

Hours	Item 12	Item 13	Responses
	1,443,520	\$73,648,416 NA	700,724

TABLE 1

**Exposure Control Plan**

**Hours** = # of Establishments x Time

**Cost** = # Burden Hours x \$47.36 (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 Establishments	Hours per Facility	Burden Hours	No. 12	Responses
Offices of Physicians	225,095 x	2	450,190	\$22,968,694	225,095
Offices of Dentists	134,631 x	2	269,262	\$13,737,747	134,631
Nursing Homes	20,693 x	2	41,385	\$2,111,463	20,693
Hospitals	7,012 x	8	56,096	\$2,862,018	7,012
Medical and Dental Labs	23,489 x	2	46,978	\$2,396,818	23,489
Home Health Care	10,224 x	2	20,447	\$1,043,229	10,224
Hospices	651 x	2	1,302	\$66,428	651
Hemodialysis	391 x	2	782	\$39,898	391
Drug Rehabilitation	744 x	2	1,488	\$75,918	744
Government Clinics	10,893 x	2	21,786	\$1,111,522	10,893
Blood/Plasma/Tissue Centers	1,477 x	2	2,954	\$150,713	1,477
Residential Care	12,869 x	2	25,738	\$1,313,153	12,869
Personnel Services	1,348 x	2	2,696	\$137,550	1,348
Funeral Services	20,807 x	2	41,614	\$2,123,146	20,807
Health Units in Industry	202,540 x	2	405,080	\$20,667,182	202,540
Research Labs	1,453 x	2	2,906	\$148,264	1,453
Linen Services	1,400 x	2	2,800	\$142,856	1,400
Medical Equipment Repair	1,076 x	2	2,152	\$109,795	1,076
Law Enforcement	7,696 x	2	15,392	\$785,300	7,696
Fire and Rescue	5,327 x	2	10,654	\$543,567	5,327
Correctional Facilities	4,438 x	2	8,876	\$452,854	4,438
Lifesaving	100 x	2	200	\$10,204	100
Schools	6,321 x	2	12,642	\$644,995	6,321
Waste Removal	50 x	2	100	\$5,102	50

**Totals**

**700,724**

**1,443,520**

**\$73,648,416**

**700,724**

Hours Item 12 Item 13 Responses  
 269,012 \$13,072,522 NA 323,879  
 Hepatitis B Vaccination (Employee Time)  
 Hours = # of workers x (% non-vaccinated) x employee participation rate x employee time x occupational turnover rate

TABLE 2

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.

