

Exposure Control Plan

TABLE 1

Hours = # of Establishments x Time

Cost = # of Burden Hours x \$35.00 (wage rate of an infection control practitioner)

Assumptions:

* Develop New Plans: Hospitals and Nursing Homes take 16 hours; Medical and dental labs take 8 hours; Physicians, dentists, and residential care take 4 hours

* Review existing plans: Hospitals take 8 hours to review, all other sectors take 2 hours

| | No. of Est. | | | Burden Hours | No. 12 |
|------------------------------------|--------------------|------------------------------------|-----|---------------------|---------------------|
| Offices of Physicians | 186,994 | Offices of Physicians | x 2 | 373,988 | \$13,089,580 |
| <i>New Physicians</i> | 12,106 | <i>New Physicians</i> | x 4 | 48,424 | \$1,694,840 |
| Office of Dentists | 113,054 | Office of Dentists | x 2 | 226,108 | \$7,913,780 |
| <i>New Dentists</i> | 1,854 | <i>New Dentists</i> | x 4 | 7,416 | \$259,560 |
| Nursing Homes | 15,980 | Nursing Homes | x 2 | 31,960 | \$1,118,600 |
| Hospitals | 6,985 | Hospitals | x 8 | 55,880 | \$1,955,800 |
| Medical and Dental Labs | 17,548 | Medical and Dental Labs | x 2 | 35,096 | \$1,228,360 |
| <i>New Medical and Dental Labs</i> | 2,305 | <i>New Medical and Dental Labs</i> | x 8 | 18,440 | \$645,400 |
| Home Health Care | 6,437 | Home Health Care | x 2 | 12,874 | \$450,590 |
| Hospices | 651 | Hospices | x 2 | 1,302 | \$45,570 |
| Hemodialysis | 782 | Hemodialysis | x 2 | 1,564 | \$54,740 |
| Drug Rehabilitation | 744 | Drug Rehabilitation | x 2 | 1,488 | \$52,080 |
| Government Clinics | 10,893 | Government Clinics | x 2 | 21,786 | \$762,510 |
| Blood/Plasma/Tissue Centers | 730 | Blood/Plasma/Tissue Centers | x 2 | 1,460 | \$51,100 |
| Residential Care | 9,964 | Residential Care | x 2 | 19,928 | \$697,480 |
| New Residential Care | 1,256 | New Residential Care | x 4 | 5,024 | \$175,840 |
| Personnel Services | 1,348 | Personnel Services | x 2 | 2,696 | \$94,360 |
| Funeral Services | 19,890 | Funeral Services | x 2 | 39,780 | \$1,392,300 |
| Health Units in Industry | 202,540 | Health Units in Industry | x 2 | 405,080 | \$14,177,800 |
| Research Labs | 1,453 | Research Labs | x 2 | 2,906 | \$101,710 |
| Linen Services | 1,250 | Linen Services | x 2 | 2,500 | \$87,500 |
| Medical Equipment Repair | 1,076 | Medical Equipment Repair | x 2 | 2,152 | \$75,320 |
| Law Enforcement | 4,946 | Law Enforcement | x 2 | 9,892 | \$346,220 |
| Fire and Rescue | 3,174 | Fire and Rescue | x 2 | 6,348 | \$222,180 |
| Correctional Facilities | 1,895 | Correctional Facilities | x 2 | 3,790 | \$132,650 |
| Lifesaving | 100 | Lifesaving | x 2 | 200 | \$7,000 |
| Schools | 6,321 | Schools | x 2 | 12,642 | \$442,470 |
| Waste Removal | 50 | Waste Removal | x 2 | 100 | \$3,500 |
| Totals | | Totals | | 1,350,824 | \$47,278,840 |

Responses

632,326

Hepatitis B Vaccination (Employee Time)

TABLE 2

Hours = # of workers x (% non-vaccinated) x employee participation rate x employee time x occupational turnover rate

Assumptions

To receive the vaccination and post vaccination is 38 minutes (.63 hour) for categories A and B; 23 minutes (.38 hour) for Categories C and D; only health care workers receive post vaccinations.

For Sectors where a physician, dentist or licensed nurses is not normally on the premises, employee time to receive the vaccination and post vaccination is 115 minutes (1.92 hour) for categories A and B; 100 minutes (1.67 hours) for Categories C and D.

Wage Rates are from the Regulatory Impact Analysis, Technical Appendix C.

| | | | | | | | | | Hours | Wage Rates | #12 | Responses | |
|---|-----------|---|------|---|-----|---|------|---|--------------|-------------------|------------|------------------|--------|
| Office of the Physicians | | | | | | | | | | | | | |
| Category A | 967,626 | x | 57% | x | 52% | x | 0.63 | x | 6.9% = | 12,467 | \$30.01 | \$374,146 | 19,789 |
| C | 6,969 | x | 67% | x | 33% | x | 0.38 | x | 9.8% = | 57 | \$9.65 | \$554 | 151 |
| D | 69,685 | x | 37% | x | 65% | x | 0.38 | x | 12.9% = | 822 | \$17.46 | \$14,344 | 2,162 |
| Office of Dentists | | | | | | | | | | | | | |
| Category A | 359,662 | x | 33% | x | 75% | x | 0.63 | x | 1.6% = | 897 | \$23.12 | \$20,745 | 1,424 |
| C | 3,447 | x | 80% | x | 30% | x | 0.38 | x | 9.8% = | 31 | \$9.65 | \$297 | 81 |
| Nursing Homes (75% employees on- site) | | | | | | | | | | | | | |
| Category A | 445,842 | x | 57% | x | 50% | x | 0.63 | x | 24.8% = | 19,853 | \$12.28 | \$243,790 | 31,512 |
| C | 28,764 | x | 67% | x | 50% | x | 0.38 | x | 9.8% = | 359 | \$9.65 | \$3,463 | 944 |
| D | 4,794 | x | 37% | x | 50% | x | 0.38 | x | 9.8% = | 33 | \$9.65 | \$319 | 87 |
| Nursing Homes (25% employees off-site) | | | | | | | | | | | | | |
| Category A | 148,614 | x | 57% | x | 50% | x | 1.92 | x | 6.9% = | 5,611 | \$12.28 | \$68,905 | 2,922 |
| C | 9,588 | x | 67% | x | 50% | x | 1.67 | x | 9.8% = | 526 | \$9.65 | \$5,073 | 315 |
| D | 1,598 | x | 37% | x | 50% | x | 1.67 | x | 12.9% = | 64 | \$9.65 | \$615 | 38 |
| Hospitals | | | | | | | | | | | | | |
| Category A | 2,207,260 | x | 54% | x | 57% | x | 0.63 | x | 14.7% = | 62,919 | \$17.08 | \$1,074,652 | 99,871 |
| B | 188,595 | x | 54% | x | 57% | x | 0.63 | x | 12.9% = | 4,718 | \$17.51 | \$82,607 | 7,488 |
| C | 293,370 | x | 69% | x | 44% | x | 0.38 | x | 9.8% = | 3,317 | \$9.68 | \$32,107 | 8,729 |
| Medical and Dental Labs | | | | | | | | | | | | | |
| Category A | 227,773 | x | 58% | x | 64% | x | 0.63 | x | 12.9% = | 6,871 | \$21.66 | \$148,833 | 10,907 |
| C | 1,754 | x | 88% | x | 30% | x | 0.38 | x | 9.8% = | 17 | \$9.65 | \$166 | 45 |
| D | 197,766 | x | 100% | x | 30% | x | 0.38 | x | 9.8% = | 2,209 | \$9.65 | \$21,321 | 5,814 |
| Home Health | | | | | | | | | | | | | |
| Category A | 202,946 | x | 77% | x | 38% | x | 0.63 | x | 22.3% = | 8,343 | \$11.81 | \$98,526 | 13,242 |
| C | 3,000 | x | 100% | x | 30% | x | 0.38 | x | 9.8% = | 34 | \$9.65 | \$323 | 88 |
| D | 6,300 | x | 88% | x | 82% | x | 0.38 | x | 22.5% = | 389 | \$11.81 | \$4,590 | 1,023 |
| Hospices | | | | | | | | | | | | | |
| Category A | 10,565 | x | 77% | x | 46% | x | 0.63 | x | 22.5% = | 530 | \$11.81 | \$6,265 | 842 |
| C | 154 | x | 37% | x | 50% | x | 0.38 | x | 9.8% = | 1 | \$9.65 | \$10 | 3 |
| D | 27 | x | 100% | x | 30% | x | 0.38 | x | 22.5% = | 1 | \$11.81 | \$8 | 2 |
| Hemodialysis | | | | | | | | | | | | | |
| Category A | 11,926 | x | 33% | x | 77% | x | 0.63 | x | 15.4% = | 294 | \$20.56 | \$6,045 | 467 |
| C | 209 | x | 69% | x | 54% | x | 0.38 | x | 22.5% = | 7 | \$9.65 | \$64 | 18 |
| D | 553 | x | 48% | x | 60% | x | 0.38 | x | 12.9% = | 8 | \$17.46 | \$136 | 21 |

TABLE 2

| | | | | | | | | | | | | | | |
|---|---------|---|------|---|------|---|------|---|-------|---|-------|---------|-----------|-------|
| Drug Rehabilitation | | | | | | | | | | | | | | |
| Category A | 6,067 | x | 49% | x | 56% | x | 0.63 | x | 15.4% | = | 162 | \$20.56 | \$3,331 | 256 |
| C | 149 | x | 35% | x | 100% | x | 0.38 | x | 22.5% | = | 4 | \$9.65 | \$43 | 12 |
| D | 506 | x | 100% | x | 30% | x | 0.38 | x | 12.9% | = | 7 | \$17.46 | \$130 | 20 |
| Government Clinics | | | | | | | | | | | | | | |
| Category A | 52,156 | x | 57% | x | 52% | x | 0.63 | x | 13.5% | = | 1,315 | \$29.50 | \$38,786 | 2,087 |
| C | 381 | x | 67% | x | 33% | x | 0.38 | x | 9.8% | = | 3 | \$9.49 | \$30 | 8 |
| D | 3,808 | x | 37% | x | 65% | x | 0.38 | x | 12.9% | = | 45 | \$17.16 | \$797 | 118 |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | | | | |
| Category A | 18,198 | x | 60% | x | 42% | x | 0.63 | x | 12.9% | = | 373 | \$17.46 | \$6,507 | 592 |
| C | 200 | x | 80% | x | 30% | x | 0.38 | x | 9.8% | = | 2 | \$9.65 | \$17 | 5 |
| D | 390 | x | 51% | x | 44% | x | 0.38 | x | 22.5% | = | 7 | \$11.81 | \$88 | 20 |
| Residential Care (75% employees on-site) | | | | | | | | | | | | | | |
| Category A | 30,908 | x | 73% | x | 50% | x | 0.63 | x | 24.3% | = | 1,727 | \$12.92 | \$22,314 | 2,741 |
| C | 854 | x | 100% | x | 50% | x | 0.38 | x | 9.8% | = | 16 | \$9.65 | \$153 | 42 |
| D | 5,065 | x | 42% | x | 50% | x | 0.38 | x | 9.8% | = | 40 | \$11.81 | \$468 | 104 |
| Residential Care (25% employees off-site) | | | | | | | | | | | | | | |
| Category A | 10,303 | x | 73% | x | 50% | x | 1.92 | x | 24.3% | = | 1,755 | \$12.92 | \$22,669 | 914 |
| C | 285 | x | 100% | x | 50% | x | 1.67 | x | 9.8% | = | 23 | \$9.65 | \$225 | 14 |
| D | 1,688 | x | 42% | x | 50% | x | 1.67 | x | 9.8% | = | 58 | \$11.81 | \$685 | 35 |
| Personnel Services | | | | | | | | | | | | | | |
| Category A | 61,387 | x | 88% | x | 30% | x | 1.92 | x | 8.7% | = | 2,707 | \$14.86 | \$40,227 | 1,410 |
| D | 102,090 | x | 100% | x | 30% | x | 1.67 | x | 9.8% | = | 5,012 | \$9.65 | \$48,370 | 3,001 |
| Funeral Services | | | | | | | | | | | | | | |
| Category A | 51,054 | x | 65% | x | 49% | x | 1.92 | x | 12.9% | = | 4,027 | \$17.43 | \$70,198 | 2,098 |
| C | 2,721 | x | 100% | x | 50% | x | 1.67 | x | 9.8% | = | 223 | \$9.64 | \$2,146 | 133 |
| D | 3,238 | x | 100% | x | 30% | x | 1.67 | x | 12.9% | = | 209 | \$9.64 | \$2,017 | 125 |
| Health Units in Industry | | | | | | | | | | | | | | |
| Category A | 34,184 | x | 70% | x | 43% | x | 1.92 | x | 19.5% | = | 3,852 | \$15.09 | \$58,132 | 2,006 |
| B | 141,051 | x | 83% | x | 30% | x | 1.92 | x | 9.8% | = | 6,608 | \$17.10 | \$113,005 | 3,442 |
| D | 3,497 | x | 30% | x | 30% | x | 1.67 | x | 12.9% | = | 68 | \$9.45 | \$641 | 41 |
| Research Labs | | | | | | | | | | | | | | |
| Category A | 87,484 | x | 54% | x | 65% | x | 1.92 | x | 12.9% | = | 7,605 | \$17.16 | \$130,510 | 3,961 |
| C | 1,315 | x | 79% | x | 31% | x | 1.67 | x | 9.8% | = | 53 | \$9.49 | \$500 | 32 |
| D | 352 | x | 54% | x | 65% | x | 1.67 | x | 12.9% | = | 27 | \$17.16 | \$457 | 16 |
| Linen Service | | | | | | | | | | | | | | |
| D | 50,000 | x | 100% | x | 30% | x | 1.67 | x | 9.8% | = | 2,455 | \$9.75 | \$23,935 | 1,470 |
| Medical Equipment Repair | | | | | | | | | | | | | | |
| Category A | 473 | x | 84% | x | 30% | x | 1.92 | x | 22.5% | = | 51 | \$11.56 | \$595 | 27 |
| B | 200 | x | 90% | x | 30% | x | 1.92 | x | 12.9% | = | 13 | \$11.56 | \$155 | 7 |
| C | 5,152 | x | 92% | x | 30% | x | 1.67 | x | 12.9% | = | 306 | \$17.10 | \$5,238 | 183 |
| D | 360 | x | 100% | x | 30% | x | 1.67 | x | 22.5% | = | 41 | \$17.10 | \$694 | 24 |
| Law Enforcement | | | | | | | | | | | | | | |
| Category A | 306,769 | x | 83% | x | 30% | x | 0.63 | x | 7.8% | = | 3,754 | \$14.93 | \$56,041 | 5,958 |
| B | 1,137 | x | 47% | x | 83% | x | 0.63 | x | 9.8% | = | 27 | \$17.16 | \$470 | 43 |
| C | 2,617 | x | 98% | x | 30% | x | 0.38 | x | 7.8% | = | 23 | \$9.49 | \$216 | 60 |
| D | 31,022 | x | 77% | x | 30% | x | 0.38 | x | 12.9% | = | 351 | \$14.93 | \$5,245 | 924 |
| Fire and Rescue | | | | | | | | | | | | | | |
| Category A | 113,866 | x | 34% | x | 68% | x | 1.92 | x | 12.9% | = | 6,520 | \$17.16 | \$111,890 | 3,396 |

TABLE 2

| | | | | | | | | | | | | | |
|-------------------------|---------|---|------|---|-----|---|------|---|---------|--------------|----------------|-----------------|------------|
| B | 136,412 | x | 44% | x | 69% | x | 1.92 | x | 22.5% = | 17,891 | \$15.45 | \$276,418 | 9,318 |
| D | 1,770 | x | 31% | x | 73% | x | 1.67 | x | 7.8% = | 52 | \$11.61 | \$606 | 31 |
| Correctional Facilities | | | | | | | | | | | | | 0 |
| Category A | 8,381 | x | 79% | x | 42% | x | 0.63 | x | 19.5% = | 342 | \$15.15 | \$5,176 | 542 |
| B | 82,883 | x | 97% | x | 30% | x | 0.63 | x | 12.9% = | 1,960 | \$11.99 | \$23,502 | 3,111 |
| C | 7,273 | x | 90% | x | 30% | x | 0.38 | x | 17.7% = | 132 | \$9.49 | \$1,253 | 348 |
| D | 21,687 | x | 98% | x | 30% | x | 0.38 | x | 7.8% = | 189 | \$14.39 | \$2,719 | 497 |
| Lifesaving | | | | | | | | | | | | | 0 |
| Category A | 5,000 | x | 75% | x | 68% | x | 1.92 | x | 12.9% = | 632 | \$17.16 | \$10,838 | 329 |
| Schools | | | | | | | | | | | | | 0 |
| Category A | 23,514 | x | 100% | x | 30% | x | 1.92 | x | 15.0% = | 2,032 | \$14.09 | \$28,625 | 1,058 |
| D | 17,848 | x | 100% | x | 30% | x | 1.67 | x | 22.5% = | 2,012 | \$11.61 | \$23,358 | 1,205 |
| Waste Removal | | | | | | | | | | | | | 0 |
| Category A | 13,300 | x | 100% | x | 30% | x | 1.92 | x | 22.5% = | <u>1,724</u> | <u>\$11.61</u> | <u>\$20,012</u> | <u>898</u> |
| | | | | | | | | | | 206,812 | | \$3,367,341 | 260,649 |

Dollar costs maynot reflect the total of cost x hours as a result of rounding.

Table 3

Hepatitis B Vaccination (Health Care Professional Time)

Hours = # of workers x (non-vaccination rate) x employee participation rate x health care professional time x occupational turnover rate

Cost = # of workers x (Non-vaccination rate) x employee participation rate x cost of vaccination x occupational turnover rate

Assumptions:

15 minutes (.25) hour for licensed health care professional to provide hepatitis b vaccination and (.50 for vaccine and post vaccination screening

30 minutes (.50) hour for licensed health care professional to provide vaccination and post-vaccination screening)

Cost of Hepatitis B vaccine is 128, and the cost of the titer is \$90; for vaccination and post-vaccination total is \$218

Wage Rate for Health Care Professional is \$35.00

| | | | | | | | Burden Hours | No. 13 | No. 12 | Responses | | |
|--|-----------|---|------|---|-----|---|--------------|--------|--------|-----------|-------------|-------|
| Office of the Physicians | | | | | | | | | | | | |
| Category A | 967,626 | x | 57% | x | 52% | x | 0.5 | x | 6.9% | 9,895 | \$346,316 | 19789 |
| C | 6,969 | x | 67% | x | 33% | x | 0.25 | x | 9.8% | 38 | \$1,321 | 151 |
| D | 69,685 | x | 37% | x | 65% | x | 0.25 | x | 12.9% | 540 | \$18,917 | 2162 |
| Office of Dentists | | | | | | | | | | | | |
| Category A | 359,662 | x | 33% | x | 75% | x | 0.5 | x | 1.6% | 712 | \$24,925 | 1424 |
| C | 3,447 | x | 80% | x | 30% | x | 0.25 | x | 9.8% | 20 | \$709 | 81 |
| Nursing Homes (75% employees on- site) | | | | | | | | | | | | |
| Category A | 445,842 | x | 57% | x | 50% | x | 0.5 | x | 24.8% | 15,756 | \$551,462 | 31512 |
| C | 28,764 | x | 67% | x | 50% | x | 0.25 | x | 9.8% | 236 | \$8,263 | 944 |
| D | 4,794 | x | 37% | x | 50% | x | 0.25 | x | 9.8% | 22 | \$761 | 87 |
| Nursing Homes (25% employees off-site) | | | | | | | | | | | | |
| Category A | 148,614 | x | 57% | x | 50% | x | \$218 | x | 6.9% | | \$637,104 | |
| C | 9,588 | x | 67% | x | 50% | x | \$128 | x | 9.8% | | \$40,291 | |
| D | 1,598 | x | 37% | x | 50% | x | \$128 | x | 12.9% | | \$4,881 | |
| Hospitals | | | | | | | | | | | | |
| Category A | 2,207,260 | x | 54% | x | 57% | x | 0.5 | x | 14.7% | 49,936 | \$1,747,743 | 99871 |
| B | 188,595 | x | 54% | x | 57% | x | 0.5 | x | 12.9% | 3,744 | \$131,047 | 7488 |
| C | 293,370 | x | 69% | x | 44% | x | 0.25 | x | 9.8% | 2,182 | \$76,375 | 8729 |
| Medical and Dental Labs | | | | | | | | | | | | |
| Category A | 227,773 | x | 58% | x | 64% | x | 0.5 | x | 12.9% | 5,453 | \$190,870 | 10907 |
| C | 1,754 | x | 88% | x | 30% | x | 0.25 | x | 9.8% | 11 | \$397 | 45 |
| D | 197,766 | x | 100% | x | 30% | x | 0.25 | x | 9.8% | 1,454 | \$50,875 | 5814 |
| Home Health | | | | | | | | | | | | |
| Category A | 202,946 | x | 77% | x | 38% | x | 0.5 | x | 22.3% | 6,621 | \$231,738 | 13242 |
| C | 3,000 | x | 100% | x | 30% | x | 0.25 | x | 9.8% | 22 | \$772 | 88 |
| D | 6,300 | x | 88% | x | 82% | x | 0.25 | x | 22.5% | 256 | \$8,950 | 1023 |
| Hospices | | | | | | | | | | | | |
| Category A | 10,565 | x | 77% | x | 46% | x | 0.5 | x | 22.5% | 421 | \$14,735 | 842 |
| C | 154 | x | 37% | x | 50% | x | 0.25 | x | 9.8% | 1 | \$24 | 3 |
| D | 27 | x | 100% | x | 30% | x | 0.25 | x | 22.5% | 0 | \$16 | 2 |
| Hemodialysis | | | | | | | | | | | | |
| Category A | 11,926 | x | 33% | x | 77% | x | 0.5 | x | 15.4% | 233 | \$8,167 | 467 |
| C | 209 | x | 69% | x | 54% | x | 0.25 | x | 22.5% | 4 | \$153 | 18 |
| D | 553 | x | 48% | x | 60% | x | 0.25 | x | 12.9% | 5 | \$180 | 21 |

