

29.2 per 100 ADC

34.4 per 100 ADC

18.4 per 100 ADC

**Number of Reporting Facilities:** 

Non-teaching:

[ADC is Average Daily Census]

Teaching:

Total Rate/Ratio:

### 2022 EPINet Report for Needlestick and Sharp Object Injuries

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

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

1 Doctor (attending.staff) specialty	271	17.2%
2 Doctor (intern/resident/fellow) specialty	149	9.5%
3 Medical student	22	1.4%
4 Nurse	639	40.6%
5 Nursing student	17	1.1%
6 Respiratory therapist	14	0.9%
7 Surgery attendant	128	8.1%
8 Other attendant	44	2.8%
9 Phlebotomist/ Venipuncture	50	3.2%
10 Clinical laboratory worker	18	1.1%
11 Technologist (non lab)	115	7.3%
12 Dentist	1	0.1%
14 EVS/Housekeeper	31	2.0%
15 Other, describe	32	2.0%
16 EMT/Paramedic/ First Responder	13	0.8%
17 Other student	1	0.1%
18 C.N.A./H.H.A.	25	1.6%
19 Laundry worker	2	0.1%
22 Physician's assistant	3	0.2%
Total records: 1,575		

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5. Where did the injury occur?		
1 Patient room/ward	434	26.5%
2 Outside patient room	6	0.4%
3 Emergency department	139	8.5%
4 Intensive/Critical care unit	45	2.7%
5 Operating room/Recovery	663	40.4%
6 Outpatient clinic/Office	87	5.3%
8 Venipuncture center	1	0.1%
10 Procedure room	69	4.2%
11 Clinical laboratories	31	1.9%
12 Autopsy/Pathology	2	0.1%
13 Service/Utility area	27	1.6%
14 Other, describe	114	7.0%
16 Labor and delivery room	19	1.2%
17 Homecare	3	0.2%
Total records: 1,640		
6. Was the source patient identifiable?		
1 Yes	1,425	90.6%
2 No	46	2.9%
3 Unknown	53	3.4%
4 N/A	48	3.1%
Total records: 1,572		•
7. Was the injured worker the original user of the sharp item?		
1 Yes	911	71.8%
2 No	315	24.8%
3 Unknown	21	1.7%
4 N/A	21	1.7%
Total records: 1,268		11,70
8. The sharp item was:		
1 Contaminated	1,450	88.1%
2 Uncontaminated	71	4.3%
3 Unknown	125	7.6%
Total records: 1,646	123	7.070
8a. Was blood visible on the device?		
1 Yes	943	70.7%
2 No	117	8.8%
3 Unknown	273	20.5%
Total records: 1,333		



