	2.2%	0.1%	0.2%
Minimum across all States	0.9%	0.1%	0.1%
Maximum across all States	5.2%	0.2%	0.9%
Arizona	3.2%	*	**
California	2.1%	*	**
Colorado	3.3%	*	0.1%
Connecticut	3.5%	0.1%	0.3%
Florida	1.9%	*	0.1%
Georgia	†	*	**
Hawaii	1.2%	*	**
Illinois	1.2%	*	**
Iowa	1.5%	*	**
Kansas	1.4%	*	**
Kentucky	0.9%	*	0.1%
Maine	2.6%	0.1%	0.2%
Maryland	3.4%	0.2%	0.9%
Massachusetts	2.9%	*	**
Michigan	3.2%	*	**
Minnesota	2.9%	0.1%	0.1%
Missouri	4.9%	0.1%	0.6%
Nebraska	2.2%	0.2%	0.2%
New Jersey	1.0%	*	0.1%
New York	2.2%	*	0.1%
North Carolina	1.9%	*	0.1%
Oregon	1.5%	*	**
Pennsylvania	1.4%	*	0.1%
Rhode Island	1.8%	*	**
South Carolina	†	†	†
Tennessee	1.7%	0.1%	0.1%
Texas	1.2%	*	**
Utah	2.0%	0.1%	0.5%
Vermont	5.2%	*	0.3%
Virginia	1.4%	*	**
Washington	1.0%	*	**
West Virginia	1.0%	*	**
Wisconsin	2.3%	*	0.2%

† South Carolina and Georgia specifically do not allow the submission or release of E codes on medical misadventure/adverse reaction records.

* Not all states provide emergency department data for the SEDD.

** Not all states provide ambulatory surgery data for the SASD.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). Inpatient estimates for the total U.S. are from two sources, the HCUP Nationwide Inpatient Sample (NIS) and the National Hospital Discharge Survey (NHDS) from the National Center for Health Statistics. Emergency department estimates for the U.S. are from the National Hospital Ambulatory Medical Care Survey (NHAMCS) from the National Center for Health Statistics. State estimates are from the HCUP State Inpatient Databases (SID), State Emergency Department Databases (SEDD), State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

Table 42: States with Mandates for the Collection of E codes on Medical Misadventure/ Adverse Reaction Records
2001 HCUP Databases

States	Percent of Medical Misadventure/Adverse Reaction Records with an E code			States with mandates or policies regarding the submission of E codes for Medical Misadventures/ Adverse Reactions
	Inpatient	Emergency Department	Hospital-Based Ambulatory Surgery	
Arizona	41.0%	*	**	Included in mandate
California	13.9%	*	**	no
Colorado	40.1%	*	32.9%	Policy for submission
Connecticut	47.9%	58.3%	51.2%	Included in mandate
Florida	18.9%	*	12.5%	no
Georgia	†	*	**	†
Hawaii	12.5%	*	**	Policy for submission
Illinois	12.2%	*	**	no
Iowa	18.7%	*	**	no
Kansas	21.5%	*	**	Policy for submission
Kentucky	18.1%	*	10.4%	no
Maine	45.9%	22.9%	11.0%	no
Maryland	74.8%	63.0%	67.8%	no
Massachusetts	42.9%	*	**	no
Michigan	46.1%	*	**	Policy for submission
Minnesota	34.1%	50.6%	26.8%	Policy for submission
Missouri	73.6%	81.9%	72.8%	Included in mandate
Nebraska	82.6%	79.4%	84.6%	Included in mandate
New Jersey	12.9%	*	10.8%	no
New York	98.4%	*	8.9%	Included in mandate
North Carolina	63.0%	*	67.1%	no
Oregon	20.1%	*	**	no
Pennsylvania	55.2%	*	51.3%	Included in mandate
Rhode Island	43.8%	*	**	no
South Carolina	†	†	†	†
Tennessee	43.0%	44.9%	42.6%	no
Texas	23.1%	*	**	no
Utah	51.7%	59.7%	58.8%	Included in mandate
Vermont	93.4%	*	88.7%	Included in mandate
Virginia	34.6%	*	**	Included in mandate
Washington	17.8%	*	**	no
West Virginia	9.4%	*	**	no
Wisconsin	35.2%	*	29.3%	no

† South Carolina and Georgia specifically do not allow the submission or release of E codes on medical misadventure/adverse reaction records.

* Not all states provide emergency department data for the SEDD.

** Not all states provide ambulatory surgery data for the SASD.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Inpatient Databases (SID), State Emergency Department Databases (SEDD), State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.

Table 43: States that Edit Check or Verify E codes on Medical Misadventures/Adverse Reaction Records
2001 HCUP Databases

States	Percent of Medical Misadventure/Adverse Reaction Records with an E code			States that verify presence of E codes on Medical Misadventures/Adverse Reaction Records
	Inpatient	Emergency Department	Hospital-Based Ambulatory Surgery	
Arizona	41.0%	*	**	Yes
California	13.9%	*	**	No
Colorado	40.1%	*	32.9%	No
Connecticut	47.9%	58.3%	51.2%	No
Florida	18.9%	*	12.5%	No
Georgia	†	*	**	†
Hawaii	12.5%	*	**	No
Illinois	12.2%	*	**	No
Iowa	18.7%	*	**	Yes
Kansas	21.5%	*	**	Yes
Kentucky	18.1%	*	10.4%	No
Maine	45.9%	22.9%	11.0%	No
Maryland	74.8%	63.0%	67.8%	No
Massachusetts	42.9%	*	**	No
Michigan	46.1%	*	**	No
Minnesota	34.1%	50.6%	26.8%	No
Missouri	73.6%	81.9%	72.8%	Yes
Nebraska	82.6%	79.4%	84.6%	No
New Jersey	12.9%	*	10.8%	No
New York	98.4%	*	8.9%	No
North Carolina	63.0%	*	67.1%	No
Oregon	20.1%	*	**	No
Pennsylvania	55.2%	*	51.3%	Yes
Rhode Island	43.8%	*	**	No
South Carolina	†	†	†	†
Tennessee	43.0%	44.9%	42.6%	No
Texas	23.1%	*	**	No
Utah	51.7%	59.7%	58.8%	No
Vermont	93.4%	*	88.7%	Yes
Virginia	34.6%	*	**	Yes
Washington	17.8%	*	**	No
West Virginia	9.4%	*	**	No
Wisconsin	35.2%	*	29.3%	No

† South Carolina and Georgia specifically do not allow the submission or release of E codes on medical misadventure/adverse reaction records.

* Not all states provide emergency department data for the SEDD.

** Not all states provide ambulatory surgery data for the SASD.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the HCUP State Inpatient Databases (SID), State Emergency Department Databases (SEDD), State Ambulatory Surgery Databases (SASD), and not all States participate in HCUP.