

EPINet Report for Needlestick and Sharp Object Injuries



Reporting period: Jan 01, 2019 to Dec 31, 2019

Total Records Read: 1335

- 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
- 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 26.3 per 100 ADC
 Teaching rate: 26.4 per 100 ADC
 Non-teaching rate: 26.0 per 100 ADC
 ADC is Average Daily Census
 36 hospitals

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

1 Doctor (attending.staff) specialty	194	14.7%
2 Doctor (intern/resident/fellow) specialty	174	13.1%
3 Medical student	15	1.1%
4 Nurse	483	36.5%
5 Nursing student	3	0.2%
6 Respiratory therapist	17	1.3%
7 Surgery attendant	167	12.6%
8 Other attendant	48	3.6%
9 Phlebotomist/ Venipuncture	49	3.7%
10 Clinical laboratory worker	14	1.1%
11 Technologist (non lab)	61	4.6%
12 Dentist	1	0.1%
14 EVS/Housekeeper	24	1.8%
15 Other, describe	42	3.2%
16 EMT/Paramedic/ First Responder	3	0.2%
17 Other student	7	0.5%
18 C.N.A./H.H.A.	18	1.4%
20 Security	4	0.3%

Total records: 1,324

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5. Where did the injury occur?

1 Patient room/ward	341	26.0%
2 Outside patient room	7	0.5%
3 Emergency department	116	8.8%
4 Intensive/Critical care unit	38	2.9%
5 Operating room/Recovery	547	41.7%
6 Outpatient clinic/Office	96	7.3%
10 Procedure room	72	5.5%
11 Clinical laboratories	23	1.8%
12 Autopsy/Pathology	3	0.2%
13 Service/Utility area	32	2.4%
14 Other, describe	20	1.5%
16 Labor and delivery room	12	0.9%
17 Home-care	6	0.5%
Total records:	1,313	

6. Was the source patient identifiable?

1 Yes	1,172	87.9%
2 No	38	2.9%
3 Unknown	70	5.3%
4 N/A	53	4.0%
Total records:	1,333	

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

1 Yes	532	68.2%
2 No	190	24.4%
3 Unknown	23	2.9%
4 N/A	35	4.5%
Total records:	780	

8. The sharp item was:

1 Contaminated	1,137	86.3%
2 Uncontaminated	89	6.8%
3 Unknown	91	6.9%
Total records:	1,317	

8a. Was blood visible on the device?

1 Yes	671	60.1%
2 No	123	11.0%
3 Unknown	322	28.9%
Total records:	1,116	

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

1	Unknown/not applicable	24	3.1%
2	Injection, intramuscular/subcutaneous	202	25.8%
3	Heparin or saline flush	1	0.1%
4	Other injection into IV injection site or port	9	1.1%
5	To connect IV line	6	0.8%
6	To start IV or setup heparin lock	27	3.4%
7	To draw a venous blood sample	51	6.5%
8	To draw an arterial blood sample	16	2.0%
9	To obtain a body fluid or tissue sample	20	2.6%
10	Fingerstick/heel stick	14	1.8%
11	Suturing	220	28.1%
12	Cutting	50	6.4%
13	Electrocautery	11	1.4%
14	To contain a specimen or pharmaceutical	2	0.3%
15	Other, describe	103	13.1%
16	To place an arterial/central line	14	1.8%
17	Drilling	14	1.8%
Total records:		784	

10. When did the injury occur?

1	Before use of item	16	2.1%
2	During use of item	391	51.7%
3	Between steps of a multi-step procedure	75	9.9%
4	After use, while disassembling device or equipment	15	2.0%
5	In preparation for reuse of reusable instruments	14	1.8%
6	After use, while recapping a used needle	20	2.6%
7	While withdrawing a needle from rubber or other resistance	2	0.3%
8	Other after use, before disposal	111	14.7%
10	During disposal, while putting the item into the disposal container	14	1.8%
11	During disposal, stuck by item protruding from disposal container	11	1.5%
13	After disposal, item protruding from trash bag or inapp container	10	1.3%
14	Other, describe	51	6.7%
16	After use, device left on floor, table, bed or other inappropriate	27	3.6%
Total records:		757	