| | | | | | | | | | | | | |
|---|---------|---|------|---|------|---|-------|---|-------|---------|-----------|------|
| Drug Rehabilitation | | | | | | | | | | | | |
| Category A | 6,067 | x | 49% | x | 56% | x | 0.5 | x | 15.4% | 128 | \$4,487 | 256 |
| C | 149 | x | 35% | x | 100% | x | 0.25 | x | 22.5% | 3 | \$103 | 12 |
| D | 506 | x | 100% | x | 30% | x | 0.25 | x | 12.9% | 5 | \$171 | 20 |
| Government Clinics | | | | | | | | | | | | |
| Category A | 52,156 | x | 57% | x | 52% | x | 0.5 | x | 13.5% | 1,043 | \$36,522 | 2087 |
| C | 381 | x | 67% | x | 33% | x | 0.25 | x | 9.8% | 2 | \$72 | 8 |
| D | 3,808 | x | 37% | x | 65% | x | 0.25 | x | 12.9% | 30 | \$1,034 | 118 |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | | |
| Category A | 18,198 | x | 60% | x | 42% | x | 0.5 | x | 12.9% | 296 | \$10,353 | 592 |
| C | 200 | x | 80% | x | 30% | x | 0.25 | x | 9.8% | 1 | \$41 | 5 |
| D | 390 | x | 51% | x | 44% | x | 0.25 | x | 22.5% | 5 | \$172 | 20 |
| Residential Care (75% employees on-site) | | | | | | | | | | | | |
| Category A | 30,908 | x | 73% | x | 50% | x | 0.25 | x | 24.3% | 685 | \$23,987 | 2741 |
| C | 854 | x | 100% | x | 50% | x | 0.25 | x | 9.8% | 10 | \$366 | 42 |
| D | 5,065 | x | 42% | x | 50% | x | 0.25 | x | 9.8% | 26 | \$912 | 104 |
| Residential Care (25% employees off-site) | | | | | | | | | | | | |
| Category A | 10,303 | x | 73% | x | 50% | x | \$218 | x | 24.3% | | \$199,214 | |
| C | 285 | x | 100% | x | 50% | x | \$128 | x | 9.8% | | \$1,788 | |
| D | 1,688 | x | 42% | x | 50% | x | \$128 | x | 9.8% | | \$4,447 | |
| Personnel Services | | | | | | | | | | | | |
| Category A | 61,387 | x | 88% | x | 30% | x | \$218 | x | 8.7% | 307,366 | \$307,366 | |
| D | 102,090 | x | 100% | x | 30% | x | \$128 | x | 9.8% | 384,185 | \$384,185 | |
| Funeral Services | | | | | | | | | | | | |
| Category A | 51,054 | x | 65% | x | 49% | x | \$218 | x | 12.9% | 457,283 | \$457,283 | |
| C | 2,721 | x | 100% | x | 50% | x | \$128 | x | 9.8% | 17,066 | \$17,066 | |
| D | 3,238 | x | 100% | x | 30% | x | \$128 | x | 12.9% | 16,040 | \$16,040 | |
| Health Units in Industry | | | | | | | | | | | | |
| Category A | 34,184 | x | 70% | x | 43% | x | \$218 | x | 19.5% | 437,402 | \$437,402 | |
| B | 141,051 | x | 83% | x | 30% | x | \$128 | x | 9.8% | 440,567 | \$440,567 | |
| D | 3,497 | x | 30% | x | 30% | x | \$128 | x | 12.9% | 5,197 | \$5,197 | |
| Research Labs | | | | | | | | | | | | |
| Category A | 87,484 | x | 54% | x | 65% | x | \$218 | x | 12.9% | 863,539 | \$863,539 | |
| C | 1,315 | x | 79% | x | 31% | x | \$128 | x | 9.8% | 4,040 | \$4,040 | |
| D | 352 | x | 54% | x | 65% | x | \$128 | x | 12.9% | 2,040 | \$2,040 | |
| Linen Service | | | | | | | | | | | | |
| D | 50,000 | x | 100% | x | 30% | x | \$128 | x | 9.8% | 188,160 | \$188,160 | |
| Medical Equipment Repair | | | | | | | | | | | | |
| Category A | 473 | x | 84% | x | 30% | x | \$218 | x | 22.5% | 5,847 | \$5,847 | |
| B | 200 | x | 90% | x | 30% | x | \$218 | x | 12.9% | 1,519 | \$1,519 | |
| C | 5,152 | x | 92% | x | 30% | x | \$128 | x | 12.9% | 23,479 | \$23,479 | |
| D | 360 | x | 100% | x | 30% | x | \$128 | x | 22.5% | 3,110 | \$3,110 | |
| Law Enforcement | | | | | | | | | | | | |
| Category A | 306,769 | x | 83% | x | 30% | x | 0.5 | x | 7.8% | 2,979 | \$104,266 | 5958 |
| B | 1,137 | x | 47% | x | 83% | x | 0.25 | x | 9.8% | 11 | \$380 | 43 |
| C | 2,617 | x | 98% | x | 30% | x | 0.25 | x | 7.8% | 15 | \$525 | 60 |
| D | 31,022 | | 77% | | 30% | | 0.25 | | 12.9% | 231 | \$8,089 | |

| | | | | | | | | | | | | | |
|-------------------------|---------|---|------|---|-----|---|-------|---|--------------|------------------|--------------------|--------------------|----------------|
| Fire and Rescue | | | | | | | | | | | | | |
| Category A | 113,866 | x | 34% | x | 68% | x | \$218 | x | 12.9% | 740,335 | \$740,335 | | |
| B | 136,412 | x | 44% | x | 69% | x | \$218 | x | 22.5% | 2,031,390 | \$2,031,390 | | |
| D | 1,770 | x | 31% | x | 73% | x | \$128 | x | 7.8% | 3,999 | \$3,999 | | |
| Correctional Facilities | | | | | | | | | | | | | |
| Category A | 8,381 | x | 79% | x | 42% | x | 0.5 | x | 19.5% | 271 | \$9,490 | 542 | |
| B | 82,883 | x | 97% | x | 30% | x | 0.25 | x | 12.9% | 778 | \$27,224 | 3111 | |
| C | 7,273 | x | 90% | x | 30% | x | 0.25 | x | 17.7% | 87 | \$3,041 | 348 | |
| D | 21,687 | x | 98% | x | 30% | x | 0.25 | x | 7.8% | 124 | \$4,352 | 497 | |
| Lifesaving | | | | | | | | | | | | | |
| Category A | 5,000 | x | 75% | x | 68% | x | \$218 | x | 12.9% | 71,711 | \$71,711 | | |
| Schools | | | | | | | | | | | | | |
| Category A | 23,514 | x | 100% | x | 30% | x | \$218 | x | 15.0% | 230,672 | \$230,672 | | |
| D | 17,848 | x | 100% | x | 30% | x | \$128 | x | 22.5% | 154,207 | \$154,207 | | |
| Waste Removal | | | | | | | | | | | | | |
| Category A | 13,300 | x | 100% | x | 30% | x | \$128 | x | 22.5% | 114,912 | \$114,912 | | |
| Totals | | | | | | | | | Total | 6,608,360 | \$7,391,790 | \$3,650,303 | 221,275 |

Table 4

Hours = # of exposures x source participation rate x health care professional time

Cost = # of exposures x source participation rate x ((cost of HIV antibody test) + (RSS x (cost of confirmatory test)))

Assumptions:

50% of sources will agree to be tested; 50% will refuse to be tested

5 minutes (.08 hour) will be required to administer the tests.

RSS is .05% for blood/plasma/tissue centers; 17% for law enforcement; 17% for corrections

and 0.8% for all other sectors

Unit cost of HIV antibody test = \$20

Unit cost of confirmatory test = \$30

| | | | | | Hours | #13 | #12 | Responses | |
|-----------------------------|---------|---|-----|---|--------------------------|----------|-------------|-------------|---------|
| Offices of Physicians | 179,493 | x | 50% | x | 0.083 | = 7,449 | \$260,714 | 89,747 | |
| Office of Dentists | 322,560 | x | 50% | x | 0.083 | = 13,386 | \$468,518 | 161,280 | |
| Nursing Homes | 45,384 | x | 50% | x | 0.083 | = 1,883 | \$65,920 | 22,692 | |
| Hospitals | 319,827 | x | 50% | x | 0.083 | = 13,273 | \$464,549 | 159,914 | |
| Medical and Dental Labs | 5,664 | x | 50% | x | 0.083 | = 235 | \$8,227 | 2,832 | |
| Home Health Care | 8,819 | x | 50% | x | 0.083 | = 366 | \$12,810 | 4,410 | |
| Hospices | 898 | x | 50% | x | 0.083 | = 37 | \$1,304 | 449 | |
| Hemodialysis | 5,302 | x | 50% | x | 0.083 | = 220 | \$7,701 | 2,651 | |
| Drug Rehabilitation | 283 | x | 50% | x | 0.083 | = 12 | \$411 | 142 | |
| Government Clinics | 16,013 | x | 50% | x | 0.083 | = 665 | \$23,259 | 8,007 | |
| Blood/Plasma/Tissue Centers | 6,789 | x | 50% | x | 0.083 | = 282 | \$9,861 | 3,395 | |
| Residential Care | 7,809 | x | 50% | x | 0.083 | = 324 | \$11,343 | 3,905 | |
| Personnel Services | 2,993 | x | 50% | [| \$20 + (0.08 x \$30) = | | 29,930 | | |
| Funeral Services | 11,735 | x | 50% | [| \$20 + (0.08 x \$30) = | | 131,432 | | |
| Health Units in Industry | 186,835 | x | 50% | [| \$20 + (0.08 x \$30) = | | 2,092,552 | | |
| Research Labs | 494 | x | 50% | [| \$20 + (0.08 x \$30) = | | 5,533 | | |
| Linen Services | 3,000 | x | 50% | [| \$20 + (0.08 x \$30) = | | 33,600 | | |
| Medical Equipment Repair | 2,625 | x | 50% | [| \$20 + (0.08 x \$30) = | | 29,400 | | |
| Law Enforcement | 27,411 | x | 50% | x | 0.083 | = 1,138 | \$39,814 | 13,706 | |
| Fire and Rescue | 13,426 | x | 50% | [| \$20 + (0.08 x \$30) = | | 134,260 | | |
| Correctional Facilities | 9,173 | x | 50% | x | 0.083 | = 381 | \$13,324 | 4,587 | |
| Lifesaving | 457 | x | 50% | [| \$20 + (0.08 x \$30) = | | 4,570 | | |
| Schools | 12,642 | x | 50% | [| \$20 + (0.08 x \$30) = | | 141,590 | | |
| Waste Removal | 50 | x | 50% | [| \$20 + (0.08 x \$30) = | | 560 | | |
| | | | | | | 39,650 | \$2,603,427 | \$1,387,755 | 477,713 |

Table 5

HBV Antibody Testing for Vaccinated Workers (Employee Time)

Hours = Number of exposures x % vaccinated x employee time x 10% x (1 - compliance rate)

Assumptions:

percent vaccinated = prior vaccination rate + employee participation reate x (1 - prior vaccination rate).

This assumes that no previously non-vaccinated worker has offered and declined the free vaccination.

Employee time is equivalent to 1/3 time required for HBV vaccination.

10% of vaccinated employees will receive tests.

| | | | | | | | | | Burden Hours | Wage Rates | Number 12 | Responses | |
|------------------------------------|---------|---|------|---|-------|---|-----|---|-------------------------|-------------------|------------------|------------------|-------|
| Office of the Physicians | | | | | | | | | | | | | |
| Category A | 179,493 | x | 73% | x | 0.128 | x | 0.1 | x | (1 - 27%) = | 1,224 | \$30.01 | \$36,742.54 | 9565 |
| C | 0 | x | 55% | x | 0.128 | x | 0.1 | x | (1 - 27%) = | 0 | \$9.65 | \$0.00 | 0 |
| D | 0 | x | 87% | x | 0.128 | x | 0.1 | x | (1 - 27%) = | 0 | \$17.46 | \$0.00 | 0 |
| Office of Dentists | | | | | | | | | | | | | |
| Category A | 279,485 | x | 92% | x | 0.128 | x | 0.1 | x | (1 - 19%) = | 2,666 | \$23.12 | \$61,635.25 | 20827 |
| C | 43,075 | x | 44% | x | 0.128 | x | 0.1 | x | (1 - 19%) = | 197 | \$9.65 | \$1,896.27 | 1535 |
| Nursing Homes | | | | | | | | | | | | | |
| Category A | 35,746 | x | 38% | x | 0.128 | x | 0.1 | x | (1 - 31%) = | 120 | \$12.28 | \$1,473.22 | 937 |
| C | 5,002 | x | 31% | x | 0.128 | x | 0.1 | x | (1 - 31%) = | 14 | \$9.65 | \$132.16 | 107 |
| D | 4,636 | x | 30% | x | 0.128 | x | 0.1 | x | (1 - 31%) = | 12 | \$9.65 | \$118.54 | 96 |
| Hospitals | | | | | | | | | | | | | |
| Category A | 254,449 | x | 77% | x | 0.128 | x | 0.1 | x | (1 - 76%) = | 602 | \$17.08 | \$10,280.18 | 4702 |
| B | 34,579 | x | 77% | x | 0.128 | x | 0.1 | x | (1 - 76%) = | 82 | \$17.51 | \$1,432.22 | 639 |
| C | 30,799 | x | 62% | x | 0.128 | x | 0.1 | x | (1 - 76%) = | 59 | \$9.68 | \$567.84 | 458 |
| Medical and Dental Labs | | | | | | | | | | | | | |
| Category A | 5,177 | x | 79% | x | 0.128 | x | 0.1 | x | (1 - 86%) = | 7 | \$21.66 | \$158.75 | 57 |
| C | 0 | x | 38% | x | 0.128 | x | 0.1 | x | (1 - 86%) = | 0 | \$9.65 | \$0.00 | 0 |
| D | 487 | x | 30% | x | 0.128 | x | 0.1 | x | (1 - 86%) = | 0 | \$9.65 | \$2.53 | 2 |
| Home Health | | | | | | | | | | | | | |
| Category A | 6,244 | x | 52% | x | 0.128 | x | 0.1 | x | (1 - 67%) = | 14 | \$11.81 | \$161.97 | 107 |
| C | 0 | x | 30% | x | 0.128 | x | 0.1 | x | (1 - 67%) = | 0 | \$9.65 | \$0.00 | 0 |
| D | 2,575 | x | 84% | x | 0.128 | x | 0.1 | x | (1 - 67%) = | 9 | \$11.81 | \$107.90 | 71 |
| Hospices | | | | | | | | | | | | | |
| Category A | 684 | x | 58% | x | 0.128 | x | 0.1 | x | (1 - 60%) = | 2 | \$11.81 | \$23.99 | 16 |
| C | 0 | x | 82% | x | 0.128 | x | 0.1 | x | (1 - 60%) = | 0 | \$9.65 | \$0.00 | 0 |
| D | 215 | x | 30% | x | 0.128 | x | 0.1 | x | (1 - 60%) = | 0 | \$11.81 | \$3.90 | 3 |
| Hemodialysis | | | | | | | | | | | | | |
| Category A | 4,684 | x | 92% | x | 0.128 | x | 0.1 | x | (1 - 93%) = | 4 | \$20.56 | \$79.38 | 30 |
| C | 477 | x | 68% | x | 0.128 | x | 0.1 | x | (1 - 93%) = | 0 | \$9.65 | \$2.80 | 2 |
| D | 141 | x | 81% | x | 0.128 | x | 0.1 | x | (1 - 93%) = | 0 | \$17.46 | \$1.79 | 1 |
| Drug Rehabilitation | | | | | | | | | | | | | |
| Category A | 283 | x | 78% | x | 0.128 | x | 0.1 | x | (1 - 77%) = | 1 | \$20.56 | \$13.36 | 5 |
| C | 0 | x | 100% | x | 0.128 | x | 0.1 | x | (1 - 77%) = | 0 | \$9.65 | \$0.00 | 0 |
| D | 0 | x | 30% | x | 0.128 | x | 0.1 | x | (1 - 77%) = | 0 | \$17.46 | \$0.00 | 0 |
| Government Clinics | | | | | | | | | | | | | |
| Category A | 16,013 | x | 73% | x | 0.128 | x | 0.1 | x | (1 - 27%) = | 109 | \$29.50 | \$3,222.18 | 853 |
| C | 0 | x | 55% | x | 0.128 | x | 0.1 | x | (1 - 27%) = | 0 | \$9.49 | \$0.00 | 0 |
| D | 0 | x | 87% | x | 0.128 | x | 0.1 | x | (1 - 27%) = | 0 | \$17.16 | \$0.00 | 0 |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | | | |
| Category A | 6,453 | x | 65% | x | 0.128 | x | 0.1 | x | (1 - 66%) = | 18 | \$17.46 | \$318.72 | 143 |
| C | 139 | x | 44% | x | 0.128 | x | 0.1 | x | (1 - 66%) = | 0 | \$9.65 | \$2.57 | 2 |
| D | 197 | x | 71% | x | 0.128 | x | 0.1 | x | (1 - 66%) = | 1 | \$11.81 | \$7.19 | 5 |

Table 5

| | | | | | | | | | | | | | |
|--------------------------|---------|---|-----|---|-------|---|-----|---|---------------|--------|----------------|--------------|--------|
| Residential Care | | | | | | | | | | | | | |
| Category A | 4,850 | x | 64% | x | 0.128 | x | 0.1 | x | (1 - 39%) = | 24 | \$12.92 | \$313.13 | 189 |
| C | 388 | x | 30% | x | 0.128 | x | 0.1 | x | (1 - 39%) = | 1 | \$9.65 | \$8.77 | 7 |
| D | 2,571 | x | 73% | x | 0.128 | x | 0.1 | x | (1 - 39%) = | 15 | \$11.81 | \$173.07 | 114 |
| Personnel Services | | | | | | | | | | | | | |
| Category A | 2,993 | x | 38% | x | 0.5 | x | 0.1 | x | (1 - 83%) = | 10 | \$14.86 | \$143.66 | 19 |
| D | 0 | x | 30% | x | 0.5 | x | 0.1 | x | (1 - 0%) = | 0 | \$9.65 | \$0.00 | 0 |
| Funeral Services | | | | | | | | | | | | | |
| Category A | 11,735 | x | 67% | x | 0.5 | x | 0.1 | x | (1 - 31%) = | 271 | \$17.43 | \$4,727.97 | 0 |
| C | 0 | x | 30% | x | 0.5 | x | 0.1 | x | (1 - 31%) = | 0 | \$9.64 | \$0.00 | 0 |
| D | 0 | x | 64% | x | 0.5 | x | 0.1 | x | (1 - 31%) = | 0 | \$9.64 | \$0.00 | 0 |
| Health Units in Industry | | | | | | | | | | | | | |
| Category A | 186,835 | x | 60% | x | 0.5 | x | 0.1 | x | (1 - 2%) = | 5,493 | \$15.09 | \$82,888.60 | 0 |
| B | 0 | x | 42% | x | 0.5 | x | 0.1 | x | (1 - 2%) = | 0 | \$17.10 | \$0.00 | 0 |
| D | 0 | x | 30% | x | 0.5 | x | 0.1 | x | (1 - 2%) = | 0 | \$9.45 | \$0.00 | 0 |
| Research Labs | | | | | | | | | | | | | |
| Category A | 494 | x | 81% | x | 0.5 | x | 0.1 | x | (1 - 70%) = | 6 | \$17.16 | \$103.00 | 0 |
| C | 0 | x | 45% | x | 0.5 | x | 0.1 | x | (1 - 70%) = | 0 | \$9.49 | \$0.00 | 0 |
| D | 0 | x | 81% | x | 0.5 | x | 0.1 | x | (1 - 70%) = | 0 | \$17.16 | \$0.00 | 0 |
| Linen Service | | | | | | | | | | | | | |
| D | 3,000 | x | 30% | x | 0.5 | x | 0.1 | x | (1 - 90%) = | 5 | \$9.75 | \$43.88 | 9 |
| Medical Equipment Repair | | | | | | | | | | | | | |
| Category A | 0 | x | 41% | x | 0.5 | x | 0.1 | x | (1 - 26%) = | 0 | \$11.56 | \$0.00 | 0 |
| B | 0 | x | 37% | x | 0.5 | x | 0.1 | x | (1 - 26%) = | 0 | \$11.56 | \$0.00 | 0 |
| C | 161 | x | 36% | x | 0.5 | x | 0.1 | x | (1 - 26%) = | 2 | \$17.10 | \$36.67 | 4 |
| D | 2,464 | x | 30% | x | 0.5 | x | 0.1 | x | (1 - 26%) = | 27 | \$17.10 | \$467.69 | 55 |
| Law Enforcement | | | | | | | | | | | | | |
| Category A | 18,993 | x | 42% | x | 0.128 | x | 0.1 | x | (1 - 96%) = | 4 | \$14.93 | \$60.98 | 0 |
| B | 2,770 | x | 92% | x | 0.128 | x | 0.1 | x | (1 - 96%) = | 1 | \$17.16 | \$22.39 | 10 |
| C | 1,444 | x | 31% | x | 0.128 | x | 0.1 | x | (1 - 96%) = | 0 | \$9.49 | \$2.18 | 2 |
| D | 4,204 | x | 46% | x | 0.128 | x | 0.1 | x | (1 - 96%) = | 1 | \$14.93 | \$14.78 | 8 |
| Fire and Rescue | | | | | | | | | | | | | |
| Category A | 10,411 | x | 89% | x | 0.5 | x | 0.1 | x | (1 - 71%) = | 134 | \$17.16 | \$2,305.51 | 269 |
| B | 857 | x | 86% | x | 0.5 | x | 0.1 | x | (1 - 71%) = | 11 | \$15.45 | \$165.11 | 21 |
| D | 2,158 | x | 92% | x | 0.5 | x | 0.1 | x | (1 - 71%) = | 29 | \$11.61 | \$334.23 | 58 |
| Correctional Facilities | | | | | | | | | | | | | |
| Category A | 3,034 | x | 54% | x | 0.128 | x | 0.1 | x | (1 - 39%) = | 13 | \$15.15 | \$193.80 | 0 |
| B | 1,887 | x | 32% | x | 0.128 | x | 0.1 | x | (1 - 39%) = | 5 | \$11.99 | \$56.53 | 37 |
| C | 459 | x | 30% | x | 0.128 | x | 0.1 | x | (1 - 39%) = | 1 | \$9.49 | \$10.20 | 8 |
| D | 3,793 | x | 31% | x | 0.128 | x | 0.1 | x | (1 - 39%) = | 9 | \$14.39 | \$132.11 | 72 |
| Lifesaving | | | | | | | | | | | | | |
| Category A | 457 | x | 76% | x | 0.5 | x | 0.1 | x | (1 - 50%) = | 9 | \$17.16 | \$149.00 | 17 |
| Schools | | | | | | | | | | | | | |
| Category A | 6,321 | x | 30% | x | 0.5 | x | 0.1 | x | (1 - 0%) = | 95 | \$14.09 | \$1,335.94 | 190 |
| D | 6,321 | x | 30% | x | 0.5 | x | 0.1 | x | (1 - 0%) = | 95 | \$11.61 | \$1,100.80 | 190 |
| Waste Removal | | | | | | | | | | | | | |
| Category A | 50 | x | 30% | x | 0.5 | x | 0.1 | x | (1 - 50%) = | 0 | <u>\$11.61</u> | \$4.35 | 1 |
| | | | | | | | | | | 11,402 | | \$213,179.60 | 41,445 |