1 Unknown/not applicable	9. For what purpose was the sharp item originally used?		
2   njection, intramuscular/subcutaneous   323   25,4%   3   Heparin or saline flush   2   0,22%   4   Other injection into IV injection site or port   11   0,9%   5   To connect IV line   4   0,3%   6   To start IV or setup heparin lock   47   3,7%   7   To draw a venous blood sample   83   6,5%   8   To draw an arterial blood sample   12   0,9%   9   To obtain a body fluid or tissue sample   23   1,8%   10   Fingerstick/heel stick   7   0,6%   11   Suturing   351   27,6%   12   Curting   92   7,2%   13   Electrocautery   7   0,6%   14   To contain a specimen or pharmaceutical   3   0,2%   15   Other, describe   223   17,5%   15   Other, describe   21   1,7%   17   To filing   9   0,7%   17   To filing   9   0,7%   18   Fore use of item   27   2,2%   2,2%   2,2%   2,2%   3   1,25%   3	1 Unknown/not applicable	53	4.2%
3 Heparin or saline flush         2         0.2%           4 Other injection into IV injection site or port         11         0.9%           5 To connect IV line         4         0.3%           6 To start IV or setup heparin lock         47         3.7%           7 To draw a venous blood sample         12         0.9%           8 To draw an arterial blood sample         12         0.9%           9 To obtain a body fluid or tissue sample         12         0.9%           10 Fingerstick/heel stick         7         0.6%           11 Suturing         351         22.6%           12 Cutting         92         7.2%           13 Electrocautery         7         0.6%           14 To contain a specimen or pharmaceutical         3         0.2%           15 Other, describe         223         17.5%           16 To place an arterial/central line         21         1.75%           15 Other, describe         22         1.75%           16 To place an arterial/central line         21         1.75%           15 Other, describe         22         1.75%           16 To place an arterial/central line         21         1.75%           17 Drilling         9         0.75%           18 Tot			
4 Other injection into IV injection site or port         11         0.9%           5 To connect IV line         4         0.3%           6 To start IV or setup heparin lock         47         3.7%           7 To draw avenous blood sample         83         6.5%           8 To draw an arterial blood sample         12         0.9%           9 To obtain a body fluid or tissue sample         23         1.8%           10 Fingerstick/heef stick         7         0.6%           11 Suturing         351         2.7.6%           12 Cutting         92         7.2%           13 Electrocautery         7         0.6%           14 To contain a specimen or pharmaceutical         3         0.2%           15 Other, describe         23         17.5%           16 To place an arterial/central line         21         1.7%           17 Drilling         9         0.7%           Total records:         1,271         2.7         2.2%           18 Efore use of item         27         2.2*         2.2*           2 During use of item         663         53.3%           3 Between steps of a multi-step procedure         117         9.4%           4 After use, while disassembling device or equipment         21			
5 To connect IV line         4         0.3%           6 To start IV or setup heparin lock         47         3.7%           7 To draw a venous blood sample         83         6.5%           8 To draw an arterial blood sample         12         0.9%           9 To obtain a body fluid or tissue sample         23         1.8%           10 Fingerstick/heel stick         7         0.6%           11 Suturing         92         7.2%           12 Cutting         92         7.2%           13 Electrocautery         7         0.6%           14 To contain a specimen or pharmaceutical         3         0.2%           15 Other, describe         233         17.5%           16 To place an arterial/central line         21         1.7%           17 Drilling         9         0.7%           Total records:         1,271         1.2           1 Before use of item         27         2.2%           2 During use of item         27         2.2%           3 Between steps of a multi-step procedure         117         9.4%           4 Alber use, while disassembling device or equipment         21         1.7%           5 In preparation for reuse of reusable instruments         24         1.9%			
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8 To draw an arterial blood sample         12         0.9%           9 To obtain a body fluid or tissue sample         23         1.8%           10 Fingerstick/heel stick         7         0.6%           11 Suturing         351         27.6%           12 Cutting         92         7.2%           13 Electrocautery         7         0.6%           14 To contain a specimen or pharmaceutical         3         0.2%           15 Other, describe         223         17.5%           16 To place an arterial/central line         21         1.7%           17 Drilling         9         0.7%           Total records:         1,271         2           10. When did the injury occur?         2         2           2 During use of item         27         2.2%           2 During use of item         663         53.3%           3 Between steps of a multi-step procedure         117         9.4%           4 After use, while disassembling device or equipment         21         1.7%           5 In preparation for reuse of reusable instruments         24         1.9%           6 After use, while recapping a used needle         40         3.2%           7 While withdrawing a needle from rubber or other resistance         7			
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10 Fingerstick/heel stick		23	1.8%
11 Suturing   351   27.6%     12 Cutting   92   7.2%     13 Electrocautery   7   0.6%     14 To contain a specimen or pharmaceutical   3   0.2%     15 Other, describe   223   17.5%     16 To place an arterial/central line   21   1.7%     17 Drilling   9   0.7%    Total records: 1,271   1   1.7%     18 Efore use of item   27   2.2%     2 During use of item   27   2.2%     3 Between steps of a multi-step procedure   117   9.4%     4 After use, while disassembling device or equipment   21   1.7%     5 In preparation for reuse of reusable instruments   24   1.9%     6 After use, while recapping a used needle   40   3.2%     8 Other after use, before disposal   133   10.7%     9 After use, from item left on or near disposal container   1   0.1%     10 During disposal, while putting the item into the disposal container   18   1.4%     14 Other, describe   12   9.7%     15 While restraining patient   2   0.2%     16 After use, device left on floor, table, bed or other inappropriate   34   2.7%    Total records: 1,244   1   1   1   1   1    11. Which device caused the injury?  11. Which device caused the injury?  12. Other describe   9   0.5%     5 Needle on IV line   2   0.1%     6 Winged steel needle   7   0.5%     8. Vacuum tube blood collection holder/needle   57   3.5%     8. Vacuum tube blood collection holder/needle   57   3.5%     8. Vacuum tube blood collection holder/needle   57   3.5%     9. Spinal or epidural needle   7   0.4%     10 Unattached hypodermic needle   7   0.4%     11 Arterial catheter introducer needle   7   0.4%     12 Central line catheter introducer needle   7   0.4%     13 After disposal catheter introducer needle   7   0.4%     14 Other, describe   9   0.5%     15 Central line catheter introducer needle   7   0.4%     16 After use, device left on floor, table, bed or other inappropriate   58   3.5%     17 Ceatheter stylet   58   3.5%     18 Central line catheter introducer needle   7   0.4%     19 Central line catheter introducer needle   7   0.4%     10 Unattached hypodermic needle   7			
12 Cutting   92   7.2%     13 Electrocautery   7   0.6%     14 To contain a specimen or pharmaceutical   3   0.2%     15 Other, describe   223   17.5%     16 To place an arterial/central line   21   1.7%     17 Drilling   9   0.7%     Total records: 1,271			
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14 To contain a specimen or pharmaceutical       3       0.2%         15 Other, describe       223       17.5%         16 To place an arterial/central line       21       1.7%         17 Drilling       9       0.7%         Total records: 1,271         10. When did the injury occur?         1 Before use of item       27       2.2%         2 During use of item       663       53.3%         3 Between steps of a multi-step procedure       117       9.4%         4 After use, while disassembling device or equipment       21       1.7%         5 In preparation for reuse of reusable instruments       24       1.19%         6 After use, while recapping a used needle       40       3.2%         7 While withdrawing a needle from rubber or other resistance       7       0.6%         8 Other after use, before disposal       133       10.7%         9 After use, from item left on or near disposal container       1       1.1%         10 During disposal, while putting the item into the disposal container       18       1.4%         11 During disposal, tiem protruding from trash bag or inapp container       18       1.4%         14 Other, describe       21       0.2%         15 While restraining patient       2 </td <td></td> <td>7</td> <td>0.6%</td>		7	0.6%
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Total records: 1,271   Total records: 1,271		223	17.5%
Total records: 1,271   Total records: 1,271		21	1.7%
Total records: 1,271		9	0.7%
1 Before use of item	<u> </u>		
1 Before use of item	10. When did the injury occur?		