11. Which device caused the injury?

1	Disposable syringe	252	19.5%
2	Pre-filled cartridge syringe	26	2.0%
3	Blood gas syringe (ABG)	18	1.4%
4	Syringe, other type	37	2.9%
5	Needle on IV line	9	0.7%
6	Winged steel needle	36	2.8%
7	IV catheter stylet	42	3.3%
8	Vacuum tube blood collection holder/needle	26	2.0%
9	Spinal or epidural needle	5	0.4%
10	Unattached hypodermic needle	6	0.5%

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11	Arterial catheter introducer needle	10	0.8%
12	Central line catheter introducer needle	7	0.5%
13	Drum catheter needle	1	0.1%
14	Other vascular catheter needle	8	0.6%
16	Huber-type needle	3	0.2%
17	Pen Needle	3	0.2%
28	Needle, not sure what kind	91	7.1%
29	Other needle, describe	104	8.1%
30	Lancet	13	1.0%
31	Suture needle	303	23.5%
32	Scalpel, reusable	13	1.0%
33	Razor	5	0.4%
35	Scissors	19	1.5%
36	Electro-cautery device	16	1.2%
37	Bone cutter	1	0.1%
39	Towel clip	6	0.5%
40	Microtome blade	2	0.2%
41	Trocar	10	0.8%
45	Scalpel, disposable	43	3.3%
46	Retractors, skin/bone hooks	7	0.5%
47	Staples/Steel sutures	5	0.4%
48	Wire (suture, fixation, guide wire)	30	2.3%
49	Pin (fixation, guide pin)	8	0.6%
50	Drill bit/Bur	15	1.2%
51	Pickups/Forceps/Hemostats/Clamps	7	0.5%
58	Sharp item, not sure what kind	17	1.3%
59	Other sharp item, describe	73	5.7%
61	Medication vial	1	0.1%
64	Vacuum tube, glass	1	0.1%
66	Capillary tube	2	0.2%
68	Automobile glass/windshield	4	0.3%
78	Glass item, not sure what kind	3	0.2%
79	Other glass item, describe	2	0.2%

Total records: 1,290

11a. Type of disposable needle used:

1	Insulin	44	17.7%
2	Tuberculin	40	16.1%
3	24/25G needle	47	18.9%
4	23G needle	28	11.2%
5	22G needle	11	4.4%
6	21G needle	6	2.4%
7	20G needle	7	2.8%
8	Other	66	26.5%

Total records: 249

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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	217	52.2%
2 No	164	39.4%
3 Unknown	35	8.4%
Total records:	416	

12a. If yes, was safety mechanism activated?

1 Yes, fully	13	6.4%
2 Yes, partially	40	19.6%
3 No	146	71.6%
4 Unknown	5	2.5%
Total records:	204	

12b. If yes, did the injury happen?

1 Before activation	106	52.0%
2 During activation	62	30.4%
3 After activation	32	15.7%
4 Unknown	4	2.0%
Total records:	204	

12c. Safety mechanism type:

6 Other	1	100.0%
Total records:	1	

15. Location of the injury:

1 Hand, right	234	31.2%
15 Hand, left	484	64.4%
30 Other	33	4.4%
Total records:	751	

16. Was the injury?

1 Superficial-little or no bleeding	578	80.4%
2 Moderate-skin punctured, some bleeding	138	19.2%
3 Severe-deep stick/cut, profuse bleeding	3	0.4%
Total records:	719	

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

1 Single pair of gloves	428	61.3%
2 Double pair of gloves	247	35.4%
3 No gloves	23	3.3%
Total records:	698	

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18. Dominant hand of the injured worker:

1 Right-handed	591	91.3%
2 Left-handed	56	8.7%
Total records: 647		