Table 6

HBV Antibody Testing for Vaccinated Workers (Health Care Professional Time):

Hours = 3,397
 # 12 = \$117,730

Hours = # exposures x % vaccinated x health care professional time x 10% x (1 - compliance rate)

Cost = # exposures x % vaccinated x cost of HBV antibody test x 10% x (1 - compliance rate)

Assumptions:

- * percent of vaccinated = prior vaccination rate + employee participation rate x (1 - prior vaccination rate). This assumes that no previously non-vaccinated worker was offered and declined free vaccination.
- * Health care professional time is equivalent to 1/3 time required to administer the HBV vaccine.
- * Cost of HBV antibody test = \$30
- * Employee participation rate is estimated to be 10%

| | | | | | | | Hours | Item 12 Cost | #13 Cost | Responses | | |
|--------------------------------|---------|---|------|---|-------|---|-------|--------------|-----------------|-----------|----------|--------|
| Office of Physicians | | | | | | | | | | | | |
| Category A | 179,493 | x | 73% | x | 0.083 | x | 0.1 | x | (1 - 27%) = 73% | 794 | \$27,787 | 9,565 |
| C | 0 | x | 55% | x | 0.083 | x | 0.1 | x | (1 - 27%) = 73% | - | \$0 | - |
| D | 0 | x | 87% | x | 0.083 | x | 0.1 | x | (1 - 27%) = 73% | - | \$0 | - |
| Office Of Dentists | | | | | | | | | | | | |
| A | 279,485 | x | 92% | x | 0.083 | x | 0.1 | x | (1 - 19%) = 81% | 1,729 | \$60,503 | 20,827 |
| C | 43,075 | x | 44% | x | 0.083 | x | 0.1 | x | (1 - 19%) = 81% | 127 | \$4,460 | 1,535 |
| Nursing Homes | | | | | | | | | | | | |
| Category A | 35,746 | x | 38% | x | 0.083 | x | 0.1 | x | (1 - 31%) = 69% | 78 | \$2,723 | 937 |
| C | 5,002 | x | 31% | x | 0.083 | x | 0.1 | x | (1 - 31%) = 69% | 9 | \$311 | 107 |
| D | 4,636 | x | 30% | x | 0.083 | x | 0.1 | x | (1 - 31%) = 69% | 8 | \$279 | 96 |
| Hospitals | | | | | | | | | | | | |
| Category A | 254,449 | x | 77% | x | 0.083 | x | 0.1 | x | (1 - 76%) = 24% | 390 | \$13,660 | 4,702 |
| B | 34,579 | x | 77% | x | 0.083 | x | 0.1 | x | (1 - 76%) = 24% | 53 | \$1,856 | 639 |
| C | 30,799 | x | 62% | x | 0.083 | x | 0.1 | x | (1 - 76%) = 24% | 38 | \$1,331 | 458 |
| Medical and Dental Labs | | | | | | | | | | | | |
| Category A | 5,177 | x | 79% | x | 0.083 | x | 0.1 | x | (1 - 86%) = 14% | 5 | \$166 | 57 |
| B | 0 | x | 38% | x | 0.083 | x | 0.1 | x | (1 - 86%) = 14% | - | - | - |
| C | 487 | x | 30% | x | 0.083 | x | 0.1 | x | (1 - 86%) = 14% | 0 | \$6 | 2 |
| Home Health | | | | | | | | | | | | |
| Category A | 6,244 | x | 52% | x | 0.083 | x | 0.1 | x | (1 - 67%) = 33% | 9 | \$311 | 107 |
| C | 0 | x | 30% | x | 0.083 | x | 0.1 | x | (1 - 67%) = 33% | - | - | - |
| D | 2,575 | x | 84% | x | 0.083 | x | 0.1 | x | (1 - 67%) = 33% | 6 | \$207 | 71 |
| Hospices | | | | | | | | | | | | |
| Category A | 684 | x | 58% | x | 0.083 | x | 0.1 | x | (1 - 60%) = 40% | 1 | \$46 | 16 |
| C | 0 | x | 82% | x | 0.083 | x | 0.1 | x | (1 - 60%) = 40% | - | - | - |
| D | 215 | x | 30% | x | 0.083 | x | 0.1 | x | (1 - 60%) = 40% | 0 | \$7 | 3 |
| Hemodialysis | | | | | | | | | | | | |
| Category A | 4,684 | x | 92% | x | 0.083 | x | 0.1 | x | (1 - 93%) = 7% | 3 | \$88 | 30 |
| C | 477 | x | 58% | x | 0.083 | x | 0.1 | x | (1 - 93%) = 7% | 0 | \$6 | 2 |
| D | 141 | x | 81% | x | 0.083 | x | 0.1 | x | (1 - 93%) = 7% | 0 | \$2 | 1 |
| Drug Rehabilitation | | | | | | | | | | | | |
| Category A | 283 | x | 78% | x | 0.083 | x | 0.1 | x | (1 - 77%) = 23% | 0 | \$15 | 5 |
| C | 0 | x | 100% | x | 0.083 | x | 0.1 | x | (1 - 77%) = 23% | - | - | - |
| D | 0 | x | 30% | x | 0.083 | x | 0.1 | x | (1 - 77%) = 23% | - | - | - |

Table 6

| | | | | | | | | | | | | |
|------------------------------------|---------|---|-----|---|---------|---|-----|---|-----------------|----|-----------|-----|
| Government Clinics | | | | | | | | | | | | |
| Category A | 16,013 | x | 73% | x | 0.083 | x | 0.1 | x | (1 - 27%) = 73% | 71 | \$2,479 | 853 |
| C | 0 | x | 55% | x | 0.083 | x | 0.1 | x | (1 - 27%) = 73% | - | | - |
| D | 0 | x | 87% | x | 0.083 | x | 0.1 | x | (1 - 27%) = 73% | - | | - |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | | |
| Category A | 6,453 | x | 65% | x | 0.083 | x | 0.1 | x | (1 - 66%) = 44% | 15 | \$536 | 185 |
| C | 139 | x | 44% | x | 0.083 | x | 0.1 | x | (1 - 66%) = 54% | 0 | \$10 | 3 |
| D | 197 | x | 51% | x | 0.083 | x | 0.1 | x | (1 - 66%) = 54% | 0 | \$16 | 5 |
| Residential Care | | | | | | | | | | | | |
| Category A | 4,850 | x | 64% | x | 0.083 | x | 0.1 | x | (1 - 39%) = 61% | 16 | \$550 | 189 |
| C | 388 | x | 30% | x | 0.083 | x | 0.1 | x | (1 - 39%) = 61% | 1 | \$21 | 7 |
| D | 2,571 | x | 73% | x | 0.083 | x | 0.1 | x | (1 - 39%) = 61% | 10 | \$333 | 114 |
| Personnel Services | | | | | | | | | | | | |
| Category A | 2,993 | x | 38% | x | \$30.00 | x | 0.1 | x | (1 - 83%) = 17% | | \$580 | |
| D | 0 | x | 30% | x | \$30.00 | x | 0.1 | x | (1 - 0%) = 100% | | \$0 | |
| Funeral Services | | | | | | | | | | | | |
| Category A | 11,735 | x | 67% | x | \$30.00 | x | 0.1 | x | (1 - 31%) = 69% | | \$16,275 | |
| C | 0 | x | 30% | x | \$30.00 | x | 0.1 | x | (1 - 31%) = 69% | | \$0 | |
| D | 0 | x | 64% | x | \$30.00 | x | 0.1 | x | (1 - 31%) = 69% | | \$0 | |
| Health Units in Industry | | | | | | | | | | | | |
| Category A | 186,835 | x | 60% | x | \$30.00 | x | 0.1 | x | (1 - 2%) = 98% | | \$329,577 | |
| B | 0 | x | 42% | x | \$30.00 | x | 0.1 | x | (1 - 2%) = 98% | | \$0 | |
| C | 0 | x | 30% | x | \$30.00 | x | 0.1 | x | (1 - 2%) = 98% | | \$0 | |
| Research Labs | | | | | | | | | | | | |
| Category A | 494 | x | 81% | x | \$30.00 | x | 0.1 | x | (1 - 70%) = 30% | | \$360 | |
| C | 0 | x | 45% | x | \$30.00 | x | 0.1 | x | (1 - 70%) = 30% | | \$0 | |
| D | 0 | x | 81% | x | \$30.00 | x | 0.1 | x | (1 - 70%) = 30% | | \$0 | |
| Linen Services | | | | | | | | | | | | |
| Category D | 3,000 | x | 30% | x | \$30.00 | x | 0.1 | x | (1 - 90%) = 10% | | \$270 | |
| Medical Equipment Repair | | | | | | | | | | | | |
| Category A | 0 | x | 41% | x | \$30.00 | x | 0.1 | x | (1 - 26%) = 74% | | \$0 | |
| B | 0 | x | 37% | x | \$30.00 | x | 0.1 | x | (1 - 26%) = 74% | | \$0 | |
| C | 161 | x | 36% | x | \$30.00 | x | 0.1 | x | (1 - 26%) = 74% | | \$129 | |
| D | 2,464 | x | 30% | x | \$30.00 | x | 0.1 | x | (1 - 26%) = 74% | | \$1,641 | |
| Law Enforcement | | | | | | | | | | | | |
| Category A | 18,993 | x | 42% | x | 0.083 | x | 0.1 | x | (1 - 96%) = 4% | 3 | \$3 | 32 |
| B | 2,770 | x | 92% | x | 0.083 | x | 0.1 | x | (1 - 96%) = 4% | 1 | \$1 | 10 |
| C | 1,444 | x | 31% | x | 0.083 | x | 0.1 | x | (1 - 96%) = 4% | 0 | \$0 | 2 |
| D | 4,204 | x | 46% | x | 0.083 | x | 0.1 | x | (1 - 96%) = 4% | 1 | \$1 | 8 |
| Fire and Rescure | | | | | | | | | | | | |
| Category A | 10,411 | x | 89% | x | \$30.00 | x | 0.1 | x | (1 - 71%) = 29% | | \$8,061 | |
| B | 857 | x | 86% | x | \$30.00 | x | 0.1 | x | (1 - 71%) = 29% | | \$641 | |
| D | 2,158 | x | 92% | x | \$30.00 | x | 0.1 | x | (1 - 71%) = 29% | | \$1,727 | |
| Correctional Facilities | | | | | | | | | | | | |
| Category A | 3,034 | x | 54% | x | 0.083 | x | 0.1 | x | (1 - 30%) = 61% | 14 | \$8 | 100 |
| B | 1,887 | x | 32% | x | 0.083 | x | 0.1 | x | (1 - 30%) = 61% | 5 | \$3 | 37 |
| C | 459 | x | 30% | x | 0.083 | x | 0.1 | x | (1 - 30%) = 61% | 1 | \$1 | 8 |
| D | 3,793 | x | 31% | x | 0.083 | x | 0.1 | x | (1 - 30%) = 61% | 10 | \$6 | 72 |

Table 6

| | | | | | | | | | | | | | |
|----------------------|-------|---|-----|---|---------|---|-----|---|-----------------|--------------|------------------|------------------|---------------|
| Lifesaving | | | | | | | | | | | | | |
| Category A | 457 | x | 76% | x | \$30.00 | x | 0.1 | x | (1 - 50%) = 50% | \$521 | | | |
| Schools | | | | | | | | | | | | | |
| Category A | 6,321 | x | 30% | x | \$30.00 | x | 0.1 | x | (1 - 0%) = 100% | \$5,689 | | | |
| D | 6,321 | x | 30% | x | \$30.00 | x | 0.1 | x | (1 - 0%) = 100% | \$5,689 | | | |
| Waste Removal | | | | | | | | | | | | | |
| Category D | 50 | x | 30% | x | \$30.00 | x | 0.1 | x | (1 - 50%) = 50% | \$23 | | | |
| Total | | | | | | | | | | 3,397 | \$117,730 | \$371,183 | 40,788 |

HBV Antibody Testing for Non-Vaccinated Workers (Employee Time)

Table 7

Hours = 1,622

#12 = \$26,254

HOURS = # of exposures x (1-% vaccinated) x employee time x (source participation rate x sources refusing test x % exposures attributable to high risk group) x (1-compliance rate)

ASSUMPTIONS:

- * Percent vaccinated * prior vaccination rate + employee participation rate x (1 - prior vaccination rate). This assumes that no previously non-vaccinated worker was offered and declined free vaccination.
- * Employee time is equivalent to 1/3 of the time required to receive the HBV vaccination.
- * 50% of sources will agree to be tested: 50% of sources will refuse to be tested.
- * For exposures where the source agree to be tested, the estimated percent of exposures in which the non-vaccinated employee would agree to be tested is equivalent to the RSS, since employees would most likely only be tested if the source was found to be positive.
- * 5% of exposures are attributable to a matter of a high risk group.
- * For classes where the sources refuse to be tested, non-vaccinated workers will agree to be tested for the 5% of the exposures that are attributable to a member of a high risk group.

| | | | | | <u>HOURS</u> | <u>#12</u> | <u>Responses</u> |
|--------------------------|---------|------------------|--|--|--------------|------------|------------------|
| Office of the Physicians | | | | | | | |
| Category A | 179,493 | * (1 - 73%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 27%) = | | 123 \$ | 3,683 | 959 |
| C | - | * (1 - 55%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 27%) = | | 0 \$ | - | - |
| D | - | * (1 - 87%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 27%) = | | 0 \$ | - | - |
| Office of Dentists | | | | | | | |
| Category A | 279,485 | * (1 - 92%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 19%) = | | 63 \$ | 1,452 | 491 |
| C | 43,075 | * (1 - 44%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 19%) = | | 68 \$ | 654 | 530 |
| Nursing Homes | | | | | | | |
| Category A | 35,746 | * (1 - 38%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 31%) = | | 53 \$ | 651 | 414 |
| C | 5,002 | * (1 - 31%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 31%) = | | 8 \$ | 80 | 65 |
| D | 4,636 | * (1 - 30%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 31%) = | | 8 \$ | 75 | 61 |
| Hospitals | | | | | | | |
| Category A | 254,449 | * (1 - 77%) * | 0.128 * (50% * 1.25% + 50% x 5%) x (1 - 76%) = | | 56 \$ | 960 | 439 |
| B | 34,579 | * (1 - 77%) * | 0.128 * (50% * 1.25% + 50% x 5%) x (1 - 76%) = | | 8 \$ | 134 | 60 |
| C | 30,799 | * (1 - 62%) * | 0.128 * (50% * 1.25% + 50% x 5%) x (1 - 76%) = | | 11 \$ | 109 | 88 |
| Medical and Dental Labs | | | | | | | |
| Category A | 5,177 | * (1 - 79%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 86%) = | | 1 \$ | 11 | 4 |
| C | - | * (1 - 38%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 86%) = | | - \$ | - | - |
| D | 487 | * (1 - 30%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 86%) = | | 0 \$ | 2 | 1 |
| Home Health Care | | | | | | | |
| Category A | 6,244 | * (1 - 52%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 67%) = | | 3 \$ | 41 | 27 |
| C | - | * (1 - 30%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 67%) = | | - \$ | - | - |
| D | 2,575 | * (1 - 84%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 67%) = | | 0 \$ | 6 | 4 |
| Hospices | | | | | | | |
| Category A | 684 | * (1 - 58%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 60%) = | | 0 \$ | 5 | 3 |
| C | - | * (1 - 82%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 60%) = | | - \$ | - | - |
| D | 215 | * (1 - 30%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 60%) = | | 0 \$ | 2 | 2 |
| Hemodialysis | | | | | | | |
| Category A | 4,684 | * (1 - 92%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 93%) = | | 0 \$ | 2 | 1 |
| C | 477 | * (1 - 68%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 93%) = | | 0 \$ | 0 | 0 |
| D | 141 | * (1 - 81%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 93%) = | | 0 \$ | 0 | 0 |
| Drug Rehabilitation | | | | | | | |
| Category A | 283 | * (1 - 78%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 77%) = | | 0 \$ | 1 | 0 |
| C | - | * (1 - 100%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 77%) = | | - \$ | - | - |
| D | - | * (1 - 30%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 77%) = | | - \$ | - | - |
| Government Clinics | | | | | | | |
| Category A | 16,013 | * (1 - 73%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 27%) = | | 11 \$ | 323 | 86 |
| C | 0.00 | * (1 - 55%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 27%) = | | - \$ | - | - |

HBV Antibody Testing for Non-Vaccinated Workers (Employee Time)

Table 7

Hours = 1,622

#12 = \$26,254

| | | | | | | |
|------------------------------------|-------------------------|---|-----|----|--------|-------|
| D | 0.00 * (1 - 87%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 27%) = | - | \$ | - | - |
| Blood/Plasma/Tissue Centers | | | | | | |
| Category A | 6,453 * (1 - 65%) * | 0.128 * (50% * 10.00% + 50% x 5%) x (1 - 66%) = | 7 | \$ | 129 | 58 |
| C | 139 * (1 - 44%) * | 0.128 * (50% * 10.00% + 50% x 5%) x (1 - 66%) = | 0 | \$ | 2 | 2 |
| D | 197 * (1 - 71%) * | 0.128 * (50% * 10.00% + 50% x 5%) x (1 - 66%) = | 0 | \$ | 2 | 1 |
| Residential Care | | | | | | |
| Category A | 4,850 * (1 - 64%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 39%) = | 4 | \$ | 48 | 29 |
| C | 388 * (1 - 30%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 39%) = | 1 | \$ | 6 | 4 |
| D | 2,571 * (1 - 73%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 39%) = | 1 | \$ | 17 | 11 |
| Personnel Services | | | | | | |
| Category A | 2,993 * (1 - 38%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 83%) = | 4 | \$ | 64 | 9 |
| D | 0.00 * (1 - 30%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 0%) = | - | | 0 | - |
| Funeral Services | | | | | | |
| Category A | 11,735 * (1 - 67%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 31%) = | 36 | \$ | 631 | 72 |
| C | 0.00 * (1 - 30%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 31%) = | - | | 0 | - |
| D | 0.00 * (1 - 64%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 31%) = | - | | 0 | - |
| Health Units in Industry | | | | | | |
| Category A | 186,835 * (1 - 60%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 2%) = | 992 | \$ | 14,975 | 1,985 |
| B | 0.00 * (1 - 42%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 2%) = | 0 | | 0 | - |
| D | 0.00 * (1 - 30%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 2%) = | 0 | | 0 | - |
| Research Labs | | | | | | |
| Category A | 494 * (1 - 81%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 70%) = | 0 | \$ | 7 | 1 |
| C | 0.00 * (1 - 45%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 70%) = | 0 | \$ | - | - |
| D | 0.00 * (1 - 81%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 70%) = | 0 | \$ | - | - |
| Linen Service | | | | | | |
| D | 3,000 * (1 - 30%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 90%) = | 3 | \$ | 28 | 6 |
| Medical Equipment Repair | | | | | | |
| Category A | 0.00 * (1 - 41%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 26%) = | 0 | \$ | - | - |
| B | 0.00 * (1 - 37%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 26%) = | 0 | \$ | - | - |
| C | 161 * (1 - 36%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 26%) = | 1 | \$ | 18 | 2 |
| D | 2,464 * (1 - 30%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 26%) = | 17 | \$ | 296 | 35 |
| Law Enforcement | | | | | | |
| Category A | 18,993 * (1 - 42%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 96%) = | 2 | \$ | 23 | 12 |
| B | 2,770 * (1 - 92%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 96%) = | 0 | \$ | 1 | 0 |
| C | 1,444 * (1 - 31%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 96%) = | 0 | \$ | 1 | 1 |
| D | 4,204 * (1 - 46%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 96%) = | 0 | \$ | 5 | 2 |
| Fire and Rescue | | | | | | |
| Category A | 10,411 * (1 - 89%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 71%) = | 5 | \$ | 77 | 9 |
| B | 857 * (1 - 86%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 71%) = | 0 | \$ | 7 | 1 |
| D | 2,158 * (1 - 92%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 71%) = | 1 | \$ | 8 | 1 |
| Correctional Facilities | | | | | | |
| Category A | 3,034 * (1 - 54%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 39%) = | 3 | \$ | 45 | 23 |
| B | 1,887 * (1 - 32%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 39%) = | 3 | \$ | 33 | 21 |
| C | 459 * (1 - 30%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 39%) = | 1 | \$ | 6 | 5 |
| D | 3,793 * (1 - 31%) * | 0.128 * (50% * 0.42% + 50% x 5%) x (1 - 39%) = | 6 | \$ | 83 | 43 |
| Lifesaving | | | | | | |
| Category A | 457 * (1 - 78%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 50%) = | 1 | \$ | 12 | 1 |
| Schools | | | | | | |
| Category A | 6,321 * (1 - 30%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 0%) = | 60 | \$ | 845 | 120 |
| D | 6,321 * (1 - 30%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 0%) = | 60 | \$ | 696 | 120 |
| Waste Removal | | | | | | |
| Category A | 50 * (1 - 30%) * | 0.500 * (50% * 0.42% + 50% x 5%) x (1 - 50%) = | 0 | \$ | 3 | 0 |

