

EPINet Report for Needlestick and Sharp Object Injuries



Reporting period: Jan 01, 2016 to Dec 31, 2016

Total Records Read: 1180

Facility where incident occurred: ALL

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 prophyaxis provided? ALL

Total rate: 33.7 per 100 ADC

Teaching rate: 39.5 per 100 ADC

Non-teaching rate: 21.73 per 100 ADC

ADC=Average Daily Census

26 hospitals

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

1 Doctor (attending.staff) specialty	194	16.6%
2 Doctor (intern/resident/fellow) specialty	208	17.8%
3 Medical student	14	1.2%
4 Nurse	391	33.4%
5 Nursing student	5	0.4%
6 Respiratory therapist	10	0.9%
7 Surgery attendant	130	11.1%
8 Other attendant	38	3.2%
9 Phlebotomist/ Venipuncture	26	2.2%
10 Clinical laboratory worker	14	1.2%
11 Technologist (non lab)	42	3.6%
14 EVS/Housekeeper	19	1.6%
15 Other, describe	55	4.7%
16 EMT/Paramedic/ First Responder	4	0.3%
17 Other student	5	0.4%
18 C.N.A./H.H.A.	16	1.4%

Total records: 1,171

4a. Type of nurse:

1 RN	345	88.2%
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2 LPN/LVN	18	4.6%
3 NP	14	3.6%
4 CRNA	13	3.3%
5 Midwife	1	0.3%
Total records:	391	

5. Where did the injury occur?

1 Patient room/ward	314	27.0%
2 Outside patient room	10	0.9%
3 Emergency department	83	7.1%
4 Intensive/Critical care unit	21	1.8%
5 Operating room/Recovery	541	46.6%
6 Outpatient clinic/Office	93	8.0%
8 Venipuncture center	1	0.1%
10 Procedure room	16	1.4%
11 Clinical laboratories	17	1.5%
12 Autopsy/Pathology	2	0.2%
13 Service/Utility area	15	1.3%
14 Other, describe	31	2.7%
16 Labor and delivery room	12	1.0%
17 Home-care	5	0.4%
Total records:	1,161	

6. Was the source patient identifiable?

1 Yes	1,022	90.7%
2 No	44	3.9%
3 Unknown	44	3.9%
4 N/A	17	1.5%
Total records:	1,127	

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

1 Yes	753	69.9%
2 No	276	25.6%
3 Unknown	25	2.3%
4 N/A	23	2.1%
Total records:	1,077	

8. The sharp item was:

1 Contaminated	1,057	90.5%
2 Uncontaminated	45	3.9%
3 Unknown	66	5.7%
Total records:	1,168	

8a. Was blood visible on the device?

1 Yes	548	52.0%
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2 No	180	17.1%
3 Unknown	325	30.9%
Total records:	1,053	

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

1 Unknown/not applicable	27	2.5%
2 Injection, intramuscular/subcutaneous	273	25.7%
3 Heparin or saline flush	5	0.5%
4 Other injection into IV injection site or port	10	0.9%
5 To connect IV line	3	0.3%
6 To start IV or setup heparin lock	32	3.0%
7 To draw a venous blood sample	72	6.8%
8 To draw an arterial blood sample	16	1.5%
9 To obtain a body fluid or tissue sample	19	1.8%
10 Fingerstick/heel stick	15	1.4%
11 Suturing	274	25.8%
12 Cutting	93	8.8%
13 Electrocautery	10	0.9%
14 To contain a specimen or pharmaceutical	4	0.4%
15 Other, describe	178	16.8%
16 To place an arterial/central line	20	1.9%
17 Drilling	11	1.0%
Total records:	1,062	