Sector	Category	Sector/Category	Sector/Employment Category	Employees	% Non-Vaccinated	Employee Participation Rate	Employee Time (Hours)	Occupational Turnover Rate	Hours	Wage Rates	#12	Responses
Office of the Physicians		Office of the Physicians	Office of the Physicians									
Office of the I A		Office of the PhysiciansA	Category A	1,284,076 x	57% x	52% x	0.63 x	6.90%	16,545	\$55.72	\$921,887	26,262
Office of the I C		Office of the PhysiciansC	C	9,248 x	67% x	33% x	0.38 x	9.80%	76	\$19.02	\$1,446	200
Office of the I D		Office of the PhysiciansD	D	92,475 x	37% x	65% x	0.38 x	12.90%	1,090	\$25.39	\$27,675	2,868
Office of Dentists		Office of Dentists	Office of Dentists					0.00%				
Office of Deni A		Office of DentistsA	Category A	483,407 x	33% x	75% x	0.63 x	1.60%	1,206	\$55.72	\$67,198	1,914
Office of Deni C		Office of DentistsC	C	4,633 x	80% x	30% x	0.38 x	9.80%	41	\$19.02	\$780	108
Nursing Homes (75% employees on-site)		Nursing Homes (75% employees on-site)	Nursing Homes (75% employees on-site)					0.00%				
Nursing Hom A		Nursing Homes (75% employees on-site)A	Category A	496,395 x	57% x	50% x	0.63 x	24.80%	22,104	\$55.72	\$1,231,635	35,086
Nursing Hom C		Nursing Homes (75% employees on-site)C	C	32,026 x	67% x	50% x	0.38 x	9.80%	400	\$19.02	\$7,608	1,053
Nursing Hom D		Nursing Homes (75% employees on-site)D	D	5,338 x	37% x	50% x	0.38 x	9.80%	37	\$25.39	\$939	97
Nursing Homes (25% employees off-site)		Nursing Homes (25% employees off-site)	Nursing Homes (25% employees off-site)					0.00%				
Nursing Hom A		Nursing Homes (25% employees off-site)A	Category A	165,465 x	57% x	50% x	1.92 x	24.80%	22,455	\$55.72	\$1,251,193	11,695
Nursing Hom C		Nursing Homes (25% employees off-site)C	C	10,675 x	67% x	50% x	1.67 x	9.80%	585	\$19.02	\$11,127	350
Nursing Hom D		Nursing Homes (25% employees off-site)D	D	1,779 x	37% x	50% x	1.67 x	9.80%	54	\$25.39	\$1,371	32
Hospitals		Hospitals	Hospitals					0.00%				
Hospitals A		HospitalsA	Category A	2,399,365 x	54% x	57% x	0.63 x	14.70%	68,395	\$55.72	\$3,810,969	108,563
Hospitals B		HospitalsB	B	205,009 x	54% x	57% x	0.63 x	12.90%	5,128	\$29.36	\$150,558	8,140
Hospitals C		HospitalsC	C	318,903 x	69% x	44% x	0.38 x	9.80%	3,606	\$19.02	\$68,586	9,489
Medical and Dental Labs		Medical and Dental Labs	Medical and Dental Labs					0.00%				
Medical and I A		Medical and Dental LabsA	Category A	276,866 x	58% x	64% x	0.63 x	12.90%	8,352	\$55.72	\$465,373	13,257
Medical and I C		Medical and Dental LabsC	C	2,132 x	88% x	30% x	0.38 x	9.80%	21	\$19.02	\$399	55
Medical and I D		Medical and Dental LabsD	D	240,392 x	100% x	30% x	0.38 x	9.80%	2,686	\$25.39	\$68,198	7,068
Home Health		Home Health	Home Health					0.00%				
Home Health A		Home HealthA	Category A	306,068 x	77% x	38% x	0.63 x	22.30%	12,582	\$55.72	\$701,069	19,971
Home Health C		Home HealthC	C	4,524 x	100% x	30% x	0.38 x	9.80%	51	\$19.02	\$970	134
Home Health D		Home HealthD	D	9,501 x	88% x	82% x	0.38 x	22.50%	586	\$25.39	\$14,879	1,542
Hospices		Hospices	Hospices					0.00%				
Hospices A		HospicesA	Category A	10,565 x	77% x	46% x	0.63 x	22.50%	530	\$55.72	\$29,532	841
Hospices C		HospicesC	C	154 x	37% x	50% x	0.38 x	9.80%	1	\$19.02	\$19	3
Hospices D		HospicesD	D	27 x	100% x	30% x	0.38 x	22.50%	1	\$25.39	\$25	3
Hemodialysis		Hemodialysis	Hemodialysis					0.00%				
Hemodialysis A		HemodialysisA	Category A	4,964 x	33% x	77% x	0.63 x	15.40%	122	\$55.72	\$6,798	194
Hemodialysis C		HemodialysisC	C	87 x	69% x	54% x	0.38 x	22.50%	3	\$19.02	\$57	8
Hemodialysis D		HemodialysisD	D	230 x	48% x	60% x	0.38 x	12.90%	3	\$25.39	\$76	8
Drug Rehabilitation		Drug Rehabilitation	Drug Rehabilitation					0.00%				
Drug Rehabil A		Drug RehabilitationA	Category A	6,067 x	49% x	56% x	0.63 x	15.40%	162	\$55.72	\$9,027	257
Drug Rehabil C		Drug RehabilitationC	C	149 x	35% x	100% x	0.38 x	22.50%	4	\$19.02	\$76	11
Drug Rehabil D		Drug RehabilitationD	D	506 x	100% x	30% x	0.38 x	12.90%	7	\$25.39	\$178	18
Government Clinics		Government Clinics	Government Clinics					0.00%				
Government i A		Government ClinicsA	Category A	52,156 x	57% x	52% x	0.63 x	13.50%	1,315	\$55.72	\$73,272	2,087
Government i C		Government ClinicsC	C	381 x	67% x	33% x	0.38 x	9.80%	3	\$19.02	\$57	8
Government i D		Government ClinicsD	D	3,808 x	37% x	65% x	0.38 x	12.90%	45	\$25.39	\$1,143	118
Blood/Plasma/Tissue Centers		Blood/Plasma/Tissue Centers	Blood/Plasma/Tissue Centers					0.00%				
Blood/Plasma A		Blood/Plasma/Tissue CentersA	Category A	36,820 x	60% x	42% x	0.63 x	12.90%	754	\$55.72	\$42,013	1,197
Blood/Plasma C		Blood/Plasma/Tissue CentersC	C	405 x	80% x	30% x	0.38 x	9.80%	4	\$19.02	\$76	11
Blood/Plasma D		Blood/Plasma/Tissue CentersD	D	789 x	51% x	44% x	0.38 x	22.50%	15	\$25.39	\$381	39
Residential Care (75% employees on-site)		Residential Care (75% employees on-site)	Residential Care (75% employees on-site)					0.00%				
Residential C A		Residential Care (75% employees on-site)A	Category A	53,569 x	73% x	50% x	0.63 x	24.30%	2,993	\$55.72	\$166,770	4,751
Residential C C		Residential Care (75% employees on-site)C	C	1,479 x	100% x	50% x	0.38 x	9.80%	28	\$19.02	\$533	74
Residential C D		Residential Care (75% employees on-site)D	D	8,778 x	42% x	50% x	0.38 x	9.80%	69	\$25.39	\$1,752	182
Residential Care (25% employees off-site)		Residential Care (25% employees off-site)	Residential Care (25% employees off-site)					0.00%				
Residential C A		Residential Care (25% employees off-site)A	Category A	17,856 x	73% x	50% x	1.92 x	24.30%	3,041	\$55.72	\$169,445	1,584
Residential C C		Residential Care (25% employees off-site)C	C	493 x	100% x	50% x	1.67 x	9.80%	40	\$19.02	\$761	24
Residential C D		Residential Care (25% employees off-site)D	D	2,926 x	42% x	50% x	1.67 x	9.80%	101	\$25.39	\$2,564	60
Personal Services		Personal Services	Personal Services					0.00%				
Personnel Se A		Personnel ServicesA	Category A	61,387 x	88% x	30% x	1.92 x	8.70%	2,707	\$55.72	\$150,834	1,410
Personnel Se D		Personnel ServicesD	D	102,090 x	100% x	30% x	1.67 x	9.80%	5,012	\$25.39	\$127,255	3,001
Funeral Services		Funeral Services	Funeral Services					0.00%				
Funeral Servi A		Funeral ServicesA	Category A	53,408 x	65% x	49% x	1.92 x	12.90%	4,213	\$55.72	\$234,748	2,194
Funeral Servi C		Funeral ServicesC	C	2,846 x	100% x	50% x	1.67 x	9.80%	233	\$19.02	\$4,432	140
Funeral Servi D		Funeral ServicesD	D	3,387 x	100% x	30% x	1.67 x	9.80%	166	\$25.39	\$4,215	99
Health Units in Industry		Health Units in Industry	Health Units in Industry					0.00%				
Health Units i A		Health Units in IndustryA	Category A	34,184 x	70% x	43% x	1.92 x	19.50%	3,852	\$55.72	\$214,633	2,006