HBV Antibody Testing for Non-Vaccinated Workers (Employee Time)

Hours = 1,622
#12 = \$26,254

Table 7

1,622 \$ 26,254 5,809

Table 8

HBV Antibody Testing for Non-Vaccinated Workers (Health Care Professional Time)

Hours = # exposures x (1 - % vaccinated) x health care professional time x (source acceptance rate x RRS + % sources refusing test x % exposures attributable to high risk group) x (1 - compliance rate)

Cost - # exposures x (1 - % vaccinated) x cost of HBV antibody test x (source acceptance rate x RSS + % sources refusing test x % exposures attributable to high risk group) x (1 - compliance rate)

Assumptions

- * percent vaccinated = prior vaccination rate + employee participation rate x (1 - prior vaccination rate. This assumes that no previously non-vaccinated worker was offered and declined free vaccination
- * Health care professional time is equivalent to 1/3 of the time required to administer the HBV vaccination
- * 50% of sources will agree to be tested, 50% of sources will refuse to be tested
- * For exposures where the source agrees to be tested, the estimated percent of exposures in which the non-vaccinated employee would agree to be tested, is equivalent to the RSS, since employees would most likely only be tested if the source was found to be positive.
- * 5% of exposures are attributable to a member of a high risk group.
- * Cost of HBV antibody test = \$30.
- * For cases where the source refuses to be tested, non-vaccinated workers will agree to be tested for the 5% of the exposures that are attributable to a member of a high risk group.

| | | | | | | | | | | | | | Hours | Cost | Item#13 | Responses | | |
|--------------------------------|---------|-------------|-----|---|-------|----------|---|-------|---|-----|---|----|---------------|------|---------|-----------|---------|-----|
| Office of Physicians | | | | | | | | | | | | | | | | | | |
| Category A | 179,493 | x (1 - 73%) | 27% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 27%) | 73% | = | 80 | \$2,785 | 959 |
| C | 0 | x (1 - 55%) | 45% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 27%) | 73% | = | 0 | | 0 |
| D | 0 | x (1 - 87%) | 13% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 27%) | 73% | = | 0 | | 0 |
| Office Of Dentists | | | | | | | | | | | | | | | | | | |
| A | 279,485 | x (1 - 92%) | 8% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 19%) | 81% | = | 41 | \$1,426 | 491 |
| C | 43,075 | x (1 - 44%) | 56% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 19%) | 81% | = | 44 | \$1,538 | 530 |
| Nursing Homes | | | | | | | | | | | | | | | | | | |
| Category A | 35,746 | x (1 - 38%) | 62% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 31%) | 69% | = | 34 | \$1,204 | 414 |
| C | 5,002 | x (1 - 31%) | 69% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 31%) | 69% | = | 5 | \$187 | 65 |
| D | 4,636 | x (1 - 30%) | 70% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 31%) | 69% | = | 5 | \$176 | 61 |
| Hospitals | | | | | | | | | | | | | | | | | | |
| Category A | 254,449 | x (1 - 77%) | 23% | x | 0.083 | x (50% | x | 1.25% | + | 50% | x | 5% |) x (1 - 76%) | 24% | = | 36 | \$1,275 | 439 |
| B | 34,579 | x (1 - 77%) | 23% | x | 0.083 | x (50% | x | 1.25% | + | 50% | x | 5% |) x (1 - 76%) | 24% | = | 5 | \$173 | 60 |
| C | 30,799 | x (1 - 62%) | 38% | x | 0.083 | x (50% | x | 1.25% | + | 50% | x | 5% |) x (1 - 76%) | 24% | = | 7 | \$255 | 88 |
| Medical and Dental Labs | | | | | | | | | | | | | | | | | | |
| Category A | 5,177 | x (1 - 79%) | 21% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 86%) | 14% | = | 0 | | 4 |
| B | 0 | x (1 - 38%) | 62% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 6% |) x (1 - 86%) | 14% | = | 0 | | 0 |
| C | 487 | x (1 - 30%) | 70% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 6% |) x (1 - 86%) | 14% | = | 0 | | 2 |
| Home Health | | | | | | | | | | | | | | | | | | |
| Category A | 6,244 | x (1 - 52%) | 48% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 67%) | 33% | = | 2 | \$78 | 27 |
| C | 0 | x (1 - 30%) | 70% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 67%) | 33% | = | 0 | | 0 |
| D | 2,575 | x (1 - 84%) | 16% | x | 0.083 | x (50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 67%) | 33% | = | 0 | | 4 |
| Hospices | | | | | | | | | | | | | | | | | | |
| Category A | 684 | x (1 - 58%) | 42% | x | 0.083 | x ((50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 60%) | 40% | = | 0 | | 3 |
| C | 0 | x (1 - 82%) | 18% | x | 0.083 | x ((50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 60%) | 40% | = | 0 | | 0 |
| D | 215 | x (1 - 30%) | 70% | x | 0.083 | x ((50% | x | 0.42% | + | 50% | x | 5% |) x (1 - 60%) | 40% | = | 0 | | 2 |

| | | | | | | | | | | | | | | Table 8 | | | | | | | | |
|------------------------------------|---------|---|------------|------|---|----------|---|------|---|-------|---|-----|---|----------------|---|-----------|------|---|---|-------|--------|----|
| Hemodialysis | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 4,684 | x | (1 - 92%) | 8% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 93%) | 7% | = | 0 | | | 1 |
| C | 477 | x | (1 - 58%) | 42% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 93%) | 7% | = | 0 | | | 0 |
| D | 141 | x | (1 - 81%) | 19% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 93%) | 7% | = | 0 | | | 0 |
| Drug Rehabilitation | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 283 | x | (1 - 78%) | 22% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 77%) | 23% | = | 0 | | | 0 |
| C | 0 | x | (1 - 100%) | 100% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 77%) | 23% | = | 0 | | | 0 |
| D | 0 | x | (1 - 30%) | 70% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 77%) | 23% | = | 0 | | | 0 |
| Government Clinics | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 16,013 | x | (1 - 73%) | 27% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 27%) | 73% | = | 7 | \$229 | | 79 |
| C | 0 | x | (1 - 55%) | 45% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 27%) | 73% | = | 0 | | | 0 |
| D | 0 | x | (1 - 87%) | 13% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 27%) | 73% | = | 0 | | | 0 |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 6,453 | x | (1 - 65%) | 35% | x | 0.083 | x | (50% | x | 0.10% | + | 50% | x | 5%) | x | (1 - 66%) | 34% | = | 2 | \$56 | | 19 |
| C | 139 | x | (1 - 44%) | 56% | x | 0.083 | x | (50% | x | 0.10% | + | 50% | x | 5%) | x | (1 - 66%) | 34% | = | 0 | | | 1 |
| D | 197 | x | (1 - 51%) | 49% | x | 0.083 | x | (50% | x | 0.10% | + | 50% | x | 5%) | x | (1 - 66%) | 34% | = | 0 | | | 1 |
| Residential Care | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 4,850 | x | (1 - 64%) | 36% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 39%) | 61% | = | 2 | \$77 | | 27 |
| C | 388 | x | (1 - 30%) | 70% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 39%) | 61% | = | 0 | | | 4 |
| D | 2,571 | x | (1 - 73%) | 27% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 39%) | 61% | = | 1 | \$31 | | 11 |
| Personnel Services | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 2,993 | x | (1 - 38%) | 62% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 83%) | 17% | = | | \$ | 237 | |
| D | 0 | x | (1 - 30%) | 70% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 0%) | 100% | = | | \$ | - | |
| Funeral Services | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 11,735 | x | (1 - 67%) | 33% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 31%) | 69% | = | | \$ | 2,004 | |
| C | 0 | x | (1 - 30%) | 70% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 31%) | 69% | = | | \$ | - | |
| D | 0 | x | (1 - 64%) | 36% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 31%) | 69% | = | | \$ | - | |
| Health Units in Industry | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 186,835 | x | (1 - 60%) | 40% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 2%) | 98% | = | | \$ | 54,929 | |
| B | 0 | x | (1 - 42%) | 58% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 2%) | 98% | = | | \$ | - | |
| C | 0 | x | (1 - 30%) | 70% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 6%) | x | (1 - 2%) | 98% | = | | \$ | - | |
| Research Labs | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 494 | x | (1 - 81%) | 19% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 70%) | 30% | = | | \$ | 21 | |
| C | 0 | x | (1 - 45%) | 55% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 6%) | x | (1 - 70%) | 30% | = | | \$ | - | |
| D | 0 | x | (1 - 81%) | 19% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 6%) | x | (1 - 70%) | 30% | = | | \$ | - | |
| Linen Services | | | | | | | | | | | | | | | | | | | | | | |
| Category I | 3,000 | x | (1 - 30%) | 70% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 90%) | 10% | = | | \$ | 158 | |
| Medical Equipment Repair | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 0 | x | (1 - 41%) | 59% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 26%) | 74% | = | | \$ | - | |
| B | 0 | x | (1 - 37%) | 63% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 26%) | 74% | = | | \$ | - | |
| C | 161 | x | (1 - 36%) | 64% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 26%) | 74% | = | | \$ | 57 | |
| D | 2,464 | x | (1 - 30%) | 70% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 26%) | 74% | = | | \$ | 957 | |
| Law Enforcement | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 18,993 | x | (1 - 42%) | 58% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 96%) | 4% | = | 1 | \$32 | | 11 |
| B | 2,770 | x | (1 - 92%) | 8% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 96%) | 4% | = | 0 | | | 0 |
| C | 1,444 | x | (1 - 31%) | 69% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 96%) | 4% | = | 0 | | | 1 |
| D | 4,204 | x | (1 - 46%) | 54% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 96%) | 4% | = | 0 | | | 2 |
| Fire and Rescure | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 10,411 | x | (1 - 89%) | 11% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 71%) | 29% | = | | \$ | 249 | |
| B | 857 | x | (1 - 86%) | 14% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 71%) | 29% | = | | \$ | 26 | |
| D | 2,158 | x | (1 - 92%) | 8% | x | \$ 30.00 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 71%) | 29% | = | | \$ | 38 | |
| Correctional Facilities | | | | | | | | | | | | | | | | | | | | | | |
| Category A | 3,034 | x | (1 - 54%) | 46% | x | 0.083 | x | (50% | x | 0.42% | + | 50% | x | 5%) | x | (1 - 30%) | 70% | = | 2 | \$71 | | 24 |

| | | | | | | | | | | | | | | | | | | | | |
|--|-------|-------------|-----|---|----------|-----|------|---|-------|-------|---|------|---|-----------|------|---|------------|----------------|------------------|-----------------|
| B | 1,887 | x (1 - 32%) | 68% | x | 0.083 | x (| (50% | x | 0.42% | + 50% | x | 5%) | x | (1 - 30%) | 70% | = | 2 | \$65 | 22 | |
| C | 459 | x (1 - 30%) | 70% | x | 0.083 | x (| (50% | x | 0.42% | + 50% | x | 5%) | x | (1 - 30%) | 70% | = | 0 | | 6 | |
| D | 3,793 | x (1 - 31%) | 69% | x | 0.083 | x (| (50% | x | 0.42% | + 50% | x | 5%) | x | (1 - 30%) | 70% | = | 4 | \$133 | 46 | |
| Lifesaving Category A Schools | 457 | x (1 - 76%) | 24% | x | \$ 30.00 | x (| (50% | x | 0.42% | + 50% | x | 5%) | x | (1 - 50%) | 50% | = | | \$ 41 | | |
| Category A | 6,321 | x (1 - 30%) | 70% | x | \$ 30.00 | x (| (50% | x | 0.42% | + 50% | x | 5%) | x | (1 - 0%) | 100% | = | | \$ 3,319 | | |
| D | 6,321 | x (1 - 30%) | 70% | x | \$ 30.00 | x (| (50% | x | 0.42% | + 50% | x | 5%) | x | (1 - 0%) | 100% | = | | \$ 3,319 | | |
| Waste Removal Category D | 50 | x (1 - 30%) | 70% | x | \$ 30.00 | x (| (50% | x | 0.42% | + 50% | x | 5%) | x | (1 - 50%) | 50% | = | | \$ 13 | | |
| TOTALS | | | | | | | | | | | | | | | | | 282 | \$9,792 | \$ 65,367 | 3,400.71 |

Table #9

Hepatitis B Immune Globulin (HBIG): Vaccinated Employees (Employee Time)

Hours = # exposures x % vaccinated x 10% x 4% x employee time x (source participation rate x (RSS)
 + (% of source refusing test * 5%) x (1-compliance rate)

Assumptions:

*HBIG will be considered whenever a source is tested and found to be positive
 and whenever a high risk source refuses to be tested.

*HBIG will be offered only to those vaccinated employees who are found to be non-responders.

*4% of employees will be non-responders and 10% of these workers will request tests.

*Employee time is equivalent to 1/3 time required to receive the HBV vaccination.

*Source will agree to be tested in 50% of exposure incidents.

| | | | | | | | | | | Hours | Costs | Responses | | |
|-------------------------|---------|---|-----|---|-----|---|----|---|-------|-------|--------------------------------------|---------------|----------|----------|
| Office of Physicians | | | | | | | | | | | | | | |
| Category A | 179,493 | x | 73% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-25%) | 75% = 1.36355 | \$ 40.93 | 10.65273 |
| C | 0 | x | 55% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-25%) | 75% = 0.00000 | \$ - | 0.00000 |
| D | 0 | x | 87% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-25%) | 75% = 0.00000 | \$ - | 0.00000 |
| Office of Dentists | | | | | | | | | | | | | | |
| Category A | 279,485 | x | 92% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-11%) | 89% = 3.17523 | \$ 95.32 | 24.80651 |
| C | 43,075 | x | 44% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-11%) | 89% = 0.23405 | \$ 7.03 | 1.82851 |
| Nursing Homes | | | | | | | | | | | | | | |
| Category A | 35,746 | x | 38% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-35%) | 65% = 0.12251 | \$ 3.68 | 0.95709 |
| C | 5,002 | x | 31% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-35%) | 65% = 0.01398 | \$ 0.42 | 0.10926 |
| D | 4,636 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-35%) | 65% = 0.01254 | \$ 0.38 | 0.09800 |
| Hospitals | | | | | | | | | | | | | | |
| Category A | 254,449 | x | 77% | x | 10% | x | 4% | x | 0.128 | x | (50% x 1.25% + 50% x 5%) x (1-74%) | 16% = 0.50157 | \$ 15.06 | 3.91851 |
| B | 34,579 | x | 77% | x | 10% | x | 4% | x | 0.128 | x | (50% x 1.25% + 50% x 5%) x (1-74%) | 16% = 0.06816 | \$ 2.05 | 0.53252 |
| C | 30,799 | x | 62% | x | 10% | x | 4% | x | 0.128 | x | (50% x 1.25% + 50% x 5%) x (1-74%) | 16% = 0.04888 | \$ 1.47 | 0.38191 |
| Medical and Dental Labs | | | | | | | | | | | | | | |
| Category A | 5,177 | x | 79% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-38%) | 62% = 0.03518 | \$ 1.06 | 0.27487 |
| C | 0 | x | 38% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-38%) | 62% = 0.00000 | \$ - | 0.00000 |
| D | 487 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-38%) | 62% = 0.00126 | \$ 0.04 | 0.00982 |
| Home Health | | | | | | | | | | | | | | |
| Category A | 6,244 | x | 52% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-61%) | 39% = 0.01757 | \$ 0.53 | 0.13727 |
| C | 0 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-61%) | 39% = 0.00000 | \$ - | 0.00000 |
| D | 2,575 | x | 84% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-61%) | 39% = 0.01170 | \$ 0.35 | 0.09144 |
| Hospices | | | | | | | | | | | | | | |
| Category A | 684 | x | 58% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-39%) | 61% = 0.00336 | \$ 0.10 | 0.02623 |
| C | 0 | x | 82% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-39%) | 61% = 0.00000 | \$ - | 0.00000 |

Table #9

| | | | | | | | | | | | | | | | | | |
|----------------------------|---------|---|------|---|-----|---|----|---|-------|---|--------------------------------------|--------|---------|----|--------|----------|--|
| D | 215 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-39%) | 61% = | 0.00055 | \$ | 0.02 | 0.00426 | |
| Hemodialysis | | | | | | | | | | | | | | | | | |
| Category A | 4,684 | x | 92% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-72%) | 28% = | 0.01674 | \$ | 0.50 | 0.13080 | |
| C | 477 | x | 68% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-72%) | 28% = | 0.001 | \$ | 0.04 | 0.00984 | |
| D | 141 | x | 81% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-72%) | 28% = | 0.0004 | \$ | 0.01 | 0.00347 | |
| Drug Rehabilitation | | | | | | | | | | | | | | | | | |
| Category A | 283 | x | 78% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-30%) | 70% = | 0.0021 | \$ | 0.06 | 0.01675 | |
| C | 0 | x | 100% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-30%) | 70% = | 0.0000 | \$ | - | 0.00000 | |
| D | 0 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-30%) | 70% = | 0.0000 | \$ | - | 0.00000 | |
| Government Clinics | | | | | | | | | | | | | | | | | |
| Category A | 16,013 | x | 73% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-25%) | 75% = | 0.1216 | \$ | 3.65 | 0.95036 | |
| C | 0 | x | 55% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-25%) | 75% = | 0.0000 | \$ | - | 0.00000 | |
| D | 0 | x | 87% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-25%) | 75% = | 0.0000 | \$ | - | 0.00000 | |
| Food/Plasma/Tissue Centers | | | | | | | | | | | | | | | | | |
| Category A | 6,453 | x | 65% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-58%) | 42% = | 0.0244 | \$ | 0.73 | 0.19096 | |
| C | 139 | x | 44% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-58%) | 42% = | 0.0004 | \$ | 0.01 | 0.00278 | |
| D | 197 | x | 71% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-58%) | 42% = | 0.0008 | \$ | 0.02 | 0.00637 | |
| Residential Care | | | | | | | | | | | | | | | | | |
| Category A | 4,850 | x | 64% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-34%) | 66% = | 0.0284 | \$ | 0.85 | 0.22207 | |
| C | 388 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-34%) | 66% = | 0.0011 | \$ | 0.03 | 0.00833 | |
| D | 2,571 | x | 73% | x | 10% | x | 4% | x | 0.128 | x | (50% x 0.42% + 50% x 5%) x (1-34%) | 66% = | 0.0172 | \$ | 0.52 | 0.13428 | |
| Personnel Services | | | | | | | | | | | | | | | | | |
| Category A | 2,993 | x | 38% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-80%) | 20% = | 0.0123 | \$ | 0.37 | 0.02466 | |
| D | 0 | x | 30% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-0%) | 100% = | 0.0000 | \$ | - | 0.00000 | |
| Funeral Services | | | | | | | | | | | | | | | | | |
| Category A | 11,735 | x | 67% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-20%) | 80% = | 0.3409 | \$ | 10.23 | 0.68183 | |
| C | 0 | x | 30% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-20%) | 80% = | 0.0000 | \$ | - | 0.00000 | |
| D | 0 | x | 64% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-20%) | 80% = | 0.0000 | \$ | - | 0.00000 | |
| Health Units in Industry | | | | | | | | | | | | | | | | | |
| Category A | 186,835 | x | 60% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-14%) | 86% = | 5.2253 | \$ | 156.86 | 10.45050 | |
| B | 0 | x | 42% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-14%) | 86% = | 0.0000 | \$ | - | 0.00000 | |
| C | 0 | x | 30% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-14%) | 86% = | 0.0000 | \$ | - | 0.00000 | |
| Research Labs | | | | | | | | | | | | | | | | | |
| Category A | 494 | x | 81% | x | 10% | x | 4% | x | 0.500 | x | (50% x 0.42% + 50% x 5%) x (1-20%) | 80% = | 0.0174 | \$ | 0.52 | 0.03470 | |

Table #9

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------|--------|---|-----|---|-----|---|----|---|-------|---|---|-----|---|-------|---|-----|---|----|---|---|---------|------|---|--------|----|------|---------|--|-------|
| | C | 0 | x | 42% | x | 10% | x | 4% | x | 0.500 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-20%) | 80% | = | 0.0000 | \$ | - | 0.00000 | | |
| | D | 0 | x | 81% | x | 10% | x | 4% | x | 0.500 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-20%) | 80% | = | 0.0000 | \$ | - | 0.00000 | | |
| | Linen Service | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D | 3,000 | x | 30% | x | 10% | x | 4% | x | 0.500 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-90%) | 10% | = | 0.0049 | \$ | 0.15 | 0.00976 | | |
| | Medical Equipment Repair | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Category A | 0 | x | 41% | x | 10% | x | 4% | x | 0.500 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-26%) | 74% | = | 0.0000 | \$ | - | 0.00000 | | |
| | B | 0 | x | 37% | x | 10% | x | 4% | x | 0.500 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-26%) | 74% | = | 0.0000 | \$ | - | 0.00000 | | |
| | C | 161 | x | 36% | x | 10% | x | 4% | x | 0.500 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-26%) | 74% | = | 0.0023 | \$ | 0.07 | 0.00465 | | |
| | D | 2,464 | x | 30% | x | 10% | x | 4% | x | 0.500 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-26%) | 74% | = | 0.0296 | \$ | 0.89 | 0.05930 | | |
| | Law Enforcement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Category A | 18,933 | x | 42% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-96%) | 4% | = | 0.0044 | \$ | 0.13 | 0.03448 | | |
| | B | 2,770 | x | 92% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-96%) | 4% | = | 0.0014 | \$ | 0.04 | 0.01105 | | |
| | C | 1,444 | x | 31% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-96%) | 4% | = | 0.0002 | \$ | 0.01 | 0.00194 | | |
| | D | 4,204 | x | 46% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-96%) | 4% | = | 0.0011 | \$ | 0.03 | 0.00839 | | |
| | Fire and Rescue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Category A | 10,411 | x | 89% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-71%) | 29% | = | 0.0373 | \$ | 1.12 | 0.29128 | | |
| | B | 857 | x | 86% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-71%) | 29% | = | 0.0030 | \$ | 0.09 | 0.02317 | | |
| | D | 2,158 | x | 92% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-71%) | 29% | = | 0.0080 | \$ | 0.24 | 0.06241 | | |
| | Correctional Facilities | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Category A | 3,034 | x | 54% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-39%) | 61% | = | 0.0139 | \$ | 0.42 | 0.10833 | | |
| | B | 1,887 | x | 32% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-39%) | 61% | = | 0.0051 | \$ | 0.15 | 0.03993 | | |
| | C | 459 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-39%) | 61% | = | 0.0012 | \$ | 0.03 | 0.00911 | | |
| | D | 3,793 | x | 31% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-39%) | 61% | = | 0.0100 | \$ | 0.30 | 0.07775 | | |
| | Lifesaving | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Category A | 457 | x | 76% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-50%) | 50% | = | 0.0024 | \$ | 0.07 | 0.01882 | | |
| | Schools | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Category A | 6,321 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-0%) | 100% | = | 0.0263 | \$ | 0.79 | 0.20556 | | |
| | D | 6,321 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-0%) | 100% | = | 0.0263 | \$ | 0.79 | 0.20556 | | |
| | Waste Removal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Category A | 50 | x | 30% | x | 10% | x | 4% | x | 0.128 | x | (| 50% | x | 0.42% | + | 50% | x | 5% |) | x | (1-50%) | 50% | = | 0.0001 | \$ | 0.00 | 0.00081 | | |
| | TOTAL HOURS | | | | | | | | | | | | | | | | | | | | | | | | | 12 | \$ | 347.44 | | 57.87 |

Table #9

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TABLE 10

Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)

Hour = # exposures x % vaccinated x 10% x 4% x health professional time x [(source participi

Costs = # of exposures x % vaccinated x 10% x 4% x cost of HBIG x [(source participation rate x RSS) + (% of sources refusing test x 5%)] x (1 - compliance rate)

ASSUMPTIONS:

* HBIG will be considered whenever a source is tested and found to be positive and whenever a high risk source refuses to be tested.