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4 After use, while disassembling device or equipment       21       1.7%         5 In preparation for reuse of reusable instruments       24       1.9%         6 After use, while recapping a used needle       40       3.2%         7 While withdrawing a needle from rubber or other resistance       7       0.6%         8 Other after use, before disposal       133       10.7%         9 After use, from item left on or near disposal container       1       0.1%         10 During disposal, while putting the item into the disposal container       18       1.4%         11 During disposal, stuck by item protruding from disposal container       18       1.4%         13 After disposal, item protruding from trash bag or inapp container       18       1.4%         14 Other, describe       121       9.7%         15 While restraining patient       2       0.2%         16 After use, device left on floor, table, bed or other inappropriate       34       2.7%         Total records: 1,244     11. Which device caused the injury?  12. Disposable syringe  13. Sas 23.4%  2 Pre-filled cartridge syringe  14. Syringe, other type  2 Pre-filled cartridge syringe  15. Needle on IV line  2 O.7%  2 O.7%  2 O.7%  2 O.7%  3 Needle on IV line  2 O.1%  4 Syringe, other type  5 Needle on IV line  2 O.1%  6 Winged steel needle  7 O.4%  8 Vacuum tube blood collection holder/needle  57 O.4%  9 Spinal or epidural needle  10 Unattached hypodermic needle  7 O.4	e		
5 In preparation for reuse of reusable instruments         24         1.9%           6 After use, while recapping a used needle         40         3.2%           7 While withdrawing a needle from rubber or other resistance         7         0.6%           8 Other after use, before disposal         133         10.7%           9 After use, from item left on or near disposal container         1         0.1%           10 During disposal, while putting the item into the disposal container         18         1.4%           11 During disposal, stuck by item protruding from disposal container         18         1.4%           13 After disposal, item protruding from trash bag or inapp container         18         1.4%           14 Other, describe         121         9.7%           15 While restraining patient         2         0.2%           16 After use, device left on floor, table, bed or other inappropriate         34         2.7%           Total records: 1,244           11. Which device caused the injury?           1 Disposable syringe         38         23.4%           2 Pre-filled cartridge syringe         34         2.1%           3 Blood gas syringe (ABG)         12         0.7%           4 Syringe, other type         9         0.5%           5 Needle on IV line			
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8 Other after use, before disposal       133       10.7%         9 After use, from item left on or near disposal container       1       0.1%         10 During disposal, while putting the item into the disposal container       18       1.4%         11 During disposal, stuck by item protruding from disposal container       18       1.4%         13 After disposal, item protruding from trash bag or inapp container       18       1.4%         14 Other, describe       121       9.7%         15 While restraining patient       2       0.2%         16 After use, device left on floor, table, bed or other inappropriate       34       2.7%         Total records: 1,244     11. Which device caused the injury?  1 Disposable syringe  1 Disposable syringe  3 83  2 3.4%  2 Pre-filled cartridge syringe  3 84  2 Pre-filled cartridge syringe  3 84  2 Pre-filled cartridge syringe  3 9  0 .5%  5 Needle on IV line  6 Winged steel needle  70  4.3%  7 IV catheter type  9 0.5%  8 Vacuum tube blood collection holder/needle  57  3 .5%  8 Vacuum tube blood collection holder/needle  57  3 .5%  9 Spinal or epidural needle  11 0.7%  10 Unattached hypodermic needle  11 Arterial catheter introducer needle  9 0.5%  12 Central line catheter introducer needle  7 0.4%  12 Central line catheter introducer needle  7 0.4%			
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10 During disposal, while putting the item into the disposal container       18       1.4%         11 During disposal, stuck by item protruding from disposal container       18       1.4%         13 After disposal, item protruding from trash bag or inapp container       18       1.4%         14 Other, describe       121       9.7%         15 While restraining patient       2       0.2%         16 After use, device left on floor, table, bed or other inappropriate       34       2.7%         Total records: 1,244     11. Which device caused the injury?  1 Disposable syringe 1 Disposable syringe 2 Pre-filled cartridge syringe 3 Slood gas syringe (ABG) 3 Blood gas syringe (ABG) 4 Syringe, other type 9 0.5% 5 Needle on IV line 2 0.1% 6 Winged steel needle 7 0.4% 6 Winged steel needle 7 0.43% 7 IV catheter stylet 8 Vacuum tube blood collection holder/needle 5 7 3.5% 8 Vacuum tube blood collection holder/needle 5 7 3.5% 9 Spinal or epidural needle 11 0.7% 10 Unattached hypodermic needle 11 Arterial catheter introducer needle 11 Arterial catheter introducer needle 12 Central line catheter introducer needle 7 0.4%         12 Central line catheter introducer needle 7 0.4%			
11 During disposal, stuck by item protruding from disposal container       18       1.4%         13 After disposal, item protruding from trash bag or inapp container       18       1.4%         14 Other, describe       121       9.7%         15 While restraining patient       2       0.2%         16 After use, device left on floor, table, bed or other inappropriate       34       2.7%         Total records: 1,244         11. Which device caused the injury?         1 Disposable syringe       383       23.4%         2 Pre-filled cartridge syringe       34       2.1%         3 Blood gas syringe (ABG)       12       0.7%         4 Syringe, other type       9       0.5%         5 Needle on IV line       2       0.1%         6 Winged steel needle       70       4.3%         7 IV catheter stylet       58       3.5%         8. Vacuum tube blood collection holder/needle       57       3.5%         9 Spinal or epidural needle       11       0.7%         10 Unattached hypodermic needle       7       0.4%         11 Arterial catheter introducer needle       9       0.5%         12 Central line catheter introducer needle       7       0.4%			
13 After disposal, item protruding from trash bag or inapp container       18       1.4%         14 Other, describe       121       9.7%         15 While restraining patient       2       0.2%         16 After use, device left on floor, table, bed or other inappropriate       34       2.7%         Total records: 1,244         11. Which device caused the injury?         1 Disposable syringe       383       23.4%         2 Pre-filled cartridge syringe       34       2.1%         3 Blood gas syringe (ABG)       12       0.7%         4 Syringe, other type       9       0.5%         5 Needle on IV line       2       0.1%         6 Winged steel needle       70       4.3%         7 IV catheter stylet       58       3.5%         8. Vacuum tube blood collection holder/needle       57       3.5%         9 Spinal or epidural needle       11       0.7%         10 Unattached hypodermic needle       7       0.4%         11 Arterial catheter introducer needle       7       0.4%         12 Central line catheter introducer needle       7       0.4%			
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16 After use, device left on floor, table, bed or other inappropriate       34       2.7%         Total records: 1,244       1.244         11. Which device caused the injury?       383       23.4%         1 Disposable syringe       383       23.4%         2 Pre-filled cartridge syringe       34       2.1%         3 Blood gas syringe (ABG)       12       0.7%         4 Syringe, other type       9       0.5%         5 Needle on IV line       2       0.1%         6 Winged steel needle       70       4.3%         7 IV catheter stylet       58       3.5%         8. Vacuum tube blood collection holder/needle       57       3.5%         9 Spinal or epidural needle       11       0.7%         10 Unattached hypodermic needle       7       0.4%         11 Arterial catheter introducer needle       9       0.5%         12 Central line catheter introducer needle       7       0.4%			
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4 Syringe, other type       9       0.5%         5 Needle on IV line       2       0.1%         6 Winged steel needle       70       4.3%         7 IV catheter stylet       58       3.5%         8. Vacuum tube blood collection holder/needle       57       3.5%         9 Spinal or epidural needle       11       0.7%         10 Unattached hypodermic needle       7       0.4%         11 Arterial catheter introducer needle       9       0.5%         12 Central line catheter introducer needle       7       0.4%		34	2.1%
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7 IV catheter stylet 58 3.5% 8.Vacuum tube blood collection holder/needle 57 3.5% 9 Spinal or epidural needle 11 0.7% 10 Unattached hypodermic needle 7 0.4% 11 Arterial catheter introducer needle 9 0.5% 12 Central line catheter introducer needle 7 0.4%	5 Needle on IV line	2	0.1%
8. Vacuum tube blood collection holder/needle573.5%9 Spinal or epidural needle110.7%10 Unattached hypodermic needle70.4%11 Arterial catheter introducer needle90.5%12 Central line catheter introducer needle70.4%	6 Winged steel needle	70	4.3%
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10 Unattached hypodermic needle 7 0.4% 11 Arterial catheter introducer needle 9 0.5% 12 Central line catheter introducer needle 7 0.4%			
11 Arterial catheter introducer needle90.5%12 Central line catheter introducer needle70.4%			
12 Central line catheter introducer needle 7 0.4%			
14 Other vascular catheter needle 8 0.5%			
	14 Other vascular catheter needle	8	0.5%