4-1	Item 12	Item 13	Responses
Hours	39,651	2,022,994	2,623,678 477,725
4-2	Item 12	Item 13	Responses
Hours	5,310	\$245,341	\$1,201,382 63,974

HIV Source Testing Health Care Professional Time  
Hours = # of exposures x source participation rate + 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

Table 4 - 1

Sector	Exposures	Source Participation Rate	Hours/HIV Antibody Test Cost	Hours	Confirmatory Test	Hours	#12	#13	Responses
Offices of Physicians	179,493	50%	0.083	7,449		\$380,048			89,747
Offices of Dentists	322,560	50%	0.083	13,386		\$682,954			161,277
Nursing Homes	45,384	50%	0.083	1,883		\$96,071			22,687
Hospitals	319,827	50%	0.083	13,273		\$677,188			159,916
Medical and Dental Labs	5,664	50%	0.083	235		\$11,990			2,831
Home Health Care	8,919	50%	0.083	366		\$18,673			4,410
Hospices	856	50%	0.083	37		\$1,888			446
Hemodialysis	5,302	50%	0.083	220		\$11,224			2,651
Drug Rehabilitation	283	50%	0.083	12		\$612			145
Government Clinics	16,013	50%	0.083	665		\$33,328			8,012
Blood/Plasma/Tissue Centers	6,789	50%	0.083	282		\$14,388			3,398
Residential Care	7,809	50%	0.083	324		\$16,530			3,904
Personal Services	2,993	50%	\$20				\$33,522		
Funeral Services	11,735	50%	\$20				\$131,432		
Health Units in Industry	186,835	50%	\$20				\$2,092,552		
Research Labs	494	50%	\$20				\$5,533		
Linens Services	3,000	50%	\$20				\$33,600		
Medical Equipment Repair	2,625	50%	\$20				\$29,400		
Law Enforcement	27,411	50%	0.083	1,138		\$58,061			13,711
Fire and Rescue	13,426	50%	\$20				\$150,371		
Correctional Facilities	9,173	50%	\$20				\$81,189		
Lifecare	457	50%	\$20				\$5,118		
Schools	12,642	50%	\$20				\$141,690		
Waste Removal	50	50%	\$20				\$960		
	1,189,683	50%		39,651	\$2,022,994	\$2,623,678			477,725

HBV Source Testing

(Health Professional Time)  
Hours = # exposures x [(% vaccinated x employee participation rate x non-response rate of vaccine x source acceptance rate) + ((1 - % vaccinated) \* source acceptance rate)]  
\* health professional time \* (1 - compliance rate)  
Hours = # exposures x [(% vaccinated x employee participation rate x non-response rate of vaccine x source acceptance rate) + ((1 - % vaccinated) \* source acceptance rate)]  
\* cost of antigen \* (1 - compliance rate)  
Assumptions:  
- 10% of vaccinated employees will request tests.  
- Non-response rate of vaccination is 4%  
- 50% of sources will agree to be tested for the 4% of employees found to be non-responders.  
- 50% of sources will agree to be tested in cases where non-vaccinated workers are exposed  
- Health professional time is equivalent to 1/2 the time required to administer the HBV vaccination  
cost of antigen test = \$30.00

