

EPINet Report for Needlestick and Sharp Object Injuries

Reporting period: Jan 01, 2015 to Dec 31, 2015

Total Records Read: 1133

- Facility where incident occurred: ALL
- Type of facility where occurred: ALL
- 3. Dept where incident occurred: ALL
- 4. Home/Employing department: ALL
- 5. Job category: ALL
- 6. Where the injury occurred: ALL
- 7. Injured worker was orig 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 item"? ALL

Total rate: 31.7 per 100 ADC
 Teaching rate: 38.5 per 100 ADC
 Non-teaching rate: 19.9 per 100 ADC
 ADC=Average Daily Census

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

1 Doctor (attending.staff) specialty	170	15.1%
2 Doctor (intern/resident/fellow) specialty	159	14.1%
3 Medical student	18	1.6%
4 Nurse	427	37.8%
5 Nursing student	6	0.5%
6 Respiratory therapist	12	1.1%
7 Surgery attendant	97	8.6%
8 Other attendant	40	3.5%
9 Phlebotomist/ Venipuncture/ IV team	38	3.4%
10 Clinical laboratory worker	10	0.9%
11 Technologist (non lab)	48	4.3%
14 Housekeeper	22	1.9%
15 Other, describe	39	3.5%
16 Paramedic	9	0.8%
17 Other student	9	0.8%
18 C.N.A./H.H.A.	23	2.0%
20 Security	2	0.2%
Total records:	1,129	

6. Where did the injury occur?

1 Patient room/ward	348	31.3%
2 Outside patient room	3	0.3%
3 Emergency department	83	7.5%
4 Intensive/Critical care unit	18	1.6%
5 Operating room/Recovery	491	44.1%
6 Outpatient clinic/Office	78	7.0%
10 Procedure room	5	0.4%
11 Clinical laboratories	23	2.1%
13 Service/Utility area	11	1.0%

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14 Other, describe	32	2.9%
16 Labor and delivery room	12	1.1%
17 Home-care	9	0.8%
Total records:	1,113	

7. Was the source patient identifiable?

1 Yes	1,018	93.7%
2 No	36	3.3%
3 Unknown	22	2.0%
4 N/A	10	0.9%
Total records:	1,086	

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

1 Yes	709	71.1%
2 No	238	23.9%
3 Unknown	33	3.3%
4 N/A	17	1.7%
Total records:	997	

9. The sharp item was:

1 Contaminated	1,011	92.0%
2 Uncontaminated	35	3.2%
3 Unknown	53	4.8%
Total records:	1,099	

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

1 Unknown/not applicable	31	3.0%
2 Injection, intramuscular/subcutaneous	254	24.3%
3 Heparin or saline flush	9	0.9%
4 Other injection into IV injection site or port	8	0.8%
5 To connect IV line	1	0.1%
6 To start IV or setup heparin lock	53	5.1%
7 To draw a venous blood sample	76	7.3%
8 To draw an arterial blood sample	22	2.1%
9 To obtain a body fluid or tissue sample	11	1.1%
10 Fingertick/heel stick	23	2.2%
11 Suturing	272	26.0%
12 Cutting	87	8.3%
13 Electrocautery	8	0.8%
14 To contain a specimen or pharmaceutical	2	0.2%
15 Other, describe	172	16.4%
16 To place an arterial/central line	12	1.1%
17 Drilling	6	0.6%
Total records:	1,047	

11. Did the injury occur?

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1 Before use of item	33	3.2%
2 During use of item	517	50.2%
3 Between steps of a multi-step procedure	89	8.6%
4 Disassembling device or equipment	22	2.1%
5 In preparation for reuse of reusable instruments	10	1.0%
6 While recapping a used needle	26	2.5%
7 Withdrawing a needle from rubber or other resistance	6	0.6%
8 Other after use, before disposal	132	12.8%
9 From item left on or near disposal container	2	0.2%
10 While putting the item into the disposal container	40	3.9%
11 After disposal, stuck by item protruding from disposal container	11	1.1%
12 Item pierced side of disposal container	2	0.2%
13 After disposal, item protruding from trash bag or inapp container	8	0.8%
14 Other, describe	94	9.1%
15 Restraining patient	7	0.7%
16 Device left on floor, table, bed or other inappropriate place	31	3.0%
Total records:	1,030	

