

# EPINet Report for Needlestick and Sharp Object Injuries

Reporting period: Jan 01, 2024 to Dec 31, 2024

Total Records Read: 1945

Facility where incident occurred: ALL

3. Home/Employing department: ALL

3a. Dept where incident occurred: ALL

4. Job category: ALL

5. Where the injury occurred: ALL

7. Injured worker was original user: ALL

8. Was it contaminated? ALL

8a. Was there blood visible? ALL

9. Original purpose of sharp item: ALL

10. When the injury occurred: ALL

11. Type of device: ALL

Device: ALL

12. Was item a "safety design"? ALL

12c. Type of safety mechanism: ALL

13. Did the device have needles on both ends? ALL

14. Did the incident result in an exposure to  
a hazardous drug? ALL

16. Depth of injury: ALL

17. If injury to hand, did the sharp item  
penetrate? ALL

19. Employment status: ALL

Was prophylaxis provided? ALL

Total rate 36.0 per 100 ADC

Teaching rate: 39.14 per 100 ADC

Non-teaching rate: 26.83 per 100 ADC

ADC is Average Daily Census 5403.1 beds  
39 hospitals

## 4. What is the job category of the injured worker?

1 Doctor (attending.staff) specialty	311	17.5%
2 Doctor (intern/resident/fellow) specialty	219	12.3%
3 Medical student	1	0.1%
4 Nurse	706	39.7%
5 Nursing student	15	0.8%
6 Respiratory therapist	12	0.7%
7 Surgery attendant	197	11.1%
8 Other attendant	63	3.5%
9 Phlebotomist/ Venipuncture	50	2.8%
10 Clinical laboratory worker	48	2.7%
11 Technologist (non lab)	50	2.8%
14 EVS/Housekeeper	21	1.2%
15 Other, describe	12	0.7%
16 EMT/Paramedic/ First Responder	8	0.5%
18 C.N.A./H.H.A.	50	2.8%
22 Physician's assistant	14	0.8%

Total records: 1,777

### 5. Where did the injury occur?

1 Patient room/ward	495	26.5%
2 Outside patient room	7	0.4%
3 Emergency department	179	9.6%
4 Intensive/Critical care unit	30	1.6%
5 Operating room/Recovery	819	43.8%
6 Outpatient clinic/Office	109	5.8%
7 Blood bank	2	0.1%
8 Venipuncture center	3	0.2%
9 Dialysis facility	1	0.1%
10 Procedure room	96	5.1%
11 Clinical laboratories	53	2.8%
12 Autopsy/Pathology	2	0.1%
13 Service/Utility area	37	2.0%
14 Other, describe	14	0.7%
16 Labor and delivery room	16	0.9%
17 Home-care	6	0.3%
Total records:	1,869	

### 6. Was the source patient identifiable?

1 Yes	987	89.6%
2 No	33	3.0%
3 Unknown	31	2.8%
4 N/A	51	4.6%
Total records:	1,102	

### 7. Was the injured worker the original user of the sharp item?

1 Yes	594	70.4%
2 No	200	23.7%
3 Unknown	36	4.3%
4 N/A	14	1.7%
Total records:	844	

### 8. The sharp item was:

1 Contaminated	1,002	91.0%
2 Uncontaminated	65	5.9%
3 Unknown	34	3.1%
Total records:	1,101	

### 8a. Was blood visible on the device?

1 Yes	746	74.5%
2 No	24	2.4%
3 Unknown	232	23.2%
Total records:	1,002	

## 9. For what purpose was the sharp item originally used?

1 Unknown/not applicable	169	9.5%
2 Injection, intramuscular/subcutaneous	376	21.1%
3 Heparin or saline flush	4	0.2%
4 Other injection into IV injection site or port	24	1.3%
5 To connect IV line	4	0.2%
6 To start IV or setup heparin lock	71	4.0%
7 To draw a venous blood sample	143	8.0%
8 To draw an arterial blood sample	19	1.1%
9 To obtain a body fluid or tissue sample	14	0.8%
10 Fingerstick/heel stick	8	0.4%
11 Suturing	455	25.6%
12 Cutting	119	6.7%
13 Electrocautery	22	1.2%
14 To contain a specimen or pharmaceutical	19	1.1%
15 Other, describe	288	16.2%
16 To place an arterial/central line	27	1.5%
17 Drilling	18	1.0%