Table 4-2

Office of Physicians	Office of Physicians	Exposures	% Vaccinated	Employee Participation Rate	Non-response Rate	Source Acceptance Rate	One	% Vaccinated	Source Acceptance Rate	Health Professional Time	One	Compliance Rate	Wage	HOURS	Cost #12	Cost # 13	RESPONSES
Office of the PhysiciansA	Category A	179,493	x(( 73%	10%	4%	50% )+(( - - 1 73%	50% ))x 0.083 x ( 1 - 22%	55.72	1,586	\$88,372	19,108	0	\$0	0	0	0	
Office of the PhysiciansC	C	0	x(( 55%	10%	4%	50% )+(( - - 1 55%	50% ))x 0.083 x ( 1 - 22%	19.02	0	\$0	0	0	\$0	0	0	0	
Office of the PhysiciansD	D	0	x(( 87%	10%	4%	50% )+(( - - 1 87%	50% ))x 0.083 x ( 1 - 22%	25.39	0	\$0	0	0	\$0	0	0	0	
Office of Dentists	Office of Dentists	279,485	x(( 92%	10%	4%	50% )+(( - - 1 92%	50% ))x 0.083 x ( 1 - 5%	55.72	922	\$51,374	11,108	11,108	0	0	0	0	
Office of DentistsA	Category A	43,075	x(( 44%	10%	4%	50% )+(( - - 1 44%	50% ))x 0.083 x ( 1 - 5%	19.02	954	\$18,145	11,494	11,494	0	0	0	0	
Nursing Homes	Nursing Homes	35,746	x(( 38%	10%	4%	50% )+(( - - 1 38%	50% ))x 0.083 x ( 1 - 34%	55.72	609	\$33,933	7,337	7,337	0	0	0	0	
Nursing HomesA	Category A	5,002	x(( 31%	10%	4%	50% )+(( - - 1 31%	50% ))x 0.083 x ( 1 - 34%	19.02	95	\$1,807	1,145	1,145	0	0	0	0	
Nursing HomesC	C	4,636	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x 0.083 x ( 1 - 34%	25.39	89	\$2,260	1,072	1,072	0	0	0	0	
Hospitals	Hospitals	254,449	[ ( 77%	10%	4%	50% )+(( - - 1 77%	50% ))x 0.083 x ( 1 - 83%	55.72	418	\$23,291	5,036	5,036	0	0	0	0	
HospitalA	B	34,579	x(( 77%	10%	4%	50% )+(( - - 1 72%	50% ))x 0.083 x ( 1 - 83%	29.26	69	\$2,026	831	831	0	0	0	0	
HospitalC	C	30,759	x(( 62%	10%	4%	50% )+(( - - 1 62%	50% ))x 0.083 x ( 1 - 83%	19.02	83	\$1,978	1,000	1,000	0	0	0	0	
Medical and Dental Labs	Medical and Dental Labs	5,177	x(( 79%	10%	4%	50% )+(( - - 1 79%	50% ))x 0.083 x ( 1 - 69%	55.72	14	\$780	169	169	0	0	0	0	
Medical and Dental LabsA	Category A	0	x(( 38%	10%	4%	50% )+(( - - 1 38%	50% ))x 0.083 x ( 1 - 69%	19.02	0	\$0	0	0	0	0	0	0	
Medical and Dental LabsC	C	487	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x 0.083 x ( 1 - 69%	25.39	4	\$102	48	48	0	0	0	0	
Medical and Dental LabsD	D	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x 0.083 x ( 1 - 69%	25.39	4	\$102	48	48	0	0	0	0	
Home Health	Home HealthA	6,244	x(( 52%	10%	4%	50% )+(( - - 1 52%	50% ))x 0.083 x ( 1 - 32%	55.72	85	\$4,736	1,024	1,024	0	0	0	0	
Home HealthC	C	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x 0.083 x ( 1 - 32%	19.02	0	\$0	0	0	0	0	0	0	
Home HealthD	D	2,575	x(( 84%	10%	4%	50% )+(( - - 1 84%	50% ))x 0.083 x ( 1 - 32%	25.39	12	\$305	145	145	0	0	0	0	
Hospices	Hospices	684	x(( 58%	10%	4%	50% )+(( - - 1 58%	50% ))x 0.083 x ( 1 - 42%	55.72	7	\$390	84	84	0	0	0	0	
HospiceA	C	0	x(( 82%	10%	4%	50% )+(( - - 1 82%	50% ))x 0.083 x ( 1 - 42%	19.02	0	\$0	0	0	0	0	0	0	
HospiceD	D	215	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x 0.083 x ( 1 - 42%	25.39	4	\$102	48	48	0	0	0	0	
Hemodialysis	Hemodialysis	4,684	x(( 92%	10%	4%	50% )+(( - - 1 92%	50% ))x 0.083 x ( 1 - 96%	55.72	1	\$56	12	12	0	0	0	0	
HemodialysisA	Category A	0	x(( 68%	10%	4%	50% )+(( - - 1 68%	50% ))x 0.083 x ( 1 - 96%	19.02	0	\$0	0	0	0	0	0	0	
HemodialysisC	C	477	x(( 81%	10%	4%	50% )+(( - - 1 81%	50% ))x 0.083 x ( 1 - 96%	25.39	0	\$0	0	0	0	0	0	0	
HemodialysisD	D	141	x(( 78%	10%	4%	50% )+(( - - 1 78%	50% ))x 0.083 x ( 1 - 82%	55.72	0	\$0	0	0	0	0	0	0	
Drug Rehabilitation	Drug Rehabilitation	283	x(( 100%	10%	4%	50% )+(( - - 1 100%	50% ))x 0.083 x ( 1 - 82%	19.02	0	\$0	0	0	0	0	0	0	
Drug RehabilitationA	Category A	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x 0.083 x ( 1 - 82%	25.39	0	\$0	0	0	0	0	0	0	
Drug RehabilitationC	C	0	x(( 73%	10%	4%	50% )+(( - - 1 73%	50% ))x 0.083 x ( 1 - 82%	25.39	0	\$0	0	0	0	0	0	0	
Drug RehabilitationD	D	0	x(( 73%	10%	4%	50% )+(( - - 1 73%	50% ))x 0.083 x ( 1 - 82%	25.39	0	\$0	0	0	0	0	0	0	
Government Clinics	Government Clinics	16,013	x(( 73%	10%	4%	50% )+(( - - 1 73%	50% ))x 0.083 x ( 1 - 22%	55.72	141	\$7,857	16,999	16,999	0	0	0	0	
Government ClinicsA	Category A	0	x(( 55%	10%	4%	50% )+(( - - 1 55%	50% ))x 0.083 x ( 1 - 22%	19.02	0	\$0	0	0	0	0	0	0	
Government ClinicsC	C	0	x(( 87%	10%	4%	50% )+(( - - 1 87%	50% ))x 0.083 x ( 1 - 22%	25.39	0	\$0	0	0	0	0	0	0	
Government ClinicsD	D	0	x(( 87%	10%	4%	50% )+(( - - 1 87%	50% ))x 0.083 x ( 1 - 22%	25.39	0	\$0	0	0	0	0	0	0	
Blood/Plasma/Tissue Centers	Blood/Plasma/Tissue Centers	6,453	x(( 65%	10%	4%	50% )+(( - - 1 65%	50% ))x 0.083 x ( 1 - 100%	55.72	0	\$0	0	0	0	0	0	0	
Blood/Plasma/Tissue CentersA	Category A	139	x(( 44%	10%	4%	50% )+(( - - 1 44%	50% ))x 0.083 x ( 1 - 100%	19.02	0	\$0	0	0	0	0	0	0	
Blood/Plasma/Tissue CentersC	C	197	x(( 71%	10%	4%	50% )+(( - - 1 71%	50% ))x 0.083 x ( 1 - 100%	25.39	0	\$0	0	0	0	0	0	0	
Blood/Plasma/Tissue CentersD	D	0	x(( 71%	10%	4%	50% )+(( - - 1 71%	50% ))x 0.083 x ( 1 - 100%	25.39	0	\$0	0	0	0	0	0	0	
Residential Care	Residential Care	4,850	x(( 64%	10%	4%	50% )+(( - - 1 64%	50% ))x 0.083 x ( 1 - 85%	55.72	11	\$613	133	133	0	0	0	0	
Residential CareA	Category A	388	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x 0.083 x ( 1 - 85%	19.02	2	\$38	24	24	0	0	0	0	
Residential CareB	B	2,511	x(( 73%	10%	4%	50% )+(( - - 1 73%	50% ))x 0.083 x ( 1 - 85%	25.39	4	\$102	48	48	0	0	0	0	
Residential CareD	D	0	x(( 73%	10%	4%	50% )+(( - - 1 73%	50% ))x 0.083 x ( 1 - 85%	25.39	4	\$102	48	48	0	0	0	0	
Personal Services	Personal Services	2,993	x(( 38%	10%	4%	50% )+(( - - 1 38%	50% ))x \$30.00 x ( 1 - 61%	55.72	0	\$0	0	0	0	0	0	0	
Personal ServicesA	Category A	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x \$30.00 x ( 1 - 0%	25.39	0	\$0	0	0	0	0	0	0	
Personal ServicesD	D	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x \$30.00 x ( 1 - 0%	25.39	0	\$0	0	0	0	0	0	0	
Funeral Services	Funeral Services	11,735	x(( 67%	10%	4%	50% )+(( - - 1 67%	50% ))x \$30.00 x ( 1 - 13%	55.72	0	\$0	0	0	0	0	0	0	
Funeral ServicesA	Category A	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x \$30.00 x ( 1 - 13%	19.02	0	\$0	0	0	0	0	0	0	
Funeral ServicesC	C	0	x(( 64%	10%	4%	50% )+(( - - 1 64%	50% ))x \$30.00 x ( 1 - 13%	25.39	0	\$0	0	0	0	0	0	0	
Funeral ServicesD	D	0	x(( 64%	10%	4%	50% )+(( - - 1 64%	50% ))x \$30.00 x ( 1 - 13%	25.39	0	\$0	0	0	0	0	0	0	
Health Units in Industry	Health Units in Industry	186,835	x(( 60%	10%	4%	50% )+(( - - 1 60%	50% ))x \$30.00 x ( 1 - 14%	55.72	0	\$0	0	0	0	0	0	0	
Health Units in IndustryA	Category A	0	x(( 42%	10%	4%	50% )+(( - - 1 42%	50% ))x \$30.00 x ( 1 - 14%	29.26	0	\$0	0	0	0	0	0	0	
Health Units in IndustryB	B	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x \$30.00 x ( 1 - 14%	19.02	0	\$0	0	0	0	0	0	0	
Health Units in IndustryD	D	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x \$30.00 x ( 1 - 14%	19.02	0	\$0	0	0	0	0	0	0	
Research Labs	Research Labs	494	x(( 81%	10%	4%	50% )+(( - - 1 81%	50% ))x \$30.00 x ( 1 - 30%	55.72	0	\$0	0	0	0	0	0	0	
Research LabA	Category A	0	x(( 42%	10%	4%	50% )+(( - - 1 42%	50% ))x \$30.00 x ( 1 - 30%	19.02	0	\$0	0	0	0	0	0	0	
Research LabC	C	0	x(( 81%	10%	4%	50% )+(( - - 1 81%	50% ))x \$30.00 x ( 1 - 30%	25.39	0	\$0	0	0	0	0	0	0	
Research LabD	D	0	x(( 81%	10%	4%	50% )+(( - - 1 81%	50% ))x \$30.00 x ( 1 - 30%	25.39	0	\$0	0	0	0	0	0	0	
Linens Service	Linens Service	3,000	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x \$30.00 x ( 1 - 90%	55.72	0	\$0	0	0	0	0	0	0	
Linens ServiceA	Category A	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x \$30.00 x ( 1 - 90%	25.39	0	\$0	0	0	0	0	0	0	
Linens ServiceD	D	0	x(( 30%	10%	4%	50% )+(( - - 1 30%	50% ))x \$30.00 x ( 1 - 90%	25.39	0	\$0	0	0	0	0	0	0	