10. When did the injury occur?

1 Before use of item	15	1.4%
2 During use of item	546	52.1%
3 Between steps of a multi-step procedure	145	13.8%
4 After use, while disassembling device or equipment	15	1.4%
5 In preparation for reuse of reusable instruments	11	1.1%
6 After use, while recapping a used needle	27	2.6%
7 While withdrawing a needle from rubber or other resistance	7	0.7%
8 Other after use, before disposal	114	10.9%
9 After use, from item left on or near disposal container	2	0.2%
10 During disposal, while putting the item into the disposal container	35	3.3%
11 During disposal, stuck by item protruding from disposal container	13	1.2%
13 After disposal, item protruding from trash bag or inapp container	18	1.7%
14 Other, describe	77	7.4%
16 After use, device left on floor, table, bed or other inappropriate	22	2.1%
Total records:	1,047	

11. Which device caused the injury?

1 Disposable syringe	301	26.5%
2 Pre-filled cartridge syringe	17	1.5%
3 Blood gas syringe (ABG)	11	1.0%
4 Syringe, other type	30	2.6%

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6	Winged steel needle	26	2.3%
7	IV catheter stylet	33	2.9%
8	Vacuum tube blood collection holder/needle	22	1.9%
9	Spinal or epidural needle	2	0.2%
10	Unattached hypodermic needle	2	0.2%
11	Arterial catheter introducer needle	6	0.5%
12	Central line catheter introducer needle	6	0.5%
13	Drum catheter needle	3	0.3%
14	Other vascular catheter needle	6	0.5%
15	Other non-vascular catheter needle	2	0.2%
28	Needle, not sure what kind	20	1.8%
29	Other needle, describe	75	6.6%
30	Lancet	12	1.1%
31	Suture needle	279	24.6%
32	Scalpel, reusable	23	2.0%
33	Razor	4	0.4%
35	Scissors	16	1.4%
36	Electro-cautery device	10	0.9%
37	Bone cutter	1	0.1%
38	Bone chip	1	0.1%
39	Towel clip	3	0.3%
40	Microtome blade	1	0.1%
41	Trocar	7	0.6%
45	Scalpel, disposable	42	3.7%
46	Retractors, skin/bone hooks	16	1.4%
47	Staples/Steel sutures	10	0.9%
48	Wire (suture, fixation, guide wire)	20	1.8%
49	Pin (fixation, guide pin)	5	0.4%
50	Drill bit/Bur	9	0.8%
51	Pickups/Forceps/Hemostats/Clamps	9	0.8%
58	Sharp item, not sure what kind	5	0.4%
59	Other sharp item, describe	90	7.9%
60	Medication ampule	4	0.4%
65	Specimen/Test tube, glass	1	0.1%
78	Glass item, not sure what kind	1	0.1%
79	Other glass item, describe	4	0.4%

Total records: 1,135

11a. Type of disposable needle used:

1	Insulin	55	18.3%
2	Tuberculin	23	7.7%
3	24/25G needle	60	20.0%
4	23G needle	27	9.0%
5	22G needle	16	5.3%
6	21G needle	16	5.3%
7	20G needle	7	2.3%

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8 Other	96	32.0%
Total records: 300		

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	294	30.2%
2 No	541	55.5%
3 Unknown	140	14.4%
Total records: 975		

12a. If yes, was safety mechanism activated?

1 Yes, fully	31	10.7%
2 Yes, partially	67	23.1%
3 No	174	60.0%
4 Unknown	18	6.2%
Total records: 290		

12b. If yes, did the injury happen?

1 Before activation	124	43.1%
2 During activation	95	33.0%
3 After activation	52	18.1%
4 Unknown	17	5.9%
Total records: 288		

15. Location of the injury:

1 Hand, right	367	35.9%
15 Hand, left	631	61.8%
30 Other	23	2.3%
Total records: 1,021		

16. Was the injury?

1 Superficial-little or no bleeding	672	72.8%
2 Moderate-skin punctured, some bleeding	240	26.0%
3 Severe-deep stick/cut, profuse bleeding	11	1.2%
Total records: 923		

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

1 Single pair of gloves	576	64.0%
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2 Double pair of gloves	280	31.1%
3 No gloves	44	4.9%
Total records: 900		

18. Dominant hand of the injured worker:

1 Right-handed	648	91.3%
2 Left-handed	62	8.7%
Total records: 710		