

EPINet Report for Needlestick and Sharp Object Injuries



Reporting period: Jan 01, 2017 to Dec 31, 2017

Total Records Read: 1329

- 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 prophylaxis provided? ALL

Total rate: 33.8 per 100 ADC
 Teaching rate: 36.8 per 100 ADC
 Non-teaching rate: 24.4 per 100 ADC
 ADC is Average Daily Census
 31 hospitals

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

1	Doctor (attending.staff) specialty	181	13.8%
2	Doctor (intern/resident/fellow) specialty	239	18.2%
3	Medical student	23	1.7%
4	Nurse	433	32.9%
5	Nursing student	6	0.5%
6	Respiratory therapist	12	0.9%
7	Surgery attendant	166	12.6%
8	Other attendant	35	2.7%
9	Phlebotomist/ Venipuncture	35	2.7%
10	Clinical laboratory worker	21	1.6%
11	Technologist (non lab)	55	4.2%
14	EVS/Housekeeper	22	1.7%
15	Other, describe	58	4.4%
16	EMT/Paramedic/ First Responder	2	0.2%
17	Other student	8	0.6%
18	C.N.A./H.H.A.	17	1.3%
20	Security	2	0.2%

Total records: 1,315

4a. Type of nurse:

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1 RN	392	90.5%
2 LPN/LVN	9	2.1%
3 NP	13	3.0%
4 CRNA	19	4.4%
Total records:	433	

5. Where did the injury occur?

1 Patient room/ward	352	26.7%
2 Outside patient room	3	0.2%
3 Emergency department	82	6.2%
4 Intensive/Critical care unit	52	3.9%
5 Operating room/Recovery	633	48.0%
6 Outpatient clinic/Office	88	6.7%
10 Procedure room	14	1.1%
11 Clinical laboratories	24	1.8%
12 Autopsy/Pathology	1	0.1%
13 Service/Utility area	19	1.4%
14 Other, describe	30	2.3%
16 Labor and delivery room	17	1.3%
17 Home-care	3	0.2%
Total records:	1,318	

6. Was the source patient identifiable?

1 Yes	1,189	92.5%
2 No	44	3.4%
3 Unknown	36	2.8%
4 N/A	16	1.2%
Total records:	1,285	

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

1 Yes	788	65.1%
2 No	360	29.8%
3 Unknown	35	2.9%
4 N/A	27	2.2%
Total records:	1,210	

8. The sharp item was:

1 Contaminated	1,207	91.2%
2 Uncontaminated	37	2.8%
3 Unknown	80	6.0%
Total records:	1,324	

8a. Was blood visible on the device?

1 Yes	664	55.7%
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2 No	172	14.4%
3 Unknown	357	29.9%
Total records:	1,193	

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

1 Unknown/not applicable	29	2.4%
2 Injection, intramuscular/subcutaneous	300	24.6%
3 Heparin or saline flush	7	0.6%
4 Other injection into IV injection site or port	7	0.6%
5 To connect IV line	5	0.4%
6 To start IV or setup heparin lock	29	2.4%
7 To draw a venous blood sample	77	6.3%
8 To draw an arterial blood sample	26	2.1%
9 To obtain a body fluid or tissue sample	17	1.4%
10 Fingerstick/heel stick	15	1.2%
11 Suturing	345	28.3%
12 Cutting	100	8.2%
13 Electrocautery	10	0.8%
14 To contain a specimen or pharmaceutical	1	0.1%
15 Other, describe	214	17.5%
16 To place an arterial/central line	17	1.4%
17 Drilling	22	1.8%
Total records:	1,221	