Hours	Item 12	Item 13	Responses
	11,402	\$616,494 NA	53,119

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.

Table 5

Sector	Exposures	% Vaccinated	Employee Time	Share of Vaccinated Employees Receiving Tests	One	Compliance Rate	Wage Rates	Burden Hours	Number 12	Responses
Office of the Physicians										
Category A	179,493 x	73% x	0.128 x	0.1 x (	1 -	27% ) =	\$55.72	1,224	\$68,201	9,563
C	0 x	55% x	0.128 x	0.1 x (	1 -	27% ) =	\$19.02	0	\$0	0
D	0 x	87% x	0.128 x	0.1 x (	1 -	27% ) =	\$25.39	0	\$0	0
Office of Dentists										
Category A	279,485 x	92% x	0.128 x	0.1 x (	1 -	19% ) =	\$55.72	2,666	\$148,550	20,828
C	43,075 x	44% x	0.128 x	0.1 x (	1 -	19% ) =	\$19.02	197	\$3,747	1,539
Nursing Homes										
Category A	35,746 x	38% x	0.128 x	0.1 x (	1 -	31% ) =	\$55.72	120	\$6,686	938
C	5,002 x	31% x	0.128 x	0.1 x (	1 -	31% ) =	\$19.02	14	\$266	109
D	4,636 x	30% x	0.128 x	0.1 x (	1 -	31% ) =	\$25.39	12	\$305	94
Hospitals										
Category A	254,449 x	77% x	0.128 x	0.1 x (	1 -	76% ) =	\$55.72	602	\$33,543	4,703
B	34,579 x	77% x	0.128 x	0.1 x (	1 -	76% ) =	\$29.36	82	\$2,408	641
C	30,799 x	62% x	0.128 x	0.1 x (	1 -	76% ) =	\$19.02	59	\$1,122	461
Medical and Dental Labs										
Category A	5,177 x	79% x	0.128 x	0.1 x (	1 -	86% ) =	\$55.72	7	\$390	55
C	0 x	38% x	0.128 x	0.1 x (	1 -	86% ) =	\$19.02	0	\$0	0
D	487 x	30% x	0.128 x	0.1 x (	1 -	86% ) =	\$25.39	0	\$0	0
Home Health										
Category A	6,244 x	52% x	0.128 x	0.1 x (	1 -	67% ) =	\$55.72	14	\$780	109
C	0 x	30% x	0.128 x	0.1 x (	1 -	67% ) =	\$19.02	0	\$0	0
D	2,575 x	84% x	0.128 x	0.1 x (	1 -	67% ) =	\$25.39	9	\$229	70
Hospices										
Category A	684 x	58% x	0.128 x	0.1 x (	1 -	60% ) =	\$55.72	2	\$111	16
C	0 x	82% x	0.128 x	0.1 x (	1 -	60% ) =	\$19.02	0	\$0	0
D	215 x	30% x	0.128 x	0.1 x (	1 -	60% ) =	\$25.39	0	\$0	0
Hemodialysis										
Category A	4,684 x	92% x	0.128 x	0.1 x (	1 -	93% ) =	\$55.72	4	\$223	31
C	477 x	68% x	0.128 x	0.1 x (	1 -	93% ) =	\$19.02	0	\$0	0
D	141 x	81% x	0.128 x	0.1 x (	1 -	93% ) =	\$25.39	0	\$0	0