15 Other non-vascular catheter needle	2	0.1%
16 Huber-type needle	16	1.0%
17 Pen Needle	7	0.4%
28 Needle, not sure what kind	97	5.9%
29 Other needle, describe	127	7.7%
30 Lancet	8	0.5%
31 Suture needle	385	23.5%
32 Scalpel, reusable	20	1.2%
33 Razor	9	0.5%
35 Scissors	13	0.8%
36 Electro-cautery device	7	0.4%
37 Bone cutter	2	0.1%
39 Towel clip	4	0.2%
40 Microtome blade	1	0.1%
41 Trocar	5	0.3%
45 Scalpel, disposable	51	3.1%
46 Retractors, skin/bone hooks	17	1.0%
47 Staples/Steel sutures	9	0.5%
48 Wire (suture, fixation, guide wire)	31	1.9%
49 Pin (fixation, guide pin)	14	0.9%
50 Drill bit/Bur	9	0.5%
51 Pickups/Forceps/Hemostats/Clamps	18	1.1%
58 Sharp item, not sure what kind	15	0.9%
59 Other sharp item, describe	91	5.6%
60 Medication ampule	1	0.1%
61 Medication vial	1	0.1%
65 Specimen/Test tube, glass	1	0.1%
68 Automobile glass/windshield	3	0.2%
78 Glass item, not sure what kind	3	0.2%
79 Other glass item, describe	5	0.3%
Total records: 1,639		