* HBIG will be offered only to those vaccinated workers who are found to be non-responders.

* 4% of employees will be non-vaccinated workers who are found to be non-responders.

* Required health care professional time is equivalent to 1/3 the time required to administer the HBV vaccination.

*Source will agree to be tested in 50% of exposure incidents.

%Cost of HBIG = \$211

| | | | | | | | | | | | | Hours | #12 | #13 | Responses | | |
|-------------------------|---------|---|------|---|-----|---|----|---|-------|---|------------------------------------|-------|-----|---------------|-----------|-----|----|
| Office of Physicians | | | | | | | | | | | | | | | | | |
| Category A | 179,493 | x | 73% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 25%) = | 7.67 \$ | 230 | 18 |
| C | 0 | x | 55% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 25%) = | 0.00 \$ | - | 0 |
| D | 0 | x | 87% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 25%) = | 0.00 \$ | - | 0 |
| Office of Dentists | | | | | | | | | | | | | | | | | |
| Category A | 279,485 | x | 92% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 11%) = | 17.85 \$ | 413 | 42 |
| C | 43,075 | x | 44% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 11%) = | 1.32 \$ | 13 | 3 |
| Nursing Homes | | | | | | | | | | | | | | | | | |
| Category A | 35,746 | x | 38% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 35%) = | 0.69 \$ | 8 | 2 |
| C | 5,002 | x | 31% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 35%) = | 0.08 \$ | 1 | 0 |
| D | 4,636 | x | 30% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 35%) = | 0.07 \$ | 1 | 0 |
| Hospitals | | | | | | | | | | | | | | | | | |
| Category A | 254,449 | x | 54% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 74%) = | 3.97 \$ | 68 | 7 |
| B | 34,579 | x | 54% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 74%) = | 0.54 \$ | 9 | 1 |
| C | 30,799 | x | 69% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 74%) = | 0.39 \$ | 4 | 1 |
| Medical and Dental Labs | | | | | | | | | | | | | | | | | |
| Category A | 5,117 | x | 58% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 38%) = | 0.14 \$ | 4 | 0 |
| C | 0 | x | 88% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 38%) = | 0.00 \$ | - | 0 |
| D | 487 | x | 100% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 38%) = | 0.00 \$ | 0 | 0 |
| Home Health | | | | | | | | | | | | | | | | | |
| Category A | 6,244 | x | 77% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 61%) = | 0.15 \$ | 1 | 0 |
| C | 0 | x | 100% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 61%) = | 0.00 \$ | - | 0 |
| D | 2,575 | x | 88% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 61%) = | 0.07 \$ | 1 | 0 |
| Hospices | | | | | | | | | | | | | | | | | |
| Category A | 684 | x | 77% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 39%) = | 0.02 \$ | 0 | 0 |
| C | 0 | x | 37% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 39%) = | 0.00 \$ | - | 0 |
| D | 215 | x | 100% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 39%) = | 0.00 \$ | 0 | 0 |
| Hemodialysis | | | | | | | | | | | | | | | | | |
| Category A | 4,684 | x | 33% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 72%) = | 0.09 \$ | 2 | 0 |

TABLE 10

Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---------|---|------|---|-----|---|----|---|-------|---|------------------------------------|-------|---|---------------|------|----|--------|-------|--|
| C | 477 | x | 69% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 72%) = | 0.01 | \$ | 0 | 0 | |
| D | 141 | x | 48% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 72%) = | 0.00 | \$ | 0 | 0 | |
| Drug Rehabilitation | | | | | | | | | | | | | | | | | | | |
| Category A | 283 | x | 49% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 30%) = | 0.01 | \$ | 0 | 0 | |
| C | 0 | x | 35% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 30%) = | 0.00 | \$ | - | 0 | |
| D | 0 | x | 100% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 30%) = | 0.00 | \$ | - | 0 | |
| Government Clinics | | | | | | | | | | | | | | | | | | | |
| Category A | 16,013 | x | 57% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 25%) = | 0.68 | \$ | 20 | 1 | |
| C | 0 | x | 67% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 25%) = | 0.00 | \$ | - | 0 | |
| D | 0 | x | 37% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 25%) = | 0.00 | \$ | - | 0 | |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | | | | | | | | | |
| Category A | 6,453 | x | 60% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 58%) = | 0.01 | \$ | 0 | 0 | |
| C | 139 | x | 80% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 58%) = | 0.00 | \$ | 0 | 0 | |
| (cont'd) | | | | | | | | | | | | | | | | | | | |
| D | 197 | x | 51% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 58%) = | 0.00 | \$ | 0 | 0 | |
| Residential Care | | | | | | | | | | | | | | | | | | | |
| Category A | 4,850 | x | 73% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 34%) = | 0.16 | \$ | 5 | 0 | |
| C | 388 | x | 100% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 34%) = | 0.01 | \$ | 0 | 0 | |
| D | 2,571 | x | 42% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 34%) = | 0.01 | \$ | 0 | 0 | |
| Personnel Services | | | | | | | | | | | | | | | | | | | |
| Category A | 2,993 | x | 88% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 80%) = | | \$ | 104 | 245 | |
| D | 0 | x | 100% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 0%) = | | \$ | - | 0 | |
| Funeral Services | | | | | | | | | | | | | | | | | | | |
| Category A | 11,735 | x | 65% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 20%) = | | \$ | 1,210 | 2843 | |
| C | 0 | x | 100% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 20%) = | | \$ | - | 0 | |
| D | 0 | x | 63% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 20%) = | | \$ | - | 0 | |
| Health Units in Industry | | | | | | | | | | | | | | | | | | | |
| Category A | 186,835 | x | 70% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 14%) = | | \$ | 22,308 | 52410 | |
| B | 0 | x | 83% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 14%) = | | \$ | - | 0 | |
| C | 0 | x | 100% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 14%) = | | \$ | - | 0 | |
| Research Labs | | | | | | | | | | | | | | | | | | | |
| Category A | 494 | x | 54% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 20%) = | | \$ | 42 | 99 | |
| C | 0 | x | 79% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 20%) = | | \$ | - | 0 | |
| D | 0 | x | 54% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 20%) = | | \$ | - | 0 | |
| Linen Services | | | | | | | | | | | | | | | | | | | |
| Category D | 3,000 | x | 100% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 90%) = | | \$ | 60 | 140 | |
| Medical Equipment Repair | | | | | | | | | | | | | | | | | | | |
| Category A | 0 | x | 84% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 26%) = | 0.00 | \$ | - | 0 | |
| B | 0 | x | 90% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 26%) = | 0.00 | \$ | - | 0 | |
| C | 161 | x | 92% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 26%) = | | \$ | 22 | 51 | |
| D | 2,464 | x | 100% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 26%) = | | \$ | 362 | 850 | |
| Law Enforcement | | | | | | | | | | | | | | | | | | | |
| Category A | 18,993 | x | 83% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 96%) = | 0.02 | \$ | 1 | 0 | |
| B | 2,770 | x | 47% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 96%) = | 0.01 | \$ | 0 | 0 | |
| C | 1,444 | x | 98% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 96%) = | 0.00 | \$ | 0 | 0 | |
| D | 4,204 | x | 77% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 | x | (1 - 96%) = | 0.01 | \$ | 0 | 0 | |

TABLE 10

Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)

| | | | | | | | | | | | | | | | | | |
|--------------------------------|--------|---|------|---|-----|---|----|---|-------|---|------------------------------------|-----------------------|-----------|---------------|------------------|---------------|------|
| <u>Fire and Rescue</u> | | | | | | | | | | | | | | | | | |
| Category A | 10,411 | x | 34% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 71%) = | \$ | 204 | 478 | | |
| B | 857 | x | 44% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 71%) = | \$ | 22 | 51 | | |
| D | 2,158 | x | 31% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 71%) = | \$ | 38 | 90 | | |
| <u>Correctional Facilities</u> | | | | | | | | | | | | | | | | | |
| Category A | 3,034 | x | 79% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 39%) = | 0.08 | \$ | 2 | 0 | |
| B | 1,887 | x | 97% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 39%) = | 0.03 | \$ | 1 | 0 | |
| C | 459 | x | 90% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 39%) = | 0.01 | \$ | 0 | 0 | |
| D | 3,793 | x | 98% | x | 10% | x | 4% | x | 0.083 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 39%) = | 0.00 | \$ | - | 0 | |
| <u>Livesaving</u> | | | | | | | | | | | | | | | | | |
| Category A | 457 | x | 75% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 50%) = | \$ | - | \$ | 34 | 80 |
| <u>Schools</u> | | | | | | | | | | | | | | | | | |
| Category A | 6,321 | x | 100% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 0%) = | \$ | - | \$ | 1,254 | 2945 |
| D | 6,321 | x | 100% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 0%) = | \$ | - | \$ | 1,254 | 2945 |
| <u>Waste Removal</u> | | | | | | | | | | | | | | | | | |
| Category D | 50 | x | 100% | x | 10% | x | 4% | x | \$211 | x | [(50% x 0.42%) + (50% x 5%)] | 0.235 x (1 - 50%) = | \$ | - | \$ | 5 | 12 |
| TOTAL | | | | | | | | | | | | | <u>34</u> | <u>\$ 761</u> | <u>\$ 21,338</u> | <u>63,319</u> | |
| HOURS | | | | | | | | | | | | | #12 | #13 | Responses | | |

TABLE 11

Hours = # of exposures x (1-% vaccinated x 22% x employee time x [(source participation rate x RSS)
+ (% of source refusing test x 5%)] x (1-compliance)

ASSUMPTIONS

- * HBIG will be offered only to those non-vaccinated workers who are found not to have natural immunity
- * 22% of non-vaccinated workers do not have natural immunity
- * HBIG will be considered whenever a source is tested and found to be positive and whenever a high risk source refuses to be tested
- * 5% of exposures are attributable to a high risk source
- * Time required equivalent to 1/3 time required to receive HBV vaccination
- * Source participation rate is 50%

| | | | | | | | | | <u>HOURS</u> | <u>#12</u> | <u>RESPONSES</u> | |
|--------------------------|---------|---|-------------|---|-----|---|-------|---|--|------------|------------------|-----|
| Office of the Physicians | | | | | | | | | | | | |
| Category A | 179,493 | * | (1 - 73%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 25%) = | 28 | \$ 832 | 217 |
| C | - | * | (1 - 55%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 25%) = | 0 | \$ - | 0 |
| D | - | * | (1 - 87%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 25%) = | 0 | \$ - | 0 |
| Office of Dentists | | | | | | | | | | | | |
| Category A | 279,485 | * | (1 - 92%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 11%) = | 15 | \$ 351 | 119 |
| C | 43,075 | * | (1 - 44%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 11%) = | 16 | \$ 158 | 128 |
| Nursing Homes | | | | | | | | | | | | |
| Category A | 35,746 | * | (1 - 38%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 35%) = | 11 | \$ 135 | 86 |
| C | 5,002 | * | (1 - 31%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 35%) = | 2 | \$ 17 | 13 |
| D | 4,636 | * | (1 - 30%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 35%) = | 2 | \$ 16 | 13 |
| Hospitals | | | | | | | | | | | | |
| Category A | 254,449 | * | (1 - 77%) | * | 22% | * | 0.128 | * | [(50% * 1.25%) + (50% x 5%)] x (1 - 74%) = | 13 | \$ 229 | 105 |
| B | 34,579 | * | (1 - 77%) | * | 22% | * | 0.128 | * | [(50% * 1.25%) + (50% x 5%)] x (1 - 74%) = | 2 | \$ 32 | 14 |
| C | 30,799 | * | (1 - 62%) | * | 22% | * | 0.128 | * | [(50% * 1.25%) + (50% x 5%)] x (1 - 74%) = | 3 | \$ 26 | 21 |
| Medical and Dental Labs | | | | | | | | | | | | |
| Category A | 5,177 | * | (1 - 79%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 38%) = | 1 | \$ 11 | 4 |
| C | - | * | (1 - 38%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 38%) = | 0 | \$ - | 0 |
| D | 487 | * | (1 - 30%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 38%) = | 0 | \$ 2 | 1 |
| Home Health Care | | | | | | | | | | | | |
| Category A | 6,244 | * | (1 - 52%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 61%) = | 1 | \$ 11 | 7 |
| C | - | * | (1 - 30%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 61%) = | 0 | \$ - | 0 |
| D | 2,575 | * | (1 - 84%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 61%) = | 0 | \$ 1 | 1 |
| Hospices | | | | | | | | | | | | |
| Category A | 684 | * | (1 - 58%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 39%) = | 0 | \$ 2 | 1 |
| C | - | * | (1 - 82%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 39%) = | 0 | \$ - | 0 |
| D | 215 | * | (1 - 30%) | * | 22% | * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] x (1 - 39%) = | 0 | \$ 1 | 1 |
| Hemodialysis | | | | | | | | | | | | |

TABLE 11

| | | | | | | | | | | | |
|-----------------------------|---------|---|--------------|---|-------|---------|-------------------------------------|-----------------|--------|-------|-----|
| Category A | 4,684 | * | (1 - 92%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 72%) = | 0 \$ | 2 | 1 |
| C | 477 | * | (1 - 68%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 72%) = | 0 \$ | 0 | 0 |
| D | 141 | * | (1 - 81%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 72%) = | 0 \$ | 0 | 0 |
| Drug Rehabilitation | | | | | | | | | | | |
| Category A | 283 | * | (1 - 78%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 30%) = | 0 \$ | 1 | 0 |
| C | - | * | (1 - 100%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 30%) = | 0 \$ | - | 0 |
| D | - | * | (1 - 30%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 30%) = | 0 \$ | - | 0 |
| Government Clinics | | | | | | | | | | | |
| Category A | 16,013 | * | (1 - 73%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 25%) = | 2 \$ | 73 | 19 |
| C | 0.00 | * | (1 - 55%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 25%) = | 0 \$ | - | 0 |
| D | 0.00 | * | (1 - 87%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 25%) = | 0 \$ | - | 0 |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | |
| Category A | 6,453 | * | (1 - 65%) | * | 22% * | 0.128 * | [(50% * 10.00%) + (50% x 5%)] | x (1 - 58%) = | 2 \$ | 35 | 16 |
| C | 139 | * | (1 - 44%) | * | 22% * | 0.128 * | [(50% * 10.00%) + (50% x 5%)] | x (1 - 58%) = | 0 \$ | 1 | 1 |
| D | 197 | * | (1 - 71%) | * | 22% * | 0.128 * | [(50% * 10.00%) + (50% x 5%)] | x (1 - 58%) = | 0 \$ | 1 | 0 |
| Residential Care | | | | | | | | | | | |
| Category A | 4,850 | * | (1 - 64%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 34%) = | 1 \$ | 11 | 7 |
| C | 388 | * | (1 - 30%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 34%) = | 0 \$ | 1 | 1 |
| D | 2,571 | * | (1 - 73%) | * | 22% * | 0.128 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 34%) = | 0 \$ | 4 | 3 |
| Personnel Services | | | | | | | | | | | |
| Category A | 2,993 | * | (1 - 38%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 80%) = | 1 \$ | 16 | 2 |
| D | 0.00 | * | (1 - 30%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 0%) = | 0 | 0.00 | 0 |
| Funeral Services | | | | | | | | | | | |
| Category A | 11,735 | * | (1 - 67%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 20%) = | 9 \$ | 161 | 18 |
| C | 0.00 | * | (1 - 30%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 20%) = | 0 | 0.00 | 0 |
| D | 0.00 | * | (1 - 64%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 20%) = | 0 | 0.00 | 0 |
| Health Units in Industry | | | | | | | | | | | |
| Category A | 186,835 | * | (1 - 60%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 14%) = | 192 \$ | 2,891 | 383 |
| B | 0.00 | * | (1 - 42%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 14%) = | 0 | 0.00 | 0 |
| D | 0.00 | * | (1 - 30%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 14%) = | 0 | 0.00 | 0 |
| Research Labs | | | | | | | | | | | |
| Category A | 494 | * | (1 - 81%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 20%) = | 0 \$ | 4 | 0 |
| C | 0.00 | * | (1 - 45%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 20%) = | 0 \$ | - | 0 |
| D | 0.00 | * | (1 - 81%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 20%) = | 0 \$ | - | 0 |
| Linen Service | | | | | | | | | | | |
| D | 3,000 | * | (1 - 30%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 90%) = | 1 \$ | 6 | 1 |
| Medical Equipment Repair | | | | | | | | | | | |
| Category A | 0.00 | * | (1 - 41%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 26%) = | 0 \$ | - | 0 |
| B | 0.00 | * | (1 - 37%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 26%) = | 0 \$ | - | 0 |
| C | 161 | * | (1 - 36%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 26%) = | 0 \$ | 4 | 0 |
| D | 2,464 | * | (1 - 30%) | * | 22% * | 0.500 * | [(50% * 0.42%) + (50% x 5%)] | x (1 - 26%) = | 4 \$ | 65 | 8 |
| Law Enforcement | | | | | | | | | | | |

TABLE 11

| | | | | | | | | | | | | | | | |
|-------------------------|--------|---|-------------|---|-------|-------|---|------------------------------------|---|-------------|---|----|------------|------------------|--------------|
| Category A | 18,993 | * | (1 - 42%) | * | 22% * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 96%) | = | 0 | \$ | 5 | 3 |
| B | 2,770 | * | (1 - 92%) | * | 22% * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 96%) | = | 0 | \$ | 0 | 0 |
| C | 1,444 | * | (1 - 31%) | * | 22% * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 96%) | = | 0 | \$ | 0 | 0 |
| D | 4,204 | * | (1 - 46%) | * | 22% * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 96%) | = | 0 | \$ | 1 | 1 |
| Fire and Rescue | | | | | | | | | | | | | | | |
| Category A | 10,411 | * | (1 - 89%) | * | 22% * | 0.500 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 71%) | = | 1 | \$ | 17 | 2 |
| B | 857 | * | (1 - 86%) | * | 22% * | 0.500 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 71%) | = | 0 | \$ | 2 | 0 |
| D | 2,158 | * | (1 - 92%) | * | 22% * | 0.500 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 71%) | = | 0 | \$ | 2 | 0 |
| Correctional Facilities | | | | | | | | | | | | | | | |
| Category A | 3,034 | * | (1 - 54%) | * | 22% * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 39%) | = | 1 | \$ | 10 | 5 |
| B | 1,887 | * | (1 - 32%) | * | 22% * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 39%) | = | 1 | \$ | 7 | 5 |
| C | 459 | * | (1 - 30%) | * | 22% * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 39%) | = | 0 | \$ | 1 | 1 |
| D | 3,793 | * | (1 - 31%) | * | 22% * | 0.128 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 39%) | = | 1 | \$ | 18 | 10 |
| Lifesaving | | | | | | | | | | | | | | | |
| Category A | 457 | * | (1 - 78%) | * | 22% * | 0.500 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 50%) | = | 0 | \$ | 3 | 0 |
| Schools | | | | | | | | | | | | | | | |
| Category A | 6,321 | * | (1 - 30%) | * | 22% * | 0.500 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 0%) | = | 13 | \$ | 186 | 26 |
| D | 6,321 | * | (1 - 30%) | * | 22% * | 0.500 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 0%) | = | 13 | \$ | 153 | 26 |
| Waste Removal | | | | | | | | | | | | | | | |
| Category A | 50 | * | (1 - 30%) | * | 22% * | 0.500 | * | [(50% * 0.42%) + (50% x 5%)] | x | (1 - 50%) | = | 0 | \$ | 1 | 0 |
| | | | | | | | | | | | | | 336 | \$ 26,254 | 1,271 |

TABLE 11

TABLE 11

TABLE 11

Table #12

HBIG: Non Vaccinated Workers (Health Care Professional)

Hours = # exposures x (1-% vaccinated) x 22% x health care professional time x [(source participation rate x RSS) + (% of sources refusing test * 5%)] x (1-compliance rate)

Costs = # exposures x (1-% vaccinated) x 22% x cost of HBIG c [(source participation rate x RSS) + (% of sources refusing test x 5%)] x (1-compliance rate)

ASSUMPTIONS:

*HBIB will be offered only to those non-vaccinated workers who are found not to have natural immunity.

