

## 2022 EPINet Report for Needlestick and Sharp Object Injuries

Type of facility where 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  
     18. Dominant hand of HCW: ALL  
     19. Employment status: ALL  
     Was prophylaxis provided? ALL

Number of Reporting Facilities: 40  
 Total Rate/Ratio: 29.2 per 100 ADC  
     Teaching: 34.4 per 100 ADC  
     Non-teaching: 18.4 per 100 ADC  
 [ADC is Average Daily Census]

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

1 Doctor (attending,staff) specialty	271	17.2%
2 Doctor (intern/resident/fellow) specialty	149	9.5%
3 Medical student	22	1.4%
4 Nurse	639	40.6%
5 Nursing student	17	1.1%
6 Respiratory therapist	14	0.9%
7 Surgery attendant	128	8.1%
8 Other attendant	44	2.8%
9 Phlebotomist/ Venipuncture	50	3.2%
10 Clinical laboratory worker	18	1.1%
11 Technologist (non lab)	115	7.3%
12 Dentist	1	0.1%
14 EVS/Housekeeper	31	2.0%
15 Other, describe	32	2.0%
16 EMT/Paramedic/ First Responder	13	0.8%
17 Other student	1	0.1%
18 C.N.A./H.H.A.	25	1.6%
19 Laundry worker	2	0.1%
22 Physician's assistant	3	0.2%
Total records:	1,575	

## 5. Where did the injury occur?

1 Patient room/ward	434	26.5%
2 Outside patient room	6	0.4%
3 Emergency department	139	8.5%
4 Intensive/Critical care unit	45	2.7%
5 Operating room/Recovery	663	40.4%
6 Outpatient clinic/Office	87	5.3%
8 Venipuncture center	1	0.1%
10 Procedure room	69	4.2%
11 Clinical laboratories	31	1.9%
12 Autopsy/Pathology	2	0.1%
13 Service/Utility area	27	1.6%
14 Other, describe	114	7.0%
16 Labor and delivery room	19	1.2%
17 Homecare	3	0.2%
Total records:	1,640	

## 6. Was the source patient identifiable?

1 Yes	1,425	90.6%
2 No	46	2.9%
3 Unknown	53	3.4%
4 N/A	48	3.1%
Total records:	1,572	

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

1 Yes	911	71.8%
2 No	315	24.8%
3 Unknown	21	1.7%
4 N/A	21	1.7%
Total records:	1,268	

## 8. The sharp item was:

1 Contaminated	1,450	88.1%
2 Uncontaminated	71	4.3%
3 Unknown	125	7.6%
Total records:	1,646	

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

1 Yes	943	70.7%
2 No	117	8.8%
3 Unknown	273	20.5%
Total records:	1,333	

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

1 Unknown/not applicable	53	4.2%
2 Injection, intramuscular/subcutaneous	323	25.4%
3 Heparin or saline flush	2	0.2%
4 Other injection into IV injection site or port	11	0.9%
5 To connect IV line	4	0.3%
6 To start IV or setup heparin lock	47	3.7%
7 To draw a venous blood sample	83	6.5%
8 To draw an arterial blood sample	12	0.9%
9 To obtain a body fluid or tissue sample	23	1.8%
10 Fingerstick/heel stick	7	0.6%
11 Suturing	351	27.6%
12 Cutting	92	7.2%
13 Electrocautery	7	0.6%
14 To contain a specimen or pharmaceutical	3	0.2%
15 Other, describe	223	17.5%
16 To place an arterial/central line	21	1.7%
17 Drilling	9	0.7%
Total records:	1,271	