Drug Rehabilitation

Category A	283 x	78% x	0.128 x	0.1 x (	1 -	77% ) =	\$55.72	1	\$56	8
C	0 x	100% x	0.128 x	0.1 x (	1 -	77% ) =	\$19.02	0	\$0	0
D	0 x	30% x	0.128 x	0.1 x (	1 -	77% ) =	\$25.39	0	\$0	0

Government Clinics

Category A	16,013 x	73% x	0.128 x	0.1 x (	1 -	27% ) =	\$55.72	109	\$6,073	852
C	0 x	55% x	0.128 x	0.1 x (	1 -	27% ) =	\$19.02	0	\$0	0
D	0 x	87% x	0.128 x	0.1 x (	1 -	27% ) =	\$25.39	0	\$0	0

Blood/Plasma/Tissue Centers

Category A	6,453 x	65% x	0.128 x	0.1 x (	1 -	66% ) =	\$55.72	18	\$1,003	141
C	139 x	44% x	0.128 x	0.1 x (	1 -	66% ) =	\$19.02	0	\$0	0
D	197 x	71% x	0.128 x	0.1 x (	1 -	66% ) =	\$25.39	1	\$25	8

Residential Care

Category A	4,850 x	64% x	0.128 x	0.1 x (	1 -	39% ) =	\$55.72	24	\$1,337	188
C	388 x	30% x	0.128 x	0.1 x (	1 -	39% ) =	\$19.02	1	\$19	8
D	2,571 x	73% x	0.128 x	0.1 x (	1 -	39% ) =	\$25.39	15	\$381	117

Personnel Services

Category A	2,993 x	38% x	0.5 x	0.1 x (	1 -	83% ) =	\$55.72	10	\$557	20
D	0 x	30% x	0.5 x	0.1 x (	1 -	0% ) =	\$25.39	0	\$0	0

Funeral Services

Category A	11,735 x	67% x	0.5 x	0.1 x (	1 -	31% ) =	\$55.72	271	\$15,100	542
C	0 x	30% x	0.5 x	0.1 x (	1 -	31% ) =	\$19.02	0	\$0	0
D	0 x	64% x	0.5 x	0.1 x (	1 -	31% ) =	\$25.39	0	\$0	0

Health Units in Industry

Category A	186,835 x	60% x	0.5 x	0.1 x (	1 -	2% ) =	\$55.72	5,493	\$306,070	10,986
B	0 x	42% x	0.5 x	0.1 x (	1 -	2% ) =	\$29.36	0	\$0	0
D	0 x	30% x	0.5 x	0.1 x (	1 -	2% ) =	\$25.39	0	\$0	0

Research Labs

Category A	494 x	81% x	0.5 x	0.1 x (	1 -	70% ) =	\$55.72	6	\$334	12
C	0 x	45% x	0.5 x	0.1 x (	1 -	70% ) =	\$19.02	0	\$0	0
D	0 x	81% x	0.5 x	0.1 x (	1 -	70% ) =	\$25.39	0	\$0	0

Linen Service

D	3,000 x	30% x	0.5 x	0.1 x (	1 -	90% ) =	\$25.39	5	\$127	10
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Medical Equipment Repair

Category A	0 x	41% x	0.5 x	0.1 x (	1 -	26% ) =	\$55.72	0	\$0	0
B	0 x	37% x	0.5 x	0.1 x (	1 -	26% ) =	\$29.36	0	\$0	0
C	161 x	36% x	0.5 x	0.1 x (	1 -	26% ) =	\$19.02	2	\$38	4
D	2,464 x	30% x	0.5 x	0.1 x (	1 -	26% ) =	\$25.39	27	\$686	54

Law Enforcement

Category A	18,993 x	42% x	0.128 x	0.1 x (	1 -	96% ) =	\$55.72	4	\$223	31
B	2,770 x	92% x	0.128 x	0.1 x (	1 -	96% ) =	\$29.36	1	\$29	8
C	1,444 x	31% x	0.128 x	0.1 x (	1 -	96% ) =	\$19.02	0	\$0	0
D	4,204 x	46% x	0.128 x	0.1 x (	1 -	96% ) =	\$25.39	1	\$25	8