*22% of non-vaccinated workers do not have natural immunity.

*HBIG will be considered whenever a source is tested and found to be positive and whenever a high risk source refuses to be tested.

*5% of exposures are attributable to a high risk source.

*Time required equivalent to 1/3 time required to administer HBV vaccination.

*Source will agree to be tested in 50% of exposure incidents.

*COST of HBIG = \$211.

| | | | | | | <u>HOURS</u> | <u>#12</u> | <u>13#</u> | <u>Responses</u> | | | | |
|--------------------------|---------|---|-------------|---|-----|--------------|------------|--------------------------------------|------------------|-------|-----|--|-----|
| Office of the Physicians | | | | | | | | | | | | | |
| Category A | 179,493 | * | (1 - 73%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 25%) = | 18 \$ | 540 | | 217 |
| C | - | * | (1 - 55%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 25%) = | 0 \$ | - | | 0 |
| D | - | * | (1 - 87%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 25%) = | 0 \$ | - | | 0 |
| Office of Dentists | | | | | | | | | | | | | |
| Category A | 279,485 | * | (1 - 92%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 11%) = | 10 \$ | 228 | | 119 |
| C | 43,075 | * | (1 - 44%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 11%) = | 11 \$ | 103 | | 128 |
| Nursing Homes | | | | | | | | | | | | | |
| Category A | 35,746 | * | (1 - 38%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 35%) = | 7 \$ | 88 | | 86 |
| C | 5,002 | * | (1 - 31%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 35%) = | 1 \$ | 11 | | 13 |
| D | 4,636 | * | (1 - 30%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 35%) = | 1 \$ | 10 | | 13 |
| Hospitals | | | | | | | | | | | | | |
| Category A | 254,449 | * | (1 - 77%) | * | 22% | * | 0.083 | * [(50% * 1.25%) + (50% * 5%)] | * (1 - 74%) = | 3 \$ | 59 | | 105 |
| B | 34,579 | * | (1 - 77%) | * | 22% | * | 0.083 | * [(50% * 1.25%) + (50% * 5%)] | * (1 - 74%) = | 0 \$ | 8 | | 14 |
| C | 30,799 | * | (1 - 62%) | * | 22% | * | 0.083 | * [(50% * 1.25%) + (50% * 5%)] | * (1 - 74%) = | 1 \$ | 7 | | 21 |
| Medical and Dental Labs | | | | | | | | | | | | | |
| Category A | 5,177 | * | (1 - 79%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 38%) = | 0 \$ | 7 | | 4 |
| C | - | * | (1 - 38%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 38%) = | 0 \$ | - | | 0 |
| D | 487 | * | (1 - 30%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 38%) = | 0 \$ | 1 | | 1 |
| Home Health Care | | | | | | | | | | | | | |
| Category A | 6,244 | * | (1 - 52%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 61%) = | 1 \$ | 7 | | 7 |
| C | - | * | (1 - 30%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 61%) = | 0 \$ | - | | 0 |
| D | 2,575 | * | (1 - 84%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 61%) = | 0 \$ | 1 | | 1 |
| Hospices | | | | | | | | | | | | | |
| Category A | 684 | * | (1 - 58%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 39%) = | 0 \$ | 1 | | 1 |
| C | - | * | (1 - 82%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 39%) = | 0 \$ | - | | 0 |
| D | 215 | * | (1 - 30%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 39%) = | 0 \$ | 1 | | 1 |

Table #12

HBIG: Non Vaccinated Workers (Health Care Professional)

| | | | | | | | | | | | |
|-----------------------------|---------|---|--------------|---|-----|---|-------|--------------------------------------|-----------------|-----------|-----|
| Hemodialysis | | | | | | | | | | | |
| Category A | 4,684 | * | (1 - 92%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 72%) = | 0 \$ 1 | 1 |
| C | 477 | * | (1 - 68%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 72%) = | 0 \$ 0 | 0 |
| D | 141 | * | (1 - 81%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 72%) = | 0 \$ 0 | 0 |
| Drug Rehabilitation | | | | | | | | | | | |
| Category A | 283 | * | (1 - 78%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 30%) = | 0 \$ 0 | 0 |
| C | - | * | (1 - 100%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 30%) = | 0 \$ - | 0 |
| D | - | * | (1 - 30%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 30%) = | 0 \$ - | 0 |
| Government Clinics | | | | | | | | | | | |
| Category A | 16,013 | * | (1 - 73%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 25%) = | 2 \$ 47 | 19 |
| C | 0.00 | * | (1 - 55%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 25%) = | 0 \$ - | 0 |
| D | 0.00 | * | (1 - 87%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 25%) = | 0 \$ - | 0 |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | |
| Category A | 6,453 | * | (1 - 65%) | * | 22% | * | 0.083 | * [(50% * 0.10%) + (50% * 5%)] | * (1 - 58%) = | 0 \$ 13 | 5 |
| C | 139 | * | (1 - 44%) | * | 22% | * | 0.083 | * [(50% * 0.10%) + (50% * 5%)] | * (1 - 58%) = | 0 \$ 0 | 0 |
| D | 197 | * | (1 - 71%) | * | 22% | * | 0.083 | * [(50% * 0.10%) + (50% * 5%)] | * (1 - 58%) = | 0 \$ 0 | 0 |
| Residential Care | | | | | | | | | | | |
| Category A | 4,850 | * | (1 - 64%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 34%) = | 1 \$ 17 | 7 |
| C | 388 | * | (1 - 30%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 34%) = | 0 \$ 3 | 1 |
| D | 2,571 | * | (1 - 73%) | * | 22% | * | 0.083 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 34%) = | 0 \$ 7 | 3 |
| Personnel Services | | | | | | | | | | | |
| Category A | 2,993 | * | (1 - 38%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 80%) = | \$ 467 | 2 |
| D | 0.00 | * | (1 - 30%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 0%) = | | 0 |
| Funeral Services | | | | | | | | | | | |
| Category A | 11,735 | * | (1 - 67%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 20%) = | \$ 3,897 | 18 |
| C | 0.00 | * | (1 - 30%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 20%) = | | 0 |
| D | 0.00 | * | (1 - 64%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 20%) = | | 0 |
| Health Units in Industry | | | | | | | | | | | |
| Category A | 186,835 | * | (1 - 60%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 14%) = | \$ 80,852 | 383 |
| B | 0.00 | * | (1 - 42%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 14%) = | | 0 |
| D | 0.00 | * | (1 - 30%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 14%) = | | 0 |
| Research Labs | | | | | | | | | | | |
| Category A | 494 | * | (1 - 81%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 20%) = | \$ 94 | 0 |
| C | 0.00 | * | (1 - 45%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 20%) = | | 0 |
| D | 0.00 | * | (1 - 81%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 20%) = | | 0 |
| Linen Service | | | | | | | | | | | |
| D | 3,000 | * | (1 - 30%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 90%) = | \$ 264 | 1 |
| Medical Equipment Repair | | | | | | | | | | | |
| Category A | 0.00 | * | (1 - 41%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 26%) = | | 0 |
| B | 0.00 | * | (1 - 37%) | * | 22% | * | \$211 | * [(50% * 0.42%) + (50% * 5%)] | * (1 - 26%) = | | 0 |

Table #12

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--------|---|---|---|---|-----|---|---|-----|---|-------|---|---|---|-----|---|-------|---|---|---|-----|---|----|---|---|----------------|---|-----------|-----------|--------------|-----------|---------------|---|--------------|-------|--|----|
| HBIG: Non Vaccinated Workers (Health Care Professionals) | C | 161 | * | (| 1 | - | 36% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 26% |) | = | | \$ | 96 | | 0 |
| | D | 2,464 | * | (| 1 | - | 30% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 26% |) | = | | \$ | 1,606 | | 8 |
| Law Enforcement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Category A | | 18,993 | * | (| 1 | - | 42% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 96% |) | = | 0 | \$ | 1 | | 3 |
| | B | 2,770 | * | (| 1 | - | 92% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 96% |) | = | 0 | \$ | 2 | | 0 |
| | C | 1,444 | * | (| 1 | - | 31% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 96% |) | = | 0 | \$ | - | | 0 |
| | D | 4,204 | * | (| 1 | - | 46% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 96% |) | = | 0 | \$ | - | | 1 |
| Fire and Rescue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Category A | | 10,411 | * | (| 1 | - | 89% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 71% |) | = | | \$ | 418 | | 2 |
| | B | 857 | * | (| 1 | - | 86% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 71% |) | = | | \$ | 44 | | 0 |
| | D | 2,158 | * | (| 1 | - | 92% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 71% |) | = | | \$ | 63 | | 0 |
| Correctional Facilities | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Category A | | 3,034 | * | (| 1 | - | 54% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 39% |) | = | 0 | \$ | 1 | | 5 |
| | B | 1,887 | * | (| 1 | - | 32% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 39% |) | = | 0 | \$ | 2 | | 5 |
| | C | 459 | * | (| 1 | - | 30% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 39% |) | = | 0 | \$ | - | | 1 |
| | D | 3,793 | * | (| 1 | - | 31% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 39% |) | = | 1 | \$ | - | | 10 |
| Lifesaving | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Category A | | 457 | * | (| 1 | - | 78% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 50% |) | = | | \$ | 63 | | 0 |
| Schools | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Category A | | 6,321 | * | (| 1 | - | 30% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 0% |) | = | | \$ | 5,566 | | 26 |
| | D | 6,321 | * | (| 1 | - | 30% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 0% |) | = | | \$ | 5,566 | | 26 |
| Waste Removal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Category A | | 50 | * | (| 1 | - | 30% |) | * | 22% | * | \$211 | * | [| (| 50% | * | 0.42% |) | + | (| 50% | * | 5% |) |] | * | (| 1 | - | 50% |) | = | | \$ | 22 | | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Total = | | 59 | \$ | 1,159 | \$ | 99,024 | | 1,260 | | | |

TABLE 13

HIV Antibody Tests (Employee Time)

Hours = # exposures x employer participation rate x (% of sources refusing test + (source participation rate x RSS) x # of tests x employee time x (1- compliance

Assumptions:

*Employee participation rate for HIV antibody test is 0.8.%

*50% of sources will agree to be tested, 50% will refuse to be tested.

*RSS is 0.05% for blood/plasma/tissue centers. 17% for law enforcement. 17% for corrections and 0.8% for all other sectors.

*A sequence of 4 HIV antibody tests will be performed for employees tested.

*Employee time is equivalent to 1/3 time required for HBV vaccination.

| | | | | | | | <u>HOURS</u> | <u>#12</u> | <u>Responses</u> | | | | | | |
|-----------------------------|---------|---|-----|---|---------------------------|---|--------------|------------|------------------|---|----------------|----------------|-----------|------------------|----------------|
| Offices of Physicians | 179,493 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 24%) = | 28,161 | \$ | 845,118 | 220010 |
| Office of Dentists | 322,560 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 10%) = | 59,930 | \$ | 1,385,579 | 468202 |
| Nursing Homes | 45,384 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 23%) = | 7,214 | \$ | 216,496 | 56360 |
| Hospitals | 319,827 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 65%) = | 23,109 | \$ | 693,489 | 180536 |
| Medical and Dental Labs | 5,664 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 89%) = | 129 | \$ | 3,860 | 1005 |
| Home Health Care | 8,819 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 58%) = | 765 | \$ | 22,947 | 5974 |
| Hospices | 898 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 47%) = | 98 | \$ | 2,949 | 768 |
| Hemodialysis | 5,302 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 69%) = | 339 | \$ | 10,183 | 2651 |
| Drug Rehabilitation | 283 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 60%) = | 23 | \$ | 701 | 183 |
| Government Clinics | 16,013 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 24%) = | 2,512 | \$ | 75,395 | 19628 |
| Blood/Plasma/Tissue Centers | 6,789 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 57%) = | 603 | \$ | 18,086 | 4708 |
| Residential Care | 7,809 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 7%) = | 1,499 | \$ | 44,992 | 11713 |
| Personnel Services | 2,993 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.500 | x | (1 - 77%) = | 555 | \$ | 16,659 | 1110 |
| Funeral Services | 11,735 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.500 | x | (1 - 22%) = | 7,381 | \$ | 221,510 | 14762 |
| Health Units in Industry | 186,835 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.500 | x | (1 - 14%) = | 129,571 | \$ | 3,888,420 | 259142 |
| Research Labs | 494 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.500 | x | (1 - 60%) = | 159 | \$ | 4,782 | 319 |
| Linen Services | 3,000 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.500 | x | (1 - 90%) = | 242 | \$ | 7,260 | 484 |
| Medical Equipment Repair | 2,625 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.500 | x | (1 - 0%) = | 2,117 | \$ | 63,525 | 4234 |
| Law Enforcement | 27,411 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 91%) = | 509 | \$ | 15,284 | 3979 |
| Fire and Rescue | 13,426 | x | 80% | x | (50% + (50% x 17.0%)) | x | 4 | x | 0.500 | x | (1 - 68%) = | 4,021 | \$ | 120,681 | 8043 |
| Correctional Facilities | 9,173 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.128 | x | (1 - 47%) = | 1,004 | \$ | 30,119 | 7841 |
| Lifesaving | 457 | x | 80% | x | (50% + (50% x 17.0%)) | x | 4 | x | 0.500 | x | (1 - 50%) = | 214 | \$ | 3,670 | 428 |
| Schools | 12,642 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.500 | x | (1 - 0%) = | 10,195 | \$ | 305,937 | 20389 |
| Waste Removal | 50 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.500 | x | (1 - 50%) = | 20 | \$ | 346 | 40 |
| Totals | | | | | | | | | | | TOTAL = | 280,370 | \$ | 7,997,988 | 1292506 |

TABLE 13

HIV Antibody Tests (Employee Time)
rate)

;

TABLE 14

HOURS = 82,118

#12= \$2,874,140

#13 = \$6,161,339

Hours = # exposures x employer participation rate x (% of sources refusing test + (source participation rate x RSS) x # of tests x health care professional time x (1- compliance rate)

Assumptions:

*Employee participation rate for HIV antibody tests is 80%.

*50% of sources will agree to be tested, 50% will refuse to be tested.

*RSS is 0.05% for blood/plasma/tissue centers. 17% for law enforcement. 17% for corrections and 0.8% for all other sectors.

*A sequence of 4 HIV antibody tests will be performed for employees tested.

*Health care professional time is equivalent to 1/3 time required to administer HBV vaccination

| | | | | | | <u>HOURS</u> | <u>#12</u> | <u>#13</u> | <u>RESPONSES</u> | | | | | | |
|--------------------------|---------|---|-----|---|---------------------------|--------------|------------|------------|------------------|---|---------------|---------------|---------------------|------------------|----------------|
| Offices of Physicians | 179,493 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 24%) = | 18261 | 641694 | | 36377 |
| Office of Dentists | 322,560 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 10%) = | 38861 | 1365591 | | 77413 |
| Nursing Homes | 45,384 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 23%) = | 4678 | 164384 | | 9319 |
| Hospitals | 319,827 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 65%) = | 14984 | 526563 | | 29850 |
| Medical and Dental Labs | 5,664 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 89%) = | 83 | 2931 | | 166 |
| Home Health Care | 8,819 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 58%) = | 496 | 17423 | | 988 |
| Hospices | 898 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 47%) = | 64 | 17423 | | 127 |
| Hemodialysis | 5,302 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 69%) = | 220 | 2240 | | 438 |
| Drug Rehabilitation | 283 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 60%) = | 15 | 7732 | | 30 |
| Government Clinics | 16,013 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 24%) = | 1629 | 532 | | 3245 |
| Blood/Plasma/Tissue | 6,789 | x | 80% | x | (50% + (50% x 0.10%)) | x | 4 | x | 0.083 | x | (1 - 57%) = | 388 | 57246 | | 776 |
| Residential Care | 7,809 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | 0.083 | x | (1 - 7%) = | 972 | 13630 | | 1937 |
| Personnel Services | 2,993 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 77%) = | | 34160 | 22,205 | |
| Funeral Services | 11,735 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 22%) = | | | 295,249 | |
| Health Units in Industry | 186,835 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 14%) = | | | 5,182,833 | |
| Research Labs | 494 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 60%) = | | | 6,374 | |
| Linen Services | 3,000 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 90%) = | | | 9,677 | |
| Medical Equipment Repair | 2,625 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 0%) = | | | 84,672 | |
| Law Enforcement | 27,411 | x | 80% | x | (50% + (50% x 17.0%)) | x | 4 | x | 0.083 | x | (1 - 91%) = | 383 | 13470 | | 711 |
| Fire and Rescue | 13,426 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 68%) = | | | 138,582 | |
| Correctional Facilities | 9,173 | x | 80% | x | (50% + (50% x 17.0%)) | x | 4 | x | 0.083 | x | (1 - 47%) = | 755 | 26544 | | 1401 |
| Lifesaving | 457 | x | 80% | x | (50% + (50% x 80.0%)) | x | 4 | x | \$20.00 | x | (1 - 50%) = | | | 13,162 | |
| Schools | 12,642 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 0%) = | | | 407,780 | |
| Waste Removal | 50 | x | 80% | x | (50% + (50% x 0.80%)) | x | 4 | x | \$20.00 | x | (1 - 50%) = | | | 806 | |
| Totals | | | | | | | | | TOTAL = | | | 82,118 | \$ 2,874,140 | 6,161,339 | 162,777 |

TABLE 15

Counseling for Workers Who May Have HIV Exposure (Employee and Counselor Time)

HOURS = 551,729
 #12= \$15,984,943

Hours = # exposures x employer participation rate x (% of sources refusing test + (source participation rate x RSS) x # of sessions x (employee time + counselor time) x (1- compliance rate)

Assumptions:

- *Employee participation rate is 80%.
- *50% of sources will agree to be tested, 50% will refuse to be tested.
- *RSS is 0.05% for blood/plasma/tissue centers. 17% for law enforcement. 17% for corrections and 0.8% for all other sectors.
- *2 counseling sessions will be given to employees accepting testing.
- *Counseling sessions will require 30 minutes.

| | | | | | | | <u>HOURS</u> | <u>#12</u> | <u>RESPONSES</u> |
|-----------------------------|---------|-------|-----------------------------|-----|-------------|-----------------|----------------|------------------|-------------------------------|
| Offices of Physicians | 179,493 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 34%) = | 95,530 | \$ 3,677,921 | 120136.8 |
| Office of Dentists | 322,560 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 15%) = | 221,096 | \$ 6,345,447 | 240604 |
| Nursing Homes | 45,384 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 24%) = | 27,814 | \$ 661,978 | 32205.94 |
| Hospitals | 5,664 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 73%) = | 1,233 | \$ 35,393 | 2900.33 |
| Medical and Dental Labs | 5,664 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 70%) = | 1,370 | \$ 39,086 | 2968.842 |
| Home Health Care | 8,819 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 24%) = | 5,405 | \$ 122,956 | 6258.245 |
| Hospices | 898 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 31%) = | 500 | \$ 13,122 | 611.9044 |
| Hemodialysis | 5,302 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 61%) = | 1,667 | \$ 42,378 | 2971.495 |
| Drug Rehabilitation | 283 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 63%) = | 84 | \$ 1,949 | 156.3247 |
| Government Clinics | 16,013 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 16%) = | 10,847 | \$ 275,667 | 11879.85 |
| Blood/Plasma/Tissue Centers | 6,789 | x 80% | x (50% + (50% x 0.10%)) | x 2 | x 0.5 + 0.5 | x (1 - 99%) = | 54 | \$ 1,381 | 2745.499 |
| Residential Care | 7,809 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 11%) = | 5,604 | \$ 142,429 | 5950.833 |
| Personnel Services | 2,993 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 67%) = | 796 | \$ 22,855 | 1605.014 |
| Funeral Services | 11,735 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 6%) = | 8,895 | \$ 255,298 | 9179.211 |
| Health Units in Industry | 186,835 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 1%) = | 149,157 | \$ 3,790,818 | 149910.4 |
| Research Labs | 494 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 30%) = | 279 | \$ 7,955 | 338.6074 |
| Linen Services | 3,000 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 90%) = | 242 | \$ 6,148 | 1330.56 |
| Medical Equipment Repair | 2,625 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 0%) = | 2,117 | \$ 55,936 | 2116.8 |
| Law Enforcement | 27,411 | x 80% | x (50% + (50% x 17.0%)) | x 2 | x 0.5 + 0.5 | x (1 - 89%) = | 2,822 | \$ 74,084 | 14239.47 |
| Fire and Rescue | 13,426 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 73%) = | 2,923 | \$ 75,711 | 6874.971 |
| Correctional Facilities | 9,173 | x 80% | x (50% + (50% x 17.0%)) | x 2 | x 0.5 + 0.5 | x (1 - 68%) = | 2,747 | \$ 72,120 | 5666.712 |
| Lifesaving | 457 | x 80% | x (50% + (50% x 80.0%)) | x 2 | x 0.5 + 0.5 | x (1 - 50%) = | 329 | \$ 4,685 | 493.56 |
| Schools | 12,642 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 0%) = | 10,195 | \$ 259,093 | 10194.51 |
| Waste Removal | 50 | x 80% | x (50% + (50% x 0.80%)) | x 2 | x 0.5 + 0.5 | x (1 - 50%) = | 20 | \$ 533 | 30.24 |
| Totals | | | | | | | TOTAL = | = 551,729 | \$ 15,984,943 631370.1 |

Table 16

Annual Burden Hours for Initial Training of New Hires

Hours = number of facilities x job turnover rate x (1- compliance rate) x time

Assumptions:

