

EPINet Report for Needlestick and Sharp Object Injuries

Reporting period: Jan 01, 2014 to Dec 31, 2014

Total rate: 24.7 per 100 ADC

Facility where incident occurred: ALL

Teaching rate: 27.2 per 100 ADC

Type of facility where occurred: ALL

Non-teaching rate: 20.4 per 100 ADC

3. Dept where incident occurred: ALL

ADC=Average Daily Census

4. Home/Employing dept: ALL

5. Job category: ALL

6. Where the injury occurred: ALL

7. Injured worker was original user: ALL

9. Was it contaminated? ALL

10. Original purpose of sharp item: ALL

11. How the injury occurred: ALL

12. Type of device: ALL

Device: ALL

17. Dominant hand of HCW: ALL

13. Was item a "safety design"? ALL

5. What is the job category of the injured worker?

1	Doctor (attending.staff) specialty	100	16.8%
2	Doctor (intern/resident/fellow) specialty	39	6.6%
3	Medical student	6	1.0%
4	Nurse	243	40.8%
5	Nursing student	2	0.3%
6	Respiratory therapist	8	1.3%
7	Surgery attendant	49	8.2%
8	Other attendant	5	0.8%
9	Phlebotomist/ Venipuncture/ IV team	31	5.2%
10	Clinical laboratory worker	5	0.8%
11	Technologist (non lab)	33	5.5%
14	Housekeeper	12	2.0%
15	Other, describe	55	9.2%
16	Paramedic	1	0.2%
18	C.N.A./H.H.A.	5	0.8%
20	Security	1	0.2%

Total records: 595

6. Where did the injury occur?

1	Patient room/ward	203	34.3%
2	Outside patient room	7	1.2%
3	Emergency department	36	6.1%
4	Intensive/Critical care unit	28	4.7%
5	Operating room/Recovery	207	35.0%
6	Outpatient clinic/Office	28	4.7%
8	Venipuncture center	1	0.2%
10	Procedure room	15	2.5%
11	Clinical laboratories	6	1.0%
13	Service/Utility area	2	0.3%

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14 Other, describe	45	7.6%
16 Labor and delivery room	12	2.0%
17 Home-care	2	0.3%
Total records:	592	

7. Was the source patient identifiable?

1 Yes	560	94.4%
2 No	21	3.5%
3 Unknown	8	1.3%
4 N/A	4	0.7%
Total records:	593	

8. Was the injured worker the original user of the sharp item?

1 Yes	428	73.0%
2 No	150	25.6%
3 Unknown	3	0.5%
4 N/A	5	0.9%
Total records:	586	

9. The sharp item was:

1 Contaminated	531	90.3%
2 Uncontaminated	22	3.7%
3 Unknown	35	6.0%
Total records:	588	

10. For what purpose was the sharp item originally used?

1 Unknown/not applicable	21	3.5%
2 Injection, intramuscular/subcutaneous	191	32.3%
4 Other injection into IV injection site or port	7	1.2%
5 To connect IV line	2	0.3%
6 To start IV or setup heparin lock	25	4.2%
7 To draw a venous blood sample	55	9.3%
8 To draw an arterial blood sample	14	2.4%
9 To obtain a body fluid or tissue sample	6	1.0%
10 Fingertick/heel stick	6	1.0%
11 Suturing	124	20.9%
12 Cutting	45	7.6%
13 Electrocautery	3	0.5%
15 Other, describe	79	13.3%
16 To place an arterial/central line	5	0.8%
17 Drilling	9	1.5%
Total records:	592	

11. Did the injury occur?

1 Before use of item	13	2.2%
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2 During use of item	299	50.4%
3 Between steps of a multi-step procedure	52	8.8%
4 Disassembling device or equipment	18	3.0%
5 In preparation for reuse of reusable instruments	8	1.3%
6 While recapping a used needle	19	3.2%
7 Withdrawing a needle from rubber or other resistance	2	0.3%
8 Other after use, before disposal	79	13.3%
10 While putting the item into the disposal container	21	3.5%
11 After disposal, stuck by item protruding from disposal container	3	0.5%
13 After disposal, item protruding from trash bag or inapp container	5	0.8%
14 Other, describe	47	7.9%
15 Restraining patient	2	0.3%
16 Device left on floor, table, bed or other inappropriate place	25	4.2%

Total records: 593

12. Which device caused the injury?

1 Disposable syringe	197	35.4%
2 Pre-filled cartridge syringe	10	1.8%
3 Blood gas syringe (ABG)	7	1.3%
4 Syringe, other type	2	0.4%
5 Needle on IV line	1	0.2%
6 Winged steel needle	16	2.9%
7 IV catheter stylet	10	1.8%
8 Vacuum tube blood collection holder/needle	11	2.0%
9 Spinal or epidural needle	1	0.2%
10 Unattached hypodermic needle	1	0.2%
12 Central line catheter introducer needle	2	0.4%
15 Other non-vascular catheter needle	2	0.4%
28 Needle, not sure what kind	12	2.2%
29 Other needle, describe	51	9.2%
30 Lancet	6	1.1%
31 Suture needle	123	22.1%
32 Scalpel, reusable	29	5.2%
33 Razor	2	0.4%
35 Scissors	5	0.9%
36 Electro-cautery device	2	0.4%
37 Bone cutter	3	0.5%
39 Towel clip	1	0.2%
40 Microtome blade	1	0.2%
41 Trocar	3	0.5%
45 Scalpel, disposable	7	1.3%
46 Retractors, skin/bone hooks	4	0.7%
47 Staples/Steel sutures	3	0.5%
48 Wire (suture, fixation, guide wire)	9	1.6%
50 Drill bit/Bur	4	0.7%
51 Pickups/Forceps/Hemostats/Clamps	3	0.5%

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59 Other sharp item, describe	28	5.0%
79 Other glass item, describe	1	0.2%
Total records:	557	

13. 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	235	42.3%
2 No	291	52.3%
3 Unknown	30	5.4%
Total records:	556	

13a. If yes, was safety mechanism activated?

1 Yes, fully	28	13.3%
2 Yes, partially	48	22.7%
3 No	135	64.0%
Total records:	211	

13b. If yes, did the injury happen?

1 Before activation	100	49.3%
2 During activation	62	30.5%
3 After activation	41	20.2%
Total records:	203	

14. Location of the injury:

Arm	15	2.6%
Face/Head	1	0.2%
Front	3	0.5%
Hand, left	361	62.1%
Hand, right	195	33.6%
Leg	6	1.0%
Total records:	581	

15. Was the injury?

1 Superficial-little or no bleeding	359	63.3%
2 Moderate-skin punctured, some bleeding	199	35.1%
3 Severe-deep stick/cut, profuse bleeding	9	1.6%
Total records:	567	

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

1 Single pair of gloves	363	66.1%
2 Double pair of gloves	147	26.8%
3 No gloves	39	7.1%
Total records:	549	

17. Dominant hand of the injured worker:

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1	Right-handed	509	91.5%
2	Left-handed	47	8.5%
Total records: 556			

19. For injured healthcare worker: If the sharp had no integral safety feature, do you have an opinion that such a feature could have prevented the injury?

1	Yes	45	9.6%
2	No	389	82.8%
3	Unknown	36	7.7%
Total records: 470			

20. For injured healthcare worker: Do you have an opinion that any other engineering control, administrative or work practice could have prevented the injury?

1	Yes	102	22.9%
2	No	318	71.5%
3	Unknown	25	5.6%
Total records: 445			