

2011 EPINet Report: Blood and Body Fluid Exposures

International Healthcare Worker Safety Center

University of Virginia

Reporting period: Jan 01, 2011 to Dec 31, 2011

Facility where exposure occurred: ALL
 Type facility where occurred: ALL
 3. Dept where incident: ALL
 4. Home/Employing department: ALL
 Type facility where occurred: ALL
 3. Dept where incident: ALL
 4. Home/Employing department: ALL
 5. Job category: ALL
 6. Where the exposure occurred: ALL
 7. Source patient identifiable: ALL
 8. Body fluid involved: ALL
 8a. Body fluid contaminated w/ blood: ALL
 12. Exposure was the result of: ALL

Hospital & rate information:

- Total # hospitals contributing data = 32 (9 teaching, 23 non-teaching)
- **Total # BBF exposures reported: 263**
- Average daily census (ADC), all hospitals combined: 3638
- **Blood and body fluid (BBF) exposure rate, all hospitals: 7.23 per 100 occupied beds**
- **Teaching hospitals:** total BBFs =199; total ADC=2542; **BBF exposure rate= 7.83** per 100 occupied beds
- **Non-teaching hospitals:** total BBF exposures=64; ADC=1096; **BBF exp. rate= 5.84** per 100 occupied beds

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

1 Doctor (attending.staff) specialty	18	6.9%
2 Doctor (intern/resident/fellow) specialty	12	4.6%
3 Medical student	2	0.8%
4 Nurse	116	44.3%
5 Nursing student	9	3.4%
6 Respiratory therapist	6	2.3%
7 Surgery attendant	9	3.4%
8 Other attendant	6	2.3%
9 Phlebotomist/ Venipuncture/ IV team	10	3.8%
10 Clinical laboratory worker	9	3.4%
11 Technologist (non lab)	9	3.4%
14 Housekeeper	1	0.4%
15 Other, describe	27	10.3%
16 Paramedic	6	2.3%
17 Other student	1	0.4%
18 C.N.A./H.H.A.	11	4.2%
20 Security	10	3.8%

Total records: 262

6. Where did the exposure occur?

1 Patient room/ward	120	45.6%
2 Outside patient room	6	2.3%
3 Emergency department	28	10.6%
4 Intensive/Critical care unit	17	6.5%
5 Operating room/Recovery	44	16.7%
6 Outpatient clinic/Office	9	3.4%
10 Procedure room	9	3.4%
11 Clinical laboratories	9	3.4%
12 Autopsy/Pathology	1	0.4%
13 Service/Utility area	1	0.4%
14 Other, describe	14	5.3%
16 Labor and delivery room	4	1.5%
17 Home-care	1	0.4%

Total records: 263

7. Was the source patient identifiable?

1 Yes	241	93.8%
2 No	6	2.3%
3 Unknown	3	1.2%
4 N/A	7	2.7%

Total records: 257

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8. Which body fluids were involved in the exposure?

Blood or blood products	194	73.8%
Vomit	9	3.4%
Sputum	26	9.9%
Saliva	33	12.5%
CSF	0	0.0%
Peritoneal	1	0.4%
Pleural	0	0.0%
Amniotic	3	1.1%
Urine	12	4.6%
BFOther	37	14.1%
Total records: 263		

8a. Was the body fluid visibly contaminated with blood?

1 Yes	138	67.6%
2 No	48	23.5%
3 Unknown	18	8.8%
Total records: 204		

9. Was the exposed part?

Intact skin	94	35.7%
Non-intact skin	32	12.2%
Eyes (conjunctiva)	167	63.5%
Nose (mucosa)	6	2.3%
Mouth (mucosa)	23	8.7%
Other exposed parts	14	5.3%
Total records: 263		

10. Did the blood or body fluid?

Touch unprotected skin	220	83.7%
Touch skin between gap in protective garment	19	7.2%
Soaked through protective garment	3	1.1%
Soaked through clothing	8	3.0%
Total records: 263		

11. Which barrier garments were worn at the time of exposure?

Single pair of gloves	168	63.9%
Double pair of gloves	30	11.4%
Goggles	10	3.8%
Eyeglasses, (not protective)	27	10.3%
Eyeglasses with sideshields	5	1.9%
Faceshield	4	1.5%
Surgical mask	37	14.1%
Surgical gown	57	21.7%
Plastic apron	1	0.4%
Labcoat, cloth, (not protective)	8	3.0%
Labcoat, other	3	1.1%
Other	27	10.3%
Total records: 263		

12. Was the exposure was the result of?

1 Direct patient contact	152	58.7%
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2 Specimen container leaked/spilled	14	5.4%
3 Specimen container broke	1	0.4%
4 IV tubing/bag/pump leaked/broke	15	5.8%
5 Other body fluid container spilled/leaked	11	4.2%
6 Touched contaminated equipment/surface	3	1.2%
7 Touched contaminated drapes/sheets/gown	2	0.8%
9 Other, describe	50	19.3%
10 Feeding/ventilator/other tube separated/leaked/spilled	11	4.2%

Total records: 259

13. For how long was the blood or body fluid in contact with your skin or mucous membranes?

1 Less than 5 minutes	185	72.3%
2 5-14 minutes	40	15.6%
3 15 minutes to 1 hr	23	9.0%
4 More than 1 hr	8	3.1%

Total records: 256

14. How much blood/body fluid came in contact with your skin or mucous membranes?

1 Small amount (up to 5 cc)	222	86.0%
2 Moderate amount (up to 50 cc)	22	8.5%
3 Large amount (more than 50 cc)	14	5.4%

Total records: 258

15a. Exposure location: Largest exposure

Arm	18	7.1%
Back	1	0.4%
Face/Head	193	76.6%
Foot	1	0.4%
Front	9	3.6%
Hand, left	11	4.4%
Hand, right	14	5.6%
Leg	5	2.0%

Total records: 252

15b. Exposure location: Middle exposure

Arm	12	9.4%
Face/Head	93	72.7%
Front	9	7.0%
Hand, left	7	5.5%
Hand, right	4	3.1%
Leg	3	2.3%

Total records: 128

15c. Exposure location: Smallest exposure

Arm	4	12.5%
Face/Head	8	25.0%
Foot	1	3.1%
Front	5	15.6%
Hand, left	6	18.8%
Hand, right	3	9.4%
Leg	5	15.6%

Total records: 32