- Recurring training hours will be for training new hires
- # of turnover session for hospitals, nursing homes, personnel services fire and rescue, corrections and law enforcement = # of workers x first year job turnover rate/5
- # of turnover sessions for all other sectors = # of workers x job turnover rate.
- Training of new hires requires 2 hours

| | | | | Burden Hours | No.12 | Responses |
|-----------------------------|-------------|------------------------------|--|--------------|--------------|-----------|
| Office of the Physicians | | | | | | |
| Category A | 967,626 x | 22.80% x (1 - 29%) x 2 | | 313,279 | \$10,298,056 | 156,639 |
| C | 6,969 x | 31.60% x (1 - 82%) x 2 | | 793 | \$26,060 | 396 |
| D | 69,685 x | 21.80% x (1 - 0%) x 2 | | 30,383 | \$998,736 | 15,191 |
| Office of Dentists | | | | | | |
| Category A | 359,662 x | 26.80% x (1 - 33%) x 2 | | 129,162 | \$4,447,725 | 64,581 |
| C | 3,447 x | 31.60% x (1 - 15%) x 2 | | 1,852 | \$63,776 | 926 |
| Nursing Homes | | | | | | |
| Category A | 594,456 x | 49.90% x (1 - 38%) x 2 / 5 | | 73,565 | \$2,574,792 | 183,913 |
| C | 38,352 x | 31.60% x (1 - 44%) x 2 / 5 | | 2,715 | \$95,015 | 6,787 |
| D | 6,392 x | 31.60% x (1 - 21%) x 2 / 5 | | 638 | \$22,340 | 1,596 |
| Hospitals | | | | | | |
| Category A | 2,207,260 x | 27.20% x (1 - 42%) x 2 / 5 | | 139,287 | \$5,082,328 | 348,217 |
| B | 188,595 x | 21.80% x (1 - 39%) x 2 / 5 | | 10,032 | \$366,040 | 25,079 |
| C | 293,370 x | 31.60% x (1 - 37%) x 2 / 5 | | 23,362 | \$852,424 | 58,404 |
| Medical and Dental Labs | | | | | | |
| Category A | 227,773 x | 21.70% x (1 - 23%) x 2 | | 76,117 | \$2,314,160 | 38,059 |
| C | 1,754 x | 31.60% x (1 - 5%) x 2 | | 1,053 | \$32,025 | 527 |
| D | 197,766 x | 31.60% x (1 - 5%) x 2 | | 118,739 | \$3,597,366 | 59,369 |
| Home Health | | | | | | |
| Category A | 202,946 x | 36.30% x (1 - 30%) x 2 | | 103,137 | \$3,609,801 | 51,569 |
| C | 3,000 x | 31.60% x (1 - 32%) x 2 | | 1,289 | \$45,125 | 645 |
| D | 6,300 x | 36.30% x (1 - 29%) x 2 | | 3,247 | \$113,659 | 1,624 |
| Hospices | | | | | | |
| Category A | 10,565 x | 36.30% x (1 - 46%) x 2 | | 4,142 | \$144,967 | 2,071 |
| C | 154 x | 31.60% x (1 - 1%) x 2 | | 96 | \$3,372 | 48 |
| D | 27 x | 36.30% x (1 - 1%) x 2 | | 19 | \$679 | 10 |
| Hemodialysis | | | | | | |
| Category A | 11,926 x | 25.20% x (1 - 40%) x 2 | | 3,606 | \$126,225 | 1,803 |
| C | 209 x | 31.60% x (1 - 37%) x 2 | | 83 | \$2,913 | 42 |
| D | 553 x | 21.80% x (1 - 40%) x 2 | | 145 | \$5,063 | 72 |
| Drug Rehabilitation | | | | | | |
| Category A | 6,067 x | 25.50% x (1 - 33%) x 2 | | 2,073 | \$72,558 | 1,037 |
| C | 149 x | 31.60% x (1 - 44%) x 2 | | 53 | \$1,846 | 26 |
| D | 506 x | 21.80% x (1 - 14%) x 2 | | 190 | \$6,641 | 95 |
| Government Clinics | | | | | | |
| Category A | 52,156 x | 22.80% x (1 - 29%) x 2 | | 16,886 | \$591,011 | 8,443 |
| C | 381 x | 31.60% x (1 - 82%) x 2 | | 43 | \$1,517 | 22 |
| D | 3,808 x | 21.80% x (1 - 0%) x 2 | | 1,660 | \$58,110 | 830 |
| Blood/Plasma/Tissue Centers | | | | | | |
| Category A | 18,198 x | 21.80% x (1 - 56%) x 2 | | 3,491 | \$122,189 | 1,746 |
| C | 200 x | 31.60% x (1 - 34%) x 2 | | 83 | \$2,920 | 42 |
| D | 390 x | 36.30% x (1 - 66%) x 2 | | 96 | \$3,369 | 48 |

| | | | | | | | |
|--------------------------|-----------|-----------|---------------|-------|------------------|---------------------|------------------|
| Residential Care | | | | | | | |
| Category A | 41,211 x | 49.60% x | (1 - 34%) x | 2 | 26,982 | \$4,319,424 | 13,491 |
| C | 1,138 x | 31.60% x | (1 - 22%) x | 2 | 561 | \$77,434 | 280 |
| D | 6,753 x | 36.30% x | (1 - 24%) x | 2 | 3,726 | \$606,693 | 1,863 |
| Personnel Services | | | | | | | |
| Category A | 61,387 x | 100.00% x | (1 - 33%) x | 2 / 5 | 16,452 | \$575,810 | 41,129 |
| D | 102,090 x | 31.60% x | (1 - 0%) x | 2 / 5 | 12,904 | \$451,646 | 32,260 |
| Funeral Services | | | | | | | |
| Category A | 51,054 x | 21.80% x | (1 - 21%) x | 2 | 17,585 | \$615,476 | 8,793 |
| C | 2,721 x | 31.60% x | (1 - 20%) x | 2 | 1,376 | \$19,855 | 688 |
| D | 3,288 x | 31.60% x | (1 - 48%) x | 2 | 1,081 | \$40,224 | 540 |
| Health Units in Industry | | | | | | | |
| Category A | 34,184 x | 31.70% x | (1 - 9%) x | 2 | 19,722 | \$690,274 | 9,861 |
| B | 141,051 x | 21.80% x | (1 - 2%) x | 2 | 60,268 | \$2,109,389 | 30,134 |
| D | 3,497 x | 31.60% x | (1 - 4%) x | 2 | 2,122 | \$74,259 | 1,061 |
| Research Labs | | | | | | | |
| Category A | 87,484 x | 21.80% x | (1 - 53%) x | 2 | 17,927 | \$627,453 | 8,964 |
| C | 1,315 x | 31.60% x | (1 - 26%) x | 2 | 615 | \$21,525 | 307 |
| D | 352 x | 21.80% x | (1 - 0%) x | 2 | 153 | \$5,372 | 77 |
| Linen Service | | | | | | | |
| D | 50,000 x | 54.00% x | (1 - 90%) x | 2 | 5,400 | \$189,000 | 2,700 |
| Medical Equipment Repair | | | | | | | |
| Category A | 473 x | 38.30% x | (1 - 53%) x | 2 | 170 | \$5,960 | 85 |
| B | 200 x | 38.30% x | (1 - 35%) x | 2 | 100 | \$3,485 | 50 |
| C | 5,152 x | 21.80% x | (1 - 5%) x | 2 | 2,134 | \$74,689 | 1,067 |
| D | 360 x | 21.80% x | (1 - 11%) x | 2 | 140 | \$4,889 | 70 |
| Law Enforcement | | | | | | | |
| Category A | 306,769 x | 10.10% x | (1 - 16%) x | 2 / 5 | 10,411 | \$364,368 | 26,026 |
| B | 1,137 x | 21.80% x | (1 - 15%) x | 2 / 5 | 84 | \$2,950 | 211 |
| C | 2,617 x | 31.60% x | (1 - 3%) x | 2 / 5 | 321 | \$11,230 | 802 |
| D | 31,022 x | 10.10% x | (1 - 39%) x | 2 / 5 | 765 | \$26,758 | 1,911 |
| Fire and Rescue | | | | | | | |
| Category A | 113,866 x | 21.80% x | (1 - 44%) x | 2 / 5 | 5,560 | \$194,611 | 13,901 |
| B | 136,412 x | 8.50% x | (1 - 23%) x | 2 / 5 | 3,571 | \$124,994 | 8,928 |
| D | 1,770 x | 38.30% x | (1 - 38%) x | 2 / 5 | 168 | \$5,884 | 420 |
| Correctional Facilities | | | | | | | |
| Category A | 8,381 x | 31.70% x | (1 - 22%) x | 2 / 5 | 829 | \$29,012 | 2,072 |
| B | 82,883 x | 41.00% x | (1 - 22%) x | 2 / 5 | 10,602 | \$371,084 | 26,506 |
| C | 7,273 x | 31.60% x | (1 - 19%) x | 2 / 5 | 745 | \$26,062 | 1,862 |
| D | 21,687 x | 29.10% x | (1 - 28%) x | 2 / 5 | 1,818 | \$63,614 | 4,544 |
| Lifesaving | | | | | | | |
| Category A | 5,000 x | 21.80% x | (1 - 25%) x | 2 | 1,635 | \$57,225 | 818 |
| Schools | | | | | | | |
| Category A | 23,514 x | 25.00% x | (1 - 0%) x | 2 | 11,757 | \$411,495 | 5,879 |
| D | 17,848 x | 36.30% x | (1 - 0%) x | 2 | 12,958 | \$453,518 | 6,479 |
| Waste Removal | | | | | | | |
| Category A | 13,300 x | 36.30% x | (1 - 50%) x | 2 | 4,828 | \$168,977 | 2,414 |
| Total | | | | | 1,316,785 | \$48,507,445 | 1,286,048 |

Table 17

Retraining of In-Service Employees

Hours = 1,203,867
 #12 = \$ 42,128,418

Hours = ((incremental recurring training time x in-service sessions x compliance rate) + (total recurring training time x # in-service sessions x (1-compliance rate)))

Assumptions

- * Incremental training time required for establishments already providing some training is 1/2 hour.
- * Total training time required for establishments not already providing some training is 1 hour.
- * Number of in-service sessions for hospitals, nursing homes, personnel services, fire and rescue, corrections, and law enforcement is (# trainees/30).
- * Number of in-service sessions for other sectors is (# establishments x # affected occupational categories).

| | | | | | <u>Hours</u> | <u>#12</u> | <u>Responses</u> |
|--------------------------|--------|-----------|---------------|-----------|-----------------|------------|-------------------|
| Office of the Physicians | | | | | | | |
| Category A (| 0.50 * | 122,104 * | 34%) + (1 * | 122,104 * | (1 - 34%)) = | 101,346 \$ | 3,547,121 122,104 |
| C (| 0.50 * | 122,104 * | 55%) + (1 * | 122,104 * | (1 - 55%)) = | 88,525 \$ | 3,098,289 122,104 |
| D (| 0.50 * | 122,104 * | 0%) + (1 * | 122,104 * | (1 - 0%)) = | 122,104 \$ | 4,273,640 122,104 |
| Office of Dentists | | | | | | | |
| Category A (| 0.50 * | 100,174 * | 58%) + (1 * | 100,174 * | (1 - 58%)) = | 71,124 \$ | 2,489,324 100,174 |
| C (| 0.50 * | 100,174 * | 14%) + (1 * | 100,174 * | (1 - 14%)) = | 93,162 \$ | 3,260,664 100,174 |
| Nursing Homes | | | | | | | |
| Category A (| 0.50 * | 15,019 * | 80%) + (1 * | 15,019 * | (1 - 80%)) = | 9,011 \$ | 315,397 15,019 |
| C (| 0.50 * | 907 * | 69%) + (1 * | 907 * | (1 - 69%)) = | 594 \$ | 20,801 907 |
| D (| 0.50 * | 251 * | 66%) + (1 * | 251 * | (1 - 66%)) = | 168 \$ | 5,874 251 |
| Hospitals | | | | | | | |
| Category A (| 0.50 * | 65,355 * | 77%) + (1 * | 65,355 * | (1 - 77%)) = | 40,193 \$ | 1,406,758 65,355 |
| B (| 0.50 * | 5,487 * | 74%) + (1 * | 5,487 * | (1 - 74%)) = | 3,457 \$ | 120,984 5,487 |
| C (| 0.50 * | 8,697 * | 79%) + (1 * | 8,697 * | (1 - 79%)) = | 5,262 \$ | 184,167 8,697 |
| Medical and Dental Labs | | | | | | | |
| Category A (| 0.50 * | 4,425 * | 69%) + (1 * | 4,425 * | (1 - 69%)) = | 2,896 \$ | 101,443 4,425 |
| C (| 0.50 * | 4,425 * | 61%) + (1 * | 4,425 * | (1 - 61%)) = | 3,075 \$ | 107,638 4,425 |
| D (| 0.50 * | 4,425 * | 13%) + (1 * | 4,425 * | (1 - 13%)) = | 4,137 \$ | 144,808 4,425 |
| Home Health Care | | | | | | | |
| Category A (| 0.50 * | 6,437 * | 85%) + (1 * | 6,437 * | (1 - 85%)) = | 3,701 \$ | 129,545 6,437 |
| C (| 0.50 * | 6,437 * | 16%) + (1 * | 6,437 * | (1 - 16%)) = | 5,922 \$ | 207,271 6,437 |
| D (| 0.50 * | 6,437 * | 68%) + (1 * | 6,437 * | (1 - 68%)) = | 4,248 \$ | 148,695 6,437 |
| Hospices | | | | | | | |
| Category A (| 0.50 * | 651 * | 85%) + (1 * | 651 * | (1 - 85%)) = | 374 \$ | 13,101 651 |
| C (| 0.50 * | 651 * | 93%) + (1 * | 651 * | (1 - 93%)) = | 348 \$ | 12,190 651 |
| D (| 0.50 * | 651 * | 96%) + (1 * | 651 * | (1 - 96%)) = | 339 \$ | 11,848 651 |
| Hemodialysis | | | | | | | |
| Category A (| 0.50 * | 782 * | 68%) + (1 * | 782 * | (1 - 68%)) = | 516 \$ | 18,064 782 |
| C (| 0.50 * | 782 * | 51%) + (1 * | 782 * | (1 - 51%)) = | 583 \$ | 20,391 782 |
| D (| 0.50 * | 782 * | 70%) + (1 * | 782 * | (1 - 70%)) = | 508 \$ | 17,791 782 |

Table 17

Retraining of In-Service Employees

| | | | | | | | | | | | |
|-----------------------------|--------|-----------|-------|---|-------|-----------|---------------|---|------------|-----------|---------|
| Drug Rehabilitation | | | | | | | | | | | |
| Category A (| 0.50 * | 744 * | 70%) | + | (1 * | 744 * | (1 - 70%)) | = | 484 \$ | 16,926 | 744 |
| C (| 0.50 * | 744 * | 82%) | + | (1 * | 744 * | (1 - 82%)) | = | 439 \$ | 15,384 | 744 |
| D (| 0.50 * | 744 * | 5%) | + | (1 * | 744 * | (1 - 5%)) | = | 725 \$ | 25,389 | 744 |
| Government Clinics | | | | | | | | | | | |
| Category A (| 0.50 * | 10,893 * | 34%) | + | (1 * | 10,893 * | (1 - 34%)) | = | 9,041 \$ | 316,442 | 10,893 |
| C (| 0.50 * | 10,893 * | 55%) | + | (1 * | 10,893 * | (1 - 55%)) | = | 7,897 \$ | 276,410 | 10,893 |
| D (| 0.50 * | 10,893 * | 0%) | + | (1 * | 10,893 * | (1 - 0%)) | = | 10,893 \$ | 381,255 | 10,893 |
| Blood/Plasma/Tissue Centers | | | | | | | | | | | |
| Category A (| 0.50 * | 730 * | 62%) | + | (1 * | 730 * | (1 - 62%)) | = | 504 \$ | 17,630 | 730 |
| C (| 0.50 * | 730 * | 40%) | + | (1 * | 730 * | (1 - 40%)) | = | 584 \$ | 20,440 | 730 |
| D (| 0.50 * | 730 * | 58%) | + | (1 * | 730 * | (1 - 58%)) | = | 518 \$ | 18 | 730 |
| Residential Care | | | | | | | | | | | |
| Category A (| 0.50 * | 2,425 * | 77%) | + | (1 * | 2,425 * | (1 - 77%)) | = | 1,491 \$ | 52,198 | 2,425 |
| C (| 0.50 * | 2,425 * | 61%) | + | (1 * | 2,425 * | (1 - 61%)) | = | 1,685 \$ | 58,988 | 2,425 |
| D (| 0.50 * | 2,425 * | 89%) | + | (1 * | 2,425 * | (1 - 89%)) | = | 1,346 \$ | 47,106 | 2,425 |
| Personnel Services | | | | | | | | | | | |
| Category A (| 0.50 * | 2,046 * | 65%) | + | (1 * | 2,046 * | (1 - 65%)) | = | 1,381 \$ | 48,242 | 2,046 |
| D (| 0.50 * | 3,403 * | 10%) | + | (1 * | 3,403 * | (1 - 10%)) | = | 3,403 \$ | 119,105 | 3,403 |
| Funeral Services | | | | | | | | | | | |
| Category A (| 0.50 * | 19,890 * | 41%) | + | (1 * | 19,890 * | (1 - 41%)) | = | 15,813 \$ | 553,439 | 19,890 |
| C (| 0.50 * | 19,890 * | 8%) | + | (1 * | 19,890 * | (1 - 8%)) | = | 19,094 \$ | 668,304 | 19,890 |
| D (| 0.50 * | 19,890 * | 51%) | + | (1 * | 19,890 * | (1 - 51%)) | = | 14,818 \$ | 518,632 | 19,890 |
| Health Units in Industry | | | | | | | | | | | |
| Category A (| 0.50 * | 202,540 * | 56%) | + | (1 * | 202,540 * | (1 - 56%)) | = | 145,829 \$ | 5,104,008 | 202,540 |
| B (| 0.50 * | 202,540 * | 8%) | + | (1 * | 202,540 * | (1 - 8%)) | = | 194,438 \$ | 6,805,344 | 202,540 |
| D (| 0.50 * | 202,540 * | 29%) | + | (1 * | 202,540 * | (1 - 29%)) | = | 173,172 \$ | 6,061,010 | 202,540 |
| Research Labs | | | | | | | | | | | |
| Category A (| 0.50 * | 1,453 * | 38%) | + | (1 * | 1,453 * | (1 - 38%)) | = | 1,177 \$ | 41,193 | 1,453 |
| C (| 0.50 * | 1,453 * | 42%) | + | (1 * | 1,453 * | (1 - 42%)) | = | 1,148 \$ | 40,175 | 1,453 |
| D (| 0.50 * | 1,453 * | 0%) | + | (1 * | 1,453 * | (1 - 0%)) | = | 1,453 \$ | 50,855 | 1,453 |
| Linen Service | | | | | | | | | | | |
| D (| 0.50 * | 1,250 * | 90%) | + | (1 * | 1,250 * | (1 - 90%)) | = | 688 \$ | 24,063 | 1,250 |
| Medical Equipment Repair | | | | | | | | | | | |
| Category A (| 0.50 * | 1,076 * | 61%) | + | (1 * | 1,076 * | (1 - 61%)) | = | 748 \$ | 26,174 | 1,076 |
| B (| 0.50 * | 1,076 * | 93%) | + | (1 * | 1,076 * | (1 - 93%)) | = | 581 \$ | 20,336 | 1,076 |
| C (| 0.50 * | 1,076 * | 44%) | + | (1 * | 1,076 * | (1 - 44%)) | = | 839 \$ | 29,375 | 1,076 |
| D (| 0.50 * | 1,076 * | 29%) | + | (1 * | 1,076 * | (1 - 29%)) | = | 920 \$ | 32,199 | 1,076 |
| Law Enforcement | | | | | | | | | | | |
| Category A (| 0.50 * | 10,226 * | 46%) | + | (1 * | 10,226 * | (1 - 46%)) | = | 7,874 \$ | 275,581 | 10,226 |
| B (| 0.50 * | 38 * | 10%) | + | (1 * | 38 * | (1 - 10%)) | = | 36 \$ | 1,260 | 38 |

Table 18

Recordkeeping: Medical Records

Hours = [((# workers x 10 minutes (.08 hour) + (3 potentially vaccinated x .15 minutes (.25 hour) x job turnover rate) + [# of exposures x (5 minutes + 15 minutes)]

Assumptions:

Cost of creating records for new hires: [((# of workers x .08 hour) + (# of potentially vaccinated x .2 hour)) x Job turnover]

- 10 minutes is required to establish a file for a new worker

- # potentially vaccinated = (# workers - (# workers x prior vaccination rate)) x participation rate.