12. Which device caused the injury?

1 Disposable syringe	235	21.3%
2 Pre-filled cartridge syringe	18	1.6%
3 Blood gas syringe (ABG)	10	0.9%
4 Syringe, other type	20	1.8%
5 Needle on IV line	3	0.3%
6 Winged steel needle	37	3.3%
7 IV catheter stylet	39	3.5%
8 Vacuum tube blood collection holder/needle	30	2.7%
9 Spinal or epidural needle	10	0.9%
10 Unattached hypodermic needle	4	0.4%
11 Arterial catheter introducer needle	3	0.3%
12 Central line catheter introducer needle	6	0.5%
13 Drum catheter needle	2	0.2%
14 Other vascular catheter needle	4	0.4%
15 Other non-vascular catheter needle	1	0.1%
28 Needle, not sure what kind	39	3.5%
29 Other needle, describe	98	8.9%
30 Lancet	21	1.9%
31 Suture needle	270	24.4%
32 Scalpel, reusable	34	3.1%
33 Razor	4	0.4%
34 Pipette (plastic)	1	0.1%
35 Scissors	13	1.2%
36 Electro-cautery device	8	0.7%
37 Bone cutter	1	0.1%
38 Bone chip	1	0.1%
40 Microtome blade	1	0.1%

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41 Trocar	3	0.3%
42 Vacuum tube (plastic)	1	0.1%
44 Fingernails/Teeth	1	0.1%
45 Scalpel, disposable	35	3.2%
46 Retractors, skin/bone hooks	12	1.1%
47 Staples/Steel sutures	10	0.9%
48 Wire (suture, fixation, guide wire)	17	1.5%
49 Pin (fixation, guide pin)	10	0.9%
50 Drill bit/Bur	6	0.5%
51 Pickups/Forceps/Hemostats/Clamps	4	0.4%
58 Sharp item, not sure what kind	14	1.3%
59 Other sharp item, describe	67	6.1%
60 Medication ampule	2	0.2%
63 Pipette, glass	1	0.1%
64 Vacuum tube, glass	1	0.1%
65 Specimen/Test tube, glass	2	0.2%
66 Capillary tube	1	0.1%
79 Other glass item, describe	5	0.5%

Total records: 1,105

12.1 Type of Disposable Needle Used

1- Insulin	47	20.0%
2- Tuberculin	22	9.4%
3- 24/25G needle	38	16.2%
4- 23G needle	39	16.6%
5- 22G needle	15	6.4%
6- 21G needle	11	4.7%
7- 20G needle	11	4.7%
8- Other	52	22.1%

Total records: 235

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	320	32.8%
2 No	541	55.5%
3 Unknown	114	11.7%

Total records: 975

13a. If yes, was safety mechanism activated?

1 Yes, fully	32	10.6%
2 Yes, partially	82	27.2%
3 No	169	56.0%
4 Unknown	19	6.3%

Total records: 302

13b. If yes, did the injury happen?

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1 Before activation	147	45.9%
2 During activation	95	29.7%
3 After activation	66	20.6%
4 Unknown	12	3.8%
Total records:	320	

14. Location of the injury:

Arm	29	2.9%
Foot	3	0.3%
Front	3	0.3%
Hand, left	621	62.6%
Hand, right	329	33.2%
Leg	7	0.7%
Total records:	992	

15. Was the injury?

1 Superficial-little or no bleeding	527	54.6%
2 Moderate-skin punctured, some bleeding	427	44.2%
3 Severe-deep stick/cut, profuse bleeding	11	1.1%
Total records:	965	

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

1 Single pair of gloves	611	64.2%
2 Double pair of gloves	270	28.4%
3 No gloves	70	7.4%
Total records:	951	

17. Dominant hand of the injured worker:

1 Right-handed	673	91.7%
2 Left-handed	61	8.3%
Total records:	734	

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	13	4.2%
2 No	251	81.2%
3 Unknown	45	14.6%
Total records:	309	

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	333	48.7%
2 No	309	45.2%
3 Unknown	42	6.1%

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Total records: 684

Is this incident OSHA reportable?

	OSHA	Days:	Restricted
1 Yes	302		
2 No	311	5	50
Total records:			613

Does this incident meet the FDA medical device reporting criteria?

1 Yes	12	4.8%
2 No	220	88.4%
3 Unknown	17	6.8%
Total records:		249