#### 11a. Type of disposable needle used:

	1 Insulin	85	26.2%
	2 Tuberculin	27	8.3%
	3 24/25G needle	67	20.6%
	4 23G needle	32	9.8%
	5 22G needle	22	6.8%
	6 21G needle	14	4.3%
	7 20G needle	9	2.8%
	8 Other	69	21.2%
- 1	1 005		

Total records: 325



# 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 2 No 3 Unknown	329 678 76	30.4% 62.6% 7.0%
Total records: 1,083		
12a. If yes, was safety mechanism activated?		
1 Yes, fully	18	6.0%
2 Yes, partially	79	26.3%
3 No 4 Unknown	198 5	66.0% 1.7%
Total records: 300	3	1./%
101 16 1111 1 1 1		
12b. If yes, did the injury happen?		
1 Before activation	177	53.3%
2 During activation 3 After activation	112 40	33.7% 12.0%
4 Unknown	3	0.9%
Total records: 332	3	0.570
15. Location of the injury:		
1 Hand, right	305	32.5%
15 Hand, left	611	65.1%
30 Other	22	2.3%
Total records: 938		
16. Was the injury?		
1 Superficial-little or no bleeding	732	75.7%
2 Moderate-skin punctured, some bleeding	231	23.9%
3 Severe-deep stick/cut, profuse bleeding	4	0.4%
Total records: 967		
17. If injury was to the hand, did the sharp item penetrate?		
1 Single pair of gloves	475	57.6%
2 Double pair of gloves	323	39.2%
3 No gloves	27	3.3%
Total records: 825		