## 10. When did the injury occur?

1 Before use of item	27	2.2%
2 During use of item	663	53.3%
3 Between steps of a multi-step procedure	117	9.4%
4 After use, while disassembling device or equipment	21	1.7%
5 In preparation for reuse of reusable instruments	24	1.9%
6 After use, while recapping a used needle	40	3.2%
7 While withdrawing a needle from rubber or other resistance	7	0.6%
8 Other after use, before disposal	133	10.7%
9 After use, from item left on or near disposal container	1	0.1%
10 During disposal, while putting the item into the disposal container	18	1.4%
11 During disposal, stuck by item protruding from disposal container	18	1.4%
13 After disposal, item protruding from trash bag or inapp container	18	1.4%
14 Other, describe	121	9.7%
15 While restraining patient	2	0.2%
16 After use, device left on floor, table, bed or other inappropriate	34	2.7%
Total records:	1,244	

## 11. Which device caused the injury?

1 Disposable syringe	383	23.4%
2 Pre-filled cartridge syringe	34	2.1%
3 Blood gas syringe (ABG)	12	0.7%
4 Syringe, other type	9	0.5%
5 Needle on IV line	2	0.1%
6 Winged steel needle	70	4.3%
7 IV catheter stylet	58	3.5%
8. Vacuum tube blood collection holder/needle	57	3.5%
9 Spinal or epidural needle	11	0.7%
10 Unattached hypodermic needle	7	0.4%
11 Arterial catheter introducer needle	9	0.5%
12 Central line catheter introducer needle	7	0.4%
14 Other vascular catheter needle	8	0.5%

15 Other non-vascular catheter needle	2	0.1%
16 Huber-type needle	16	1.0%
17 Pen Needle	7	0.4%
28 Needle, not sure what kind	97	5.9%
29 Other needle, describe	127	7.7%
30 Lancet	8	0.5%
31 Suture needle	385	23.5%
32 Scalpel, reusable	20	1.2%
33 Razor	9	0.5%
35 Scissors	13	0.8%
36 Electro-cautery device	7	0.4%
37 Bone cutter	2	0.1%
39 Towel clip	4	0.2%
40 Microtome blade	1	0.1%
41 Trocar	5	0.3%
45 Scalpel, disposable	51	3.1%
46 Retractors, skin/bone hooks	17	1.0%
47 Staples/Steel sutures	9	0.5%
48 Wire (suture, fixation, guide wire)	31	1.9%
49 Pin (fixation, guide pin)	14	0.9%
50 Drill bit/Bur	9	0.5%
51 Pickups/Forceps/Hemostats/Clamps	18	1.1%
58 Sharp item, not sure what kind	15	0.9%
59 Other sharp item, describe	91	5.6%
60 Medication ampule	1	0.1%
61 Medication vial	1	0.1%
65 Specimen/Test tube, glass	1	0.1%
68 Automobile glass/windshield	3	0.2%
78 Glass item, not sure what kind	3	0.2%
79 Other glass item, describe	5	0.3%
Total records:	1,639	

## 11a. Type of disposable needle used:

1 Insulin	85	26.2%
2 Tuberculin	27	8.3%
3 24/25G needle	67	20.6%
4 23G needle	32	9.8%
5 22G needle	22	6.8%
6 21G needle	14	4.3%
7 20G needle	9	2.8%
8 Other	69	21.2%
Total records:	325	

**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	329	30.4%
2 No	678	62.6%
3 Unknown	76	7.0%
Total records:	1,083	

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

1 Yes, fully	18	6.0%
2 Yes, partially	79	26.3%
3 No	198	66.0%
4 Unknown	5	1.7%
Total records:	300	

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

1 Before activation	177	53.3%
2 During activation	112	33.7%
3 After activation	40	12.0%
4 Unknown	3	0.9%
Total records:	332	

**15. Location of the injury:**

1 Hand, right	305	32.5%
15 Hand, left	611	65.1%
30 Other	22	2.3%
Total records:	938	

**16. Was the injury?**

1 Superficial-little or no bleeding	732	75.7%
2 Moderate-skin punctured, some bleeding	231	23.9%
3 Severe-deep stick/cut, profuse bleeding	4	0.4%
Total records:	967	

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

1 Single pair of gloves	475	57.6%
2 Double pair of gloves	323	39.2%
3 No gloves	27	3.3%
Total records:	825	