Fire and Rescue										
Category A	10,411 x	89% x	0.5 x	0.1 x (	1 -	71% ) =	\$55.72	134	\$7,466	268
B	857 x	86% x	0.5 x	0.1 x (	1 -	71% ) =	\$29.36	11	\$323	22
D	2,158 x	92% x	0.5 x	0.1 x (	1 -	71% ) =	\$25.39	29	\$736	58
Correctional Facilities										
Category A	3,034 x	54% x	0.128 x	0.1 x (	1 -	39% ) =	\$55.72	13	\$724	102
B	1,887 x	32% x	0.128 x	0.1 x (	1 -	39% ) =	\$29.36	5	\$147	39
C	459 x	30% x	0.128 x	0.1 x (	1 -	39% ) =	\$19.02	1	\$19	8
D	3,793 x	31% x	0.128 x	0.1 x (	1 -	39% ) =	\$25.39	9	\$229	70
Lifesaving										
Category A	457 x	76% x	0.5 x	0.1 x (	1 -	50% ) =	\$55.72	9	\$501	18
Schools										
Category A	6,321 x	30% x	0.5 x	0.1 x (	1 -	0% ) =	\$55.72	95	\$5,293	190
D	6,321 x	30% x	0.5 x	0.1 x (	1 -	0% ) =	\$25.39	95	\$2,412	190
Waste Removal										
Category A	50 x	30% x	0.5 x	0.1 x (	1 -	50% ) =	\$55.72	0	\$0	0
<b>Total</b>								<b>11,402</b>	<b>\$616,494</b>	<b>53,119</b>







Category A	18,993	1 -	42%	0.128	50%	0.42% +	50%	5%	1 -	96%	55.72	2	\$111	16
B	2,770	1 -	92%	0.128	50%	0.42% +	50%	5%	1 -	96%	29.36	0	\$0	0
C	1,444	1 -	31%	0.128	50%	0.42% +	50%	5%	1 -	96%	19.02	0	\$0	0
D	4,204	1 -	46%	0.128	50%	0.42% +	50%	5%	1 -	96%	25.39	0	\$0	0
Fire and Rescue														
Category A	10,411	1 -	89%	0.500	50%	0.42% +	50%	5%	1 -	71%	55.72	5	\$279	10
B	857	1 -	86%	0.500	50%	0.42% +	50%	5%	1 -	71%	29.36	0	\$0	0
D	2,158	1 -	92%	0.500	50%	0.42% +	50%	5%	1 -	71%	25.39	1	\$25	2
Correctional Facilities														
Category A	3,034	1 -	54%	0.128	50%	0.42% +	50%	5%	1 -	39%	55.72	3	\$167	23
B	1,887	1 -	32%	0.128	50%	0.42% +	50%	5%	1 -	39%	29.36	3	\$88	23
C	459	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	39%	19.02	1	\$19	8
D	3,793	1 -	31%	0.128	50%	0.42% +	50%	5%	1 -	39%	25.39	6	\$152	47
Lifesaving														
Category A	457	1 -	78%	0.500	50%	0.42% +	50%	5%	1 -	50%	55.72	1	\$56	2
Schools														
Category A	6,321	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	0%	55.72	60	\$3,343	120
D	6,321	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	0%	25.39	60	\$1,523	120
Waste Removal														
Category A	50	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	50%	55.72	0	\$0	0
	1,189,683											1,617	\$83,592	5,775





Hours  
 Item 12 Item 13 Responses  
 12 \$422 NA 56  
 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.

Table 9

													Hours	Costs	Itel	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%	(1-25%)	75%		1.36	\$50.00		11.00	
C	0 x	55% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.00	\$0.00		0.00	
D	0 x	87% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.00	\$0.00		0.00	
Office of Dentists																	
Category A	279,485 x	92% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-11%)	89%		3.18	\$117.00		25.00	
C	43,075 x	44% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-11%)	89%		0.23	\$8.00		2.00	
Nursing Homes																	
Category A	35,746 x	38% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-35%)	65%		0.12	\$4.00		1.00	
C	5,002 x	31% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-35%)	65%		0.01	\$0.00		0.00	
D	4,636 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-35%)	65%		0.01	\$0.00		0.00	
Hospitals																	
Category A	254,449 x	77% x	10% x	4% x	0.128 x (	50% x	1.25% +	50% x	5%	(1-74%)	16%		0.50	\$18.00		4.00	
B	34,579 x	77% x	10% x	4% x	0.128 x (	50% x	1.25% +	50% x	5%	(1-74%)	16%		0.07	\$3.00		1.00	
C	30,799 x	62% x	10% x	4% x	0.128 x (	50% x	1.25% +	50% x	5%	(1-74%)	16%		0.05	\$2.00		0.00	
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%	(1-38%)	62%		0.04	\$1.00		0.00	
C	0 x	38% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-38%)	62%		0.00	\$0.00		0.00	
D	487 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-38%)	62%		0.00	\$0.00		0.00	
Home Health																	
Category A	6,244 x	52% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-61%)	39%		0.02	\$1.00		0.00	
C	0 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-61%)	39%		0.00	\$0.00		0.00	
D	2,575 x	84% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-61%)	39%		0.01	\$0.00		0.00	
Hospices																	
Category A	684 x	58% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%		0.00	\$0.00		0.00	
C	0 x	82% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%		0.00	\$0.00		0.00	
D	215 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%		0.00	\$0.00		0.00	
Hemodialysis																	
Category A	4684 x	92% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-72%)	28%		0.02	\$1.00		0.00	
C	477 x	68% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-72%)	28%		0.00	\$0.00		0.00	
D	141 x	81% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-72%)	28%		0.00	\$0.00		0.00	
Drug Rehabilitation																	
Category A	283 x	78% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-30%)	70%		0.00	\$0.00		0.00	
C	0 x	100% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-30%)	70%		0.00	\$0.00		0.00	
D	0 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-30%)	70%		0.00	\$0.00		0.00	
Government Clinics																	
Category A	16013 x	73% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.12	\$4.00		1.00	
C	0 x	55% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.00	\$0.00		0.00	
D	0 x	87% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.00	\$0.00		0.00	
Food/Plasma/Tissue Centers																	
Category A	6453 x	65% x	10% x	4% x	0.128 x (	50% x	0.10% +	50% x	5%	(1-58%)	42%		0.02	\$1.00		0.00	
C	139 x	44% x	10% x	4% x	0.128 x (	50% x	0.10% +	50% x	5%	(1-58%)	42%		0.00	\$0.00		0.00	
D	197 x	71% x	10% x	4% x	0.128 x (	50% x	0.10% +	50% x	5%	(1-58%)	42%		0.00	\$0.00		0.00	
Residential Care																	
Category A	4850 x	64% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-34%)	66%		0.03	\$1.00		0.00	
C	388 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-34%)	66%		0.00	\$0.00		0.00	
D	2571 x	73% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-34%)	66%		0.02	\$1.00		0.00	
Personnel Services																	
Category A	2993 x	38% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-80%)	20%		0.01	\$0.00		0.00	
D	0 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-0%)	100%		0.00	\$0.00		0.00	
Funeral Services																	
Category A	11735 x	67% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.34	\$13.00		1.00	
C	0 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.00	\$0.00		0.00	
D	0 x	64% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.00	\$0.00		0.00	
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%	(1-14%)	86%		5.23	\$192.00		10.00	
B	0 x	42% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-14%)	86%		0.00	\$0.00		0.00	
C	0 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-14%)	86%		0.00	\$0.00		0.00	
Research Labs																	
Category A	494 x	81% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.02	\$1.00		0.00	
C	0 x	42% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.00	\$0.00		0.00	
D	0 x	81% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.00	\$0.00		0.00	
Linen Service																	
D	3000 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-90%)	10%		0.00	\$0.00		0.00	
Medical Equipment Repair																	
Category A	0 x	41% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-26%)	74%		0.00	\$0.00		0.00	
B	0 x	37% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-26%)	74%		0.00	\$0.00		0.00	