10. When did the injury occur?

1 Before use of item	17	1.4%
2 During use of item	627	51.8%
3 Between steps of a multi-step procedure	156	12.9%
4 After use, while disassembling device or equipment	24	2.0%
5 In preparation for reuse of reusable instruments	27	2.2%
6 After use, while recapping a used needle	38	3.1%
7 While withdrawing a needle from rubber or other resistance	5	0.4%
8 Other after use, before disposal	124	10.2%
9 After use, from item left on or near disposal container	3	0.2%
10 During disposal, while putting the item into the disposal container	24	2.0%
11 During disposal, stuck by item protruding from disposal container	11	0.9%
13 After disposal, item protruding from trash bag or inapp container	12	1.0%
14 Other, describe	104	8.6%
15 While restraining patient	6	0.5%
16 After use, device left on floor, table, bed or other inappropriate	32	2.6%
Total records:	1,210	

11. Which device caused the injury?

1 Disposable syringe	319	24.5%
2 Pre-filled cartridge syringe	16	1.2%
3 Blood gas syringe (ABG)	12	0.9%

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4	Syringe, other type	15	1.2%
5	Needle on IV line	6	0.5%
6	Winged steel needle	27	2.1%
7	IV catheter stylet	25	1.9%
8	Vacuum tube blood collection holder/needle	34	2.6%
9	Spinal or epidural needle	9	0.7%
10	Unattached hypodermic needle	4	0.3%
11	Arterial catheter introducer needle	6	0.5%
12	Central line catheter introducer needle	5	0.4%
13	Drum catheter needle	3	0.2%
14	Other vascular catheter needle	13	1.0%
15	Other non-vascular catheter needle	4	0.3%
28	Needle, not sure what kind	27	2.1%
29	Other needle, describe	92	7.1%
30	Lancet	10	0.8%
31	Suture needle	340	26.1%
32	Scalpel, reusable	30	2.3%
33	Razor	4	0.3%
35	Scissors	12	0.9%
36	Electro-cautery device	14	1.1%
37	Bone cutter	4	0.3%
38	Bone chip	1	0.1%
39	Towel clip	4	0.3%
40	Microtome blade	5	0.4%
41	Trocar	11	0.8%
45	Scalpel, disposable	61	4.7%
46	Retractors, skin/bone hooks	23	1.8%
47	Staples/Steel sutures	4	0.3%
48	Wire (suture, fixation, guide wire)	23	1.8%
49	Pin (fixation, guide pin)	7	0.5%
50	Drill bit/Bur	17	1.3%
51	Pickups/Forceps/Hemostats/Clamps	11	0.8%
58	Sharp item, not sure what kind	3	0.2%
59	Other sharp item, describe	91	7.0%
60	Medication ampule	1	0.1%
64	Vacuum tube, glass	1	0.1%
67	Glass slide	1	0.1%
79	Other glass item, describe	7	0.5%

Total records: 1,302

11a. Type of disposable needle used:

1	Insulin	85	27.2%
2	Tuberculin	34	10.9%
3	24/25G needle	65	20.8%
4	23G needle	26	8.3%
5	22G needle	16	5.1%

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6	21G needle	9	2.9%
7	20G needle	8	2.6%
8	Other	69	22.1%

Total records: 312

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	350	31.4%
2	No	687	61.7%
3	Unknown	76	6.8%

Total records: 1,113

12a. If yes, was safety mechanism activated?

1	Yes, fully	23	6.7%
2	Yes, partially	79	23.0%
3	No	228	66.5%
4	Unknown	13	3.8%

Total records: 343

12b. If yes, did the injury happen?

1	Before activation	167	49.0%
2	During activation	101	29.6%
3	After activation	66	19.4%
4	Unknown	7	2.1%

Total records: 341

15. Location of the injury:

1	Hand, right	378	31.8%
15	Hand, left	754	63.4%
30	Other	58	4.9%

Total records: 1,190

16. Was the injury?

1	Superficial-little or no bleeding	733	71.1%
2	Moderate-skin punctured, some bleeding	285	27.6%
3	Severe-deep stick/cut, profuse bleeding	13	1.3%

Total records: 1,031

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

1 Single pair of gloves	638	65.0%
2 Double pair of gloves	300	30.6%
3 No gloves	43	4.4%
Total records: 981		

18. Dominant hand of the injured worker:

1 Right-handed	543	91.6%
2 Left-handed	50	8.4%
Total records: 593		