Total records: 1,780

## 10. When did the injury occur?

1 Before use of item	72	4.2%
2 During use of item	932	53.8%
3 Between steps of a multi-step procedure	141	8.1%
4 After use, while disassembling device or equipment	17	1.0%
5 In preparation for reuse of reusable instruments	48	2.8%
6 After use, while recapping a used needle	89	5.1%
7 While withdrawing a needle from rubber or other resistance	7	0.4%
8 Other after use, before disposal	129	7.5%
9 After use, from item left on or near disposal container	3	0.2%
10 During disposal, while putting the item into the disposal container	36	2.1%
11 During disposal, stuck by item protruding from disposal container	27	1.6%
12 After disposal, item pierced side of disposal container	1	0.1%
13 After disposal, item protruding from trash bag or inapp container	9	0.5%
14 Other, describe	158	9.1%
15 While restraining patient	9	0.5%
16 After use, device left on floor, table, bed or other inappropriate	53	3.1%

Total records: 1,731

## 11. Which device caused the injury?

1 Disposable syringe	425	21.9%
2 Pre-filled cartridge syringe	17	0.9%
3 Blood gas syringe (ABG)	14	0.7%
4 Syringe, other type	33	1.7%
5 Needle on IV line	6	0.3%
6 Winged steel needle	83	4.3%
7 IV catheter stylet	71	3.7%
8 Vacuum tube blood collection holder/needle	23	1.2%
9 Spinal or epidural needle	4	0.2%
10 Unattached hypodermic needle	8	0.4%
11 Arterial catheter introducer needle	18	0.9%
12 Central line catheter introducer needle	11	0.6%
14 Other vascular catheter needle	9	0.5%
15 Other non-vascular catheter needle	4	0.2%
16 Huber-type needle	10	0.5%

17 Pen Needle	4	0.2%
28 Needle, not sure what kind	90	4.6%
29 Other needle, describe	136	7.0%
30 Lancet	12	0.6%
31 Suture needle	458	23.6%
32 Scalpel, reusable	13	0.7%
33 Razor	4	0.2%
35 Scissors	20	1.0%
36 Electro-cautery device	19	1.0%
37 Bone cutter	5	0.3%
38 Bone chip	7	0.4%
39 Towel clip	4	0.2%
40 Microtome blade	7	0.4%
41 Trocar	6	0.3%
42 Vacuum tube (plastic)	9	0.5%
44 Fingernails/Teeth	2	0.1%
45 Scalpel, disposable	90	4.6%
46 Retractors, skin/bone hooks	32	1.6%
47 Staples/Steel sutures	13	0.7%
48 Wire (suture, fixation, guide wire)	43	2.2%
49 Pin (fixation, guide pin)	14	0.7%
50 Drill bit/Bur	16	0.8%
51 Pickups/Forceps/Hemostats/Clamps	17	0.9%
58 Sharp item, not sure what kind	9	0.5%
59 Other sharp item, describe	157	8.1%
60 Medication ampule	2	0.1%
66 Capillary tube	2	0.1%
67 Glass slide	3	0.2%
68 Automobile glass/windshield	3	0.2%
78 Glass item, not sure what kind	3	0.2%
79 Other glass item, describe	4	0.2%

Total records: 1,940

#### 11a. Type of disposable needle used:

1 Insulin	95	29.1%
2 Tuberculin	27	8.3%
3 24/25G needle	78	23.9%
4 23G needle	22	6.7%
5 22G needle	15	4.6%
6 21G needle	17	5.2%
7 20G needle	7	2.1%
8 Other	66	20.2%

Total records: 327

#### 12. If the item causing the injury was a needle or sharp medical device, was it a "safety design" with a shielded, recessed, retractable, or blunted needle or blade?

1 Yes	313	20.1%
2 No	1,168	75.0%
3 Unknown	77	4.9%

Total records: 1,558

#### 12a. If yes, was safety mechanism activated?

1 Yes, fully	19	6.3%
2 Yes, partially	90	29.8%
3 No	193	63.9%

Total records: 302

**12b. If yes, did the injury happen?**

1 Before activation	196	49.7%
2 During activation	131	33.2%
3 After activation	67	17.0%
Total records: 394		

**15. Location of the injury:**

1 Hand, right	532	34.1%
15 Hand, left	965	61.9%
30 Other	63	4.0%
Total records: 1,560		

**16. Was the injury?**

1 Superficial-little or no bleeding	1,069	69.0%
2 Moderate-skin punctured, some bleeding	472	30.5%
3 Severe-deep stick/cut, profuse bleeding	8	0.5%

**17. If injury was to the hand, did the sharp item penetrate?**

1 Single pair of gloves	816	57.1%
2 Double pair of gloves	533	37.3%
3 No gloves	80	5.6%
Total records: 1429		