EPINet Report for Needlestick and Sharp Object Injuries

Reporting period: Jan 01, 2013 to Dec 31, 2013
Facility where incident occurred: ALL
Type of facility where occurred: ALL
3. Dept where incident occurred: ALL
4. Home/Employing dept: 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 design"? ALL

Total rate: 21.37 per 100 ADC
Teaching rate: 22.91 per 100 ADC
Non-teaching rate: 18.74 per 100 ADC
ADC=Average Daily Census

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

1	Doctor (attending.staff) specialty	83	16.3%
2	Doctor (intern/resident/fellow) specialty	43	8.5%
3	Medical student	3	0.6%
4	Nurse	184	36.2%
5	Nursing student	7	1.4%
6	Respiratory therapist	6	1.2%
7	Surgery attendant	45	8.9%
8	Other attendant	3	0.6%
9	Phlebotomist/ Venipuncture/ IV team	26	5.1%
10	Clinical laboratory worker	3	0.6%
11	Technologist (non lab)	22	4.3%
14	Housekeeper	12	2.4%
15	Other, describe	61	12.0%
16	Paramedic	4	0.8%
17	Other student	1	0.2%
18	C.N.A./H.H.A.	4	0.8%
20	Security	1	0.2%

Total records: 508

6. Where did the injury occur?

1	Patient room/ward	145	28.5%
2	Outside patient room	3	0.6%
3	Emergency department	33	6.5%
4	Intensive/Critical care unit	25	4.9%
5	Operating room/Recovery	187	36.8%
6	Outpatient clinic/Office	44	8.7%
8	Venipuncture center	4	0.8%
10	Procedure room	12	2.4%
11	Clinical laboratories	1	0.2%

13 Service/Utility area	1	0.2%
14 Other, describe	42	8.3%
16 Labor and delivery room	8	1.6%
17 Home-care	3	0.6%
Total records: 508		

7. Was the source patient identifiable?

1 Yes	486	95.5%
2 No	16	3.1%
3 Unknown	7	1.4%
Total records: 509		

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

1 Yes	343	68.2%
2 No	147	29.2%
3 Unknown	7	1.4%
4 N/A	6	1.2%
Total records: 503		

9. The sharp item was:

1 Contaminated	457	92.3%
2 Uncontaminated	16	3.2%
3 Unknown	22	4.4%
Total records: 495		

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

1 Unknown/not applicable	10	2.0%
2 Injection, intramuscular/subcutaneous	147	29.0%
3 Heparin or saline flush	3	0.6%
4 Other injection into IV injection site or port	2	0.4%
6 To start IV or setup heparin lock	24	4.7%
7 To draw a venous blood sample	61	12.0%
8 To draw an arterial blood sample	9	1.8%
9 To obtain a body fluid or tissue sample	8	1.6%
10 Fingerstick/heel stick	9	1.8%
11 Suturing	123	24.3%
12 Cutting	29	5.7%
13 Electrocautery	2	0.4%
14 To contain a specimen or pharmaceutical	1	0.2%
15 Other, describe	67	13.2%
16 To place an arterial/central line	5	1.0%
17 Drilling	7	1.4%
Total records: 507		

11. Did the injury occur?

1 Before use of item	10	2.0%

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2 During use of item	247	48.6%
3 Between steps of a multi-step procedure	49	9.6%
4 Disassembling device or equipment	13	2.6%
5 In preparation for reuse of reusable instruments	4	0.8%
6 While recapping a used needle	14	2.8%
7 Withdrawing a needle from rubber or other resistance	2	0.4%
8 Other after use, before disposal	51	10.0%
9 From item left on or near disposal container	1	0.2%
10 While putting the item into the disposal container	18	3.5%
11 After disposal, stuck by item protruding from disposal container	3	0.6%
13 After disposal, item protruding from trash bag or inapp container	6	1.2%
14 Other, describe	71	14.0%
15 Restraining patient	1	0.2%
16 Device left on floor, table, bed or other inappropriate place	18	3.5%

Total records: 508

12. Which device caused the injury?

1 Disposable syringe	121	31.7%
2 Pre-filled cartridge syringe	7	1.8%
3 Blood gas syringe (ABG)	4	1.0%
4 Syringe, other type	6	1.6%
5 Needle on IV line	1	0.3%
6 Winged steel needle	13	3.4%
7 IV catheter stylet	8	2.1%
8 Vacuum tube blood collection holder/needle	9	2.4%
9 Spinal or epidural needle	1	0.3%
12 Central line catheter introducer needle	2	0.5%
14 Other vascular catheter needle	1	0.3%
28 Needle, not sure what kind	7	1.8%
29 Other needle, describe	57	14.9%
30 Lancet	9	2.4%
31 Suture needle	66	17.3%
32 Scalpel, reusable	10	2.6%
33 Razor	1	0.3%
35 Scissors	3	0.8%
37 Bone cutter	3	0.8%
41 Trocar	3	0.8%
44 Fingernails/Teeth	1	0.3%
45 Scalpel, disposable	5	1.3%
46 Retractors, skin/bone hooks	6	1.6%
47 Staples/Steel sutures	1	0.3%
48 Wire (suture, fixation, guide wire)	7	1.8%
49 Pin (fixation, guide pin)	3	0.8%
50 Drill bit/Bur	2	0.5%
51 Pickups/Forceps/Hemostats/Clamps	2	0.5%
58 Sharp item, not sure what kind	1	0.3%

59 Other sharp item, describe	19	5.0%
65 Specimen/Test tube, glass	1	0.3%
79 Other glass item, describe	2	0.5%

Total records: 382

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	194	41.6%
2 No	250	53.6%
3 Unknown	22	4.7%

Total records: 466

13a. If yes, was safety mechanism activated?

1 Yes, fully	20	11.6%
2 Yes, partially	30	17.4%
3 No	122	70.9%

Total records: 172

13b. If yes, did the injury happen?

1 Before activation	92	56.8%
2 During activation	49	30.2%
3 After activation	21	13.0%

Total records: 162

14. Location of the injury:

Arm	16	3.2%
Face/Head	2	0.4%
Foot	2	0.4%
Hand, left	297	59.2%
Hand, right	176	35.1%
Leg	9	1.8%

Total records: 502

15. Was the injury?

1 Superficial-little or no bleeding	340	67.9%
2 Moderate-skin punctured, some bleeding	152	30.3%
3 Severe-deep stick/cut, profuse bleeding	9	1.8%

Total records: 501

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

1 Single pair of gloves	319	65.4%
2 Double pair of gloves	140	28.7%
3 No gloves	29	5.9%

Total records: 488

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17. Dominant hand of the injured worker:

1	Right-handed	435	88.6%
2	Left-handed	56	11.4%

Total records: 491

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	28	6.7%
2	No	354	84.9%
3	Unknown	35	8.4%

Total records: 417

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	82	19.3%
2	No	312	73.6%
3	Unknown	30	7.1%

Total records: 424