- 15 minutes of HCP is need to prepare a written opinion with regard to the ability of each employee to accept the hepatitis B vaccine

Time required to update records and have a health care professional I prepare a written opinion workers reporting exposures exposure is [# of exposures x (5 minutes + 15 minutes)]

- 5 minutes to update existing files

- 15 minutes is required for a HCP to prepare a written opinion regarding an exposure incident

| | | | | Hours | No .12 Costs | Response |
|---------------------------------|---|---|--|---------|--------------|-----------|
| Office of the Physicians | | | | | | |
| Category A | (((967,629 x 0.17) + (269,366 x 0.25)) | 22.80%] + [179,493 x (0.083 + 0.25)] = | | 112,630 | \$2,137,724 | 461,528 |
| C | (((6,969 x 0.17) + (1,447 x 0.25)) | 31.60%] + [0 x (0.083 + 0.25)] = | | 489 | \$9,275 | 2,659 |
| D | (((69,685 x 0.17) + (15,740 x 0.25)) | 21.80%] + [0 x (0.083 + 0.25)] = | | 3,440 | \$65,298 | 18,623 |
| Office of Dentists | | | | | | |
| Category A | (((359,662 x 0.17) + (87,580 x 0.25)) | 26.80%] + [279,485 x (0.083 + 0.25)] = | | 115,323 | \$2,188,822 | 399,346 |
| C | (((3,447 x 0.17) + (814 x 0.25)) | 31.60%] + [43,075 x (0.083 + 0.25)] = | | 14,593 | \$276,984 | 44,421 |
| Nursing Homes | | | | | | |
| Category A | (((594,456 x 0.17) + (169,421 x 0.25)) | 49.90%] + [35,746 x (0.083 + 0.25)] = | | 83,466 | \$1,584,192 | 416,921 |
| C | (((38,352 x 0.17) + (12,848 x 0.25)) | 31.60%] + [5,002 x (0.083 + 0.25)] = | | 4,741 | \$89,983 | 21,181 |
| D | (((6,392 x 0.17) + (1,183 x 0.25)) | 31.60%] + [4,636 x (0.083 + 0.25)] = | | 1,981 | \$37,592 | 7,030 |
| Hospitals | | | | | | |
| Category A | (((2,207,260 x 0.17) + (655,817 x 0.25)) | 27.20%] + [254,449 x (0.083 + 0.25)] = | | 231,391 | \$4,391,797 | 1,033,206 |
| B | (((188,595 x 0.17) + (65,866 x 0.25)) | 21.80%] + [34,579 x (0.083 + 0.25)] = | | 22,094 | \$419,341 | 90,051 |
| C | (((293,270 x 0.17) + (56,581 x 0.25)) | 31.60%] + [30,799 x (0.083 + 0.25)] = | | 30,480 | \$578,519 | 141,352 |
| Medical and Dental Labs | | | | | | |
| Category A | (((227,773 x 0.17) + (60,899 x 0.25)) | 21.70%] + [5,177 x (0.083 + 0.25)] = | | 13,430 | \$254,906 | 67,819 |
| C | (((1,754 x 0.17) + (469 x 0.25)) | 31.60%] + [0 x (0.083 + 0.25)] = | | 131 | \$2,492 | 702 |
| D | (((197,766 x 0.17) + (52,155 x 0.25)) | 31.60%] + [487 x (0.083 + 0.25)] = | | 14,906 | \$282,924 | 79,462 |
| Home Health | | | | | | |
| Category A | (((202,946 x 0.17) + (75,334 x 0.25)) | 36.30%] + [6,244 x (0.083 + 0.25)] = | | 21,440 | \$406,924 | 107,260 |
| C | (((3,000 x 0.17) + (792 x 0.25)) | 31.60%] + [0 x (0.083 + 0.25)] = | | 224 | \$4,246 | 1,198 |
| D | (((6,300 x 0.17) + (1,890 x 0.25)) | 36.30%] + [2,575 x (0.083 + 0.25)] = | | 1,418 | \$26,909 | 5,548 |
| Hospices | | | | | | |

| | | | | |
|-----------------------------|--|--------|-------------|---------|
| Category A | (((10,565 x 0.17) + (3,091 x 0.25)) 36.30%] + [684 x (0.083 + 0.25)] = | 1,160 | \$22,021 | 5,641 |
| C | (((154 x 0.17) + (46 x 0.25)) 31.60%] + [0 x (0.083 + 0.25)] = | 12 | \$226 | 63 |
| D | (((27 x 0.17) + (19 x 0.25)) 36.30%] + [215 x (0.083 + 0.25)] = | 75 | \$1,415 | 232 |
| Hemodialysis | | | | |
| Category A | (((11,926 x 0.17) + (4,224 x 0.25)) 25.50%] + [4,684 x (0.083 + 0.25)] = | 2,346 | \$44,528 | 8,802 |
| C | (((209 x 0.17) + (39 x 0.25)) 31.60%] + [477 x (0.083 + 0.25)] = | 173 | \$3,286 | 555 |
| D | (((553 x 0.17) + (166 x 0.25)) 21.80%] + [141 x (0.083 + 0.25)] = | 76 | \$1,452 | 298 |
| Drug Rehabilitation | | | | |
| Category A | (((6,067 x 0.17) + (1,542 x 0.25)) 25.50%] + [283 x (0.083 + 0.25)] = | 456 | \$8,646 | 2,223 |
| C | (((149 x 0.17) + (56 x 0.25)) 31.60%] + [0 x (0.083 + 0.25)] = | 12 | \$236 | 65 |
| D | (((506 x 0.17) + (146 x 0.25)) 21.80%] + [0 x (0.083 + 0.25)] = | 27 | \$507 | 142 |
| Government Clinics | | | | |
| Category A | (((52,156 x 0.17) + (14,312 x 0.25)) 22.80%] + [16,013 x (0.083 + 0.25)] = | 8,170 | \$155,061 | 31,168 |
| C | (((381 x 0.17) + (133 x 0.25)) 31.60%] + [0 x (0.083 + 0.25)] = | 31 | \$588 | 162 |
| D | (((3,808 x 0.17) + (1,142 x 0.25)) 21.80%] + [0 x (0.083 + 0.25)] = | 203 | \$3,860 | 1,079 |
| Blood/Plasma/Tissue Centers | | | | |
| Category A | (((18,198 x 0.17) + (5,394 x 0.25)) 21.80%] + [6,453 x (0.083 + 0.25)] = | 3,117 | \$59,165 | 11,596 |
| C | (((200 x 0.17) + (44 x 0.25)) 31.60%] + [139 x (0.083 + 0.25)] = | 61 | \$1,148 | 216 |
| D | (((390 x 0.17) + (94 x 0.25)) 36.30%] + [197 x (0.083 + 0.25)] = | 98 | \$1,864 | 373 |
| Residential Care | | | | |
| Category A | (((41,211 x 0.17) + (47,501 x 0.25)) 49.60%] + [4,850 x (0.083 + 0.25)] = | 10,980 | | |
| C | (((1,138 x 0.17) + (1,077 x 0.25)) 31.60%] + [388 x (0.083 + 0.25)] = | 275 | \$5,227 | 1,088 |
| D | (((6,753 x 0.17) + (7,050 x 0.25)) 36.30%] + [2,571 x (0.083 + 0.25)] = | 1,913 | \$36,302 | 7,581 |
| Personnel Services | | | | |
| Category A | (((61,387 x 0.17) + (22,406 x 0.25) 100.00%] + [2,993 x (0.083 + 0.25)] = | 17,034 | \$323,305 | 86,786 |
| D | (((102,090 x 0.17) + (51,045 x 0.25)) 31.60%] + [0 x (0.083 + 0.25)] = | 9,517 | \$180,629 | 48,391 |
| Funeral Services | | | | |
| Category A | (((51,054 x 0.17) + (0 x 0.25)) 21.80%] + [0 x (0.083 + 0.25)] = | 1,892 | \$35,911 | 11,130 |
| C | (((2,721 x 0.17) + (410 x 0.25)) 31.60%] + [11,735 x (0.083 + 0.25)] = | 4,086 | \$77,558 | 12,724 |
| D | (((3,238 x 0.17) + (1,749 x 0.25)) 31.60%] + [0 x (0.083 + 0.25)] = | 312 | \$5,924 | 1,576 |
| Health Units in Industry | | | | |
| Category A | (((34,184 x 0.17) + (0 x 0.25)) 31.70%] + [0 x (0.083 + 0.25)] = | 1,842 | \$34,964 | 10,836 |
| B | (((141,051 x 0.17) + (37,237 x 0.25)) 21.80%] + [186,835 x (0.083 + 0.25)] = | 69,473 | \$1,318,594 | 225,702 |
| D | (((3,497 x 0.17) + (1,049 x 0.25)) 31.60%] + [0 x (0.083 + 0.25)] = | 271 | \$5,138 | 1,437 |
| Research Labs | | | | |
| Category A | (((87,484 x 0.17) + (27,864 x 0.25)) 21.80%] + [0 x (0.083 + 0.25)] = | 4,761 | \$90,359 | 25,146 |
| C | (((1,315 x 0.17) + (658 x 0.25)) 31.60%] + [494 x (0.083 + 0.25)] = | 287 | \$5,450 | 1,117 |
| D | (((352 x 0.17) + (106 x 0.25)) 21.80%] + [0 x (0.083 + 0.25)] = | 19 | \$357 | 100 |
| Linen Service | | | | |
| D | (((50,000 x 0.17) + (15,050 x 0.25)) 54.00%] + [3,000 x (0.083 + 0.25)] = | 7,621 | \$144,642 | 38,127 |
| Medical Equipment Repair | | | | |
| Category A | (((473 x 0.17) + (43 x 0.25)) 36.30%] + [0 x (0.083 + 0.25)] = | 33 | \$628 | 187 |

| | | | | | | | | |
|-------------------------|-----|----------------------|-------------------|--------------|-------------------------------|----------------|---------------------|------------------|
| B | (((| 200 x 0.17) + (| 0 x 0.25)) | 36.30%] + [| 0 x (0.083 + 0.25)] = | 12 | \$234 | 73 |
| C | (((| 5,152 x 0.17) + (| 1,808 x 0.25)) | 21.80%] + [| 161 x (0.083 + 0.25)] = | 343 | \$6,512 | 1,678 |
| D | (((| 360 x 0.17) + (| 88 x 0.25)) | 21.80%] + [| 2,464 x (0.083 + 0.25)] = | 839 | \$15,918 | 2,562 |
| Law Enforcement | | | | | | | | |
| Category A | (((| 306,769 x 0.17) + (| 0 x 0.25)) | 10.10%] + [| 18,993 x (0.083 + 0.25)] = | 11,592 | \$220,014 | 49,977 |
| B | (((| 1,137 x 0.17) + (| 341 x 0.25)) | 21.80%] + [| 2,770 x (0.083 + 0.25)] = | 983 | \$18,660 | 3,092 |
| C | (((| 2,617 x 0.17) + (| 0 x 0.25)) | 31.60%] + [| 1,444 x (0.083 + 0.25)] = | 621 | \$11,795 | 2,271 |
| D | (((| 31,022 x 0.17) + (| 7,818 x 0.25)) | 10.10%] + [| 4,204 x (0.083 + 0.25)] = | 2,130 | \$40,427 | 8,127 |
| Fire and Rescue | | | | | | | | |
| Category A | (((| 113,866 x 0.17) + (| 31,427 x 0.25)) | 21.80%] + [| 10,411 x (0.083 + 0.25)] = | 9,400 | \$178,403 | 42,085 |
| B | (((| 136,412 x 0.17) + (| 40,924 x 0.25)) | 8.50%] + [| 857 x (0.083 + 0.25)] = | 3,126 | \$59,335 | 15,931 |
| D | (((| 1,770 x 0.17) + (| 0 x 0.25)) | 36.30%] + [| 2,158 x (0.083 + 0.25)] = | 828 | \$15,712 | 2,801 |
| Correctional Facilities | | | | | | | | |
| Category A | (((| 8,381 x 0.17) + (| 3,269 x 0.25)) | 31.70%] + [| 3,034 x (0.083 + 0.25)] = | 1,721 | \$32,665 | 6,727 |
| B | (((| 82,883 x 0.17) + (| 24,368 x 0.25)) | 41.00%] + [| 1,887 x (0.083 + 0.25)] = | 8,903 | \$168,980 | 45,860 |
| C | (((| 7,273 x 0.17) + (| 1,680 x 0.25)) | 31.60%] + [| 459 x (0.083 + 0.25)] = | 676 | \$12,836 | 3,288 |
| D | (((| 21,687 x 0.17) + (| 0 x 0.25)) | 29.10%] + [| 3,793 x (0.083 + 0.25)] = | 2,336 | \$44,336 | 10,104 |
| Lifesaving | | | | | | | | |
| Category A | (((| 5,000 x 0.17) + (| 1,518 x 0.25)) | 21.80%] + [| 457 x (0.083 + 0.25)] = | 420 | \$7,976 | 1,878 |
| Schools | | | | | | | | |
| Category A | (((| 23,514 x 0.17) + (| 0 x 0.25)) | 25.00%] + [| 6,321 x (0.083 + 0.25)] = | 3,104 | \$58,918 | 12,200 |
| D | (((| 17,848 x 0.17) + (| 5,922 x 0.25)) | 36.30%] + [| 6,321 x (0.083 + 0.25)] = | 3,744 | \$71,056 | 14,950 |
| Waste Removal | | | | | | | | |
| Category A | (((| 13,300 x 0.17) + (| 3,591 x 0.25)) | 36.30%] + [| 50 x (0.083 + 0.25)] = | 1,163 | \$22,079 | 6,181 |
| TOTALS | | | | | | 870,452 | \$16,312,775 | 3,662,634 |

Table 19

Recordkeeping: Updating or Creating Training Records.

Hours + # employees x (1+ turnover rate/2) x 10 minutes (.017 hour)

Assumptions

One minute per employee per year will be required to create or update training records

| | | | | | Hours | Cost | Responses |
|------------------------------------|-----------|------------------------|---------|--|--------------|-------------|------------------|
| Office of Physicians | | | | | | | |
| Category A | 967,626 | x (1 + 22.80% / 2 x) | 0.017 = | | 18,325 | \$347,807 | 1077935 |
| C | 6,969 | x (1 + 31.60% / 2 x) | 0.017 = | | 137 | \$2,604 | 8070 |
| D | 69,685 | x (1 + 21.80% / 2 x) | 0.017 = | | 1,314 | \$24,935 | 77281 |
| Office of Dentists | | | | | | | |
| Category A | 359,662 | x (1 + 26.80% / 2 x) | 0.017 = | | 6,934 | \$131,599 | 407857 |
| C | 3,447 | x (1 + 31.60% / 2 x) | 0.017 = | | 68 | \$1,288 | 3992 |
| Nursing Homes | | | | | | | |
| Category A | 594,456 | x (1 + 49.90% / 2 x) | 0.017 = | | 12,627 | \$239,663 | 742773 |
| C | 38,352 | x (1 + 31.60% / 2 x) | 0.017 = | | 755 | \$14,330 | 44412 |
| D | 6,392 | x (1 + 31.60% / 2 x) | 0.017 = | | 126 | \$2,388 | 7402 |
| Hospitals | | | | | | | |
| Category A | 2,207,260 | x (1 + 27.20% / 2 x) | 0.017 = | | 42,627 | \$809,053 | 2507447 |
| B | 188,595 | x (1 + 21.80% / 2 x) | 0.017 = | | 3,556 | \$67,485 | 209152 |
| C | 293,370 | x (1 + 31.60% / 2 x) | 0.017 = | | 5,775 | \$109,615 | 339722 |
| Medical and Dental Labs | | | | | | | |
| Category A | 227,773 | x (1 + 21.70% / 2 x) | 0.017 = | | 4,292 | \$81,467 | 252486 |
| C | 1,754 | x (1 + 31.60% / 2 x) | 0.017 = | | 35 | \$655 | 2031 |
| D | 197,766 | x (1 + 31.60% / 2 x) | 0.017 = | | 3,893 | \$73,893 | 229013 |
| Home Health | | | | | | | |
| Category A | 202,946 | x (1 + 36.30% / 2 x) | 0.017 = | | 4,076 | \$77,368 | 239781 |
| C | 3,000 | x (1 + 31.60% / 2 x) | 0.017 = | | 59 | \$1,121 | 3474 |
| D | 6,300 | x (1 + 36.30% / 2 x) | 0.017 = | | 127 | \$2,402 | 7443 |
| Hospices | | | | | | | |
| Category A | 10,565 | x (1 + 36.30% / 2 x) | 0.017 = | | 212 | \$4,028 | 12483 |
| C | 154 | x (1 + 31.60% / 2 x) | 0.017 = | | 3 | \$58 | 178 |
| D | 27 | x (1 + 36.30% / 2 x) | 0.017 = | | 1 | \$10 | 32 |
| Hemodialysis | | | | | | | |
| Category A | 11,926 | x (1 + 25.50% / 2 x) | 0.017 = | | 229 | \$4,339 | 13447 |
| C | 209 | x (1 + 31.60% / 2 x) | 0.017 = | | 4 | \$78 | 242 |
| D | 553 | x (1 + 21.80% / 2 x) | 0.017 = | | 10 | \$198 | 613 |
| Drug Rehabilitation | | | | | | | |
| Category A | 6,067 | x (1 + 25.50% / 2 x) | 0.017 = | | 116 | \$2,207 | 6841 |
| C | 149 | x (1 + 31.60% / 2 x) | 0.017 = | | 3 | \$56 | 173 |
| D | 506 | x (1 + 21.80% / 2 x) | 0.017 = | | 10 | \$181 | 561 |
| Government Clinics | | | | | | | |
| Category A | 52,156 | x (1 + 22.80% / 2 x) | 0.017 = | | 988 | \$18,747 | 58102 |
| C | 381 | x (1 + 31.60% / 2 x) | 0.017 = | | 8 | \$142 | 441 |
| D | 3,808 | x (1 + 21.80% / 2 x) | 0.017 = | | 72 | \$1,363 | 4223 |
| Blood/Plasma/Tissue Centers | | | | | | | |
| Category A | 18,198 | x (1 + 21.80% / 2 x) | 0.017 = | | 343 | \$6,512 | 20182 |
| C | 200 | x (1 + 31.60% / 2 x) | 0.017 = | | 4 | \$75 | 232 |
| D | 390 | x (1 + 36.30% / 2 x) | 0.017 = | | 8 | \$149 | 461 |
| Residential Care | | | | | | | |
| Category A | 41,211 | x (1 + 49.60% / 2 x) | 0.017 = | | 874 | \$16,595 | 51431 |
| C | 1,138 | x (1 + 31.60% / 2 x) | 0.017 = | | 22 | \$425 | 1318 |
| D | 6,753 | x + 36.30% / 2 x) | 0.017 = | | 21 | \$395 | 1226 |

| | | | | | | | |
|---------------------------------|---------|------------------------|---------|---------|-------------|-----------|--|
| Personnel Services | | | | | | | |
| Category A | 61,387 | x (1 + 1.00% / 2 x) | 0.017 = | 1,049 | \$19,906 | 61694 | |
| D | 102,090 | x (1 + 31.60% / 2 x) | 0.017 = | 2,010 | \$38,145 | 118220 | |
| Funeral Services | | | | | | | |
| Category A | 51,054 | x (1 + 21.50% / 2 x) | 0.017 = | 961 | \$18,244 | 56542 | |
| C | 2,721 | x (1 + 31.50% / 2 x) | 0.017 = | 54 | \$1,016 | 3150 | |
| D | 3,238 | x (1 + 31.50% / 2 x) | 0.017 = | 64 | \$1,209 | 3748 | |
| Health Units in Industry | | | | | | | |
| Category A | 34,184 | x (1 + 31.60% / 2 x) | 0.017 = | 673 | \$12,773 | 39585 | |
| B | 141,051 | x (1 + 21.80% / 2 x) | 0.017 = | 2,659 | \$50,472 | 156426 | |
| D | 3,497 | x (1 + 31.60% / 2 x) | 0.017 = | 69 | \$1,307 | 4050 | |
| Research Labs | | | | | | | |
| Category A | 87,484 | x (1 + 21.80% / 2 x) | 0.017 = | 1,649 | \$31,304 | 97020 | |
| C | 1,315 | x (1 + 31.60% / 2 x) | 0.017 = | 26 | \$491 | 1523 | |
| D | 352 | x + 21.80% / 2 x) | 0.017 = | 1 | \$12 | 38 | |
| Linen Service | | | | | | | |
| D | 50,000 | x (1 + 54.00% / 2 x) | 0.017 = | 1,080 | \$20,489 | 63500 | |
| Medical Equipment Repair | | | | | | | |
| Category A | 473 | x (1 + 36.30% / 2 x) | 0.017 = | 10 | \$180 | 559 | |
| B | 200 | x (1 + 36.30% / 2 x) | 0.017 = | 4 | \$76 | 236 | |
| C | 5,152 | x (1 + 21.80% / 2 x) | 0.017 = | 97 | \$1,844 | 5714 | |
| D | 360 | x (1 + 21.80% / 2 x) | 0.017 = | 7 | \$129 | 399 | |
| Law Enforcement | | | | | | | |
| Category A | 306,769 | x + 10.10% / 2 x) | 0.017 = | 263 | \$4,999 | 15492 | |
| B | 1,137 | x (1 + 21.80% / 2 x) | 0.017 = | 21 | \$407 | 1261 | |
| C | 2,617 | x (1 + 31.80% / 2 x) | 0.017 = | 52 | \$979 | 3033 | |
| D | 31,022 | x (1 + 10.10% / 2 x) | 0.017 = | 554 | \$10,515 | 32589 | |
| Fire and Rescue | | | | | | | |
| Category A | 113,866 | x (1 + 21.80% / 2 x) | 0.017 = | 2,147 | \$40,745 | 126277 | |
| B | 136,412 | x (1 + 8.50% / 2 x) | 0.017 = | 2,418 | \$45,885 | 142210 | |
| D | 1,770 | x + 36.30% / 2 x) | 0.017 = | 5 | \$104 | 321 | |
| Correctional Facilities | | | | | | | |
| Category A | 8,381 | x (1 + 31.60% / 2 x) | 0.017 = | 165 | \$3,131 | 9705 | |
| B | 82,883 | x + 41.00% / 2 x) | 0.017 = | 289 | \$5,482 | 16991 | |
| C | 7,273 | x (1 + 31.60% / 2 x) | 0.017 = | 143 | \$2,717 | 8422 | |
| D | 21,687 | x + 29.10% / 2 x) | 0.017 = | 54 | \$1,018 | 3155 | |
| Lifesaving | | | | | | | |
| Category A | 5,000 | x + 21.80% / 2 x) | 0.017 = | 9 | \$176 | 545 | |
| Schools | | | | | | | |
| Category A | 23,514 | x + 25.00% / 2 x) | 0.017 = | 50 | \$948 | 2939 | |
| D | 17,848 | x + 36.30% / 2 x) | 0.017 = | 55 | \$1,045 | 3239 | |
| Waste Removal | | | | | | | |
| Category D | 13,300 | x + 36.30% / 2 x) | 0.017 = | 41 | \$779 | 2414 | |
| TOTALS | | | | 124,329 | \$2,359,758 | 7,313,452 | |