Hours	Item 12	Item 13	Responses
	4	\$210	\$2,782
			48

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 participation rate x RSS + (% of sources refusing test x 5%)] x (1 - compliance)  
 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

Office of Physicians

Category	Hours	Item 12	Item 13	Responses	Wage	Hours	#12	#13	Responses									
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%	55.72	0.88	\$49	11	
C	0 x	55% x	10% x	4% x	0.083 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	25%	19.02	0.00	\$0	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%	25.39	0.00	\$0	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%	55.72	2.06	\$115	25	
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%	19.02	0.15	\$3	2	
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%	55.72	0.08	\$4	1	
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%	19.02	0.01	\$0	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%	25.39	0.01	\$0	0	
Hospitals																		
Category A	254,449 x	54% x	10% x	4% x	0.083 x [	50% x	1.25% +	50% x	5% ]	0.235 x(	1	-	74%	55.72	0.37	\$21	4	
B	34,579 x	54% x	10% x	4% x	0.083 x [	50% x	1.25% +	50% x	5% ]	0.235 x(	1	-	74%	29.36	0.05	\$1	1	
C	30,799 x	69% x	10% x	4% x	0.083 x [	50% x	1.25% +	50% x	5% ]	0.235 x(	1	-	74%	19.02	0.06	\$1	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%	55.72	0.02	\$1	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%	19.02	0.00	\$0	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%	25.39	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%	55.72	0.02	\$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%	19.02	0.00	\$0	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%	25.39	0.01	\$0	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%	55.72	0.00	\$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%	19.02	0.00	\$0	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%	25.39	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%	55.72	0.00	\$0	0	
Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)																		
Category A	477 x	69% x	10% x	4% x	0.083 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	72%	19.02	0.00	\$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%	25.39	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%	55.72	0.00	\$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%	19.02	0.00	\$0	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%	25.39	0.00	\$0	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%	55.72	0.06	\$3	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%	19.02	0.00	\$0	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%	25.39	0.00	\$0	0	
Blood/Plasma/Tissue Centers																		
Category A	6,453 x	60% x	10% x	4% x	0.083 x [	50% x	0.10% +	50% x	5% ]	0.235 x(	1	-	58%	55.72	0.01	\$1	0	
C	139 x	80% x	10% x	4% x	0.083 x [	50% x	0.10% +	50% x	5% ]	0.235 x(	1	-	58%	19.02	0.00	\$0	0	
D	197 x	51% x	10% x	4% x	0.083 x [	50% x	0.10% +	50% x	5% ]	0.235 x(	1	-	58%	25.39	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%	55.72	0.02	\$1	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%	19.02	0.00	\$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%	25.39	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%	55.72			\$12	
D	0 x	100% x	10% x	4% x	\$211 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	0%	25.39			\$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%	55.72			\$140	
C	0 x	100% x	10% x	4% x	\$211 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	20%	19.02			\$0	
D	0 x	63% x	10% x	4% x	\$211 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	20%	25.39			\$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%	55.72			\$2573	
B	0 x	83% x	10% x	4% x	\$211 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	14%	29.36			\$0	
C	0 x	100% x	10% x	4% x	\$211 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	14%	19.02			\$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%	55.72			\$5	
C	0 x	79% x	10% x	4% x	\$211 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	20%	19.02			\$0	
D	0 x	54% x	10% x	4% x	\$211 x [	50% x	0.42% +	50% x	5% ]	0.235 x(	1	-	20%	25.39			\$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%				\$7	

Medical Equipment Repair																	
Category A	0 x	84%	10% x	4% x	\$211	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	26%		\$0		
B	0 x	90	10% x	4% x	\$211	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	26%	29.36	\$0		
C	161 x	92%	10% x	4% x	\$211	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	26%	19.02	\$3		
D	2,464	100%	10% x	4% x	\$211	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	26%	25.39	\$42		
Law Enforcement																	
Category A	18,993 x	83% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	96%	55.72	0.01	\$1	0
B	2,770 x	47% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	96%	29.36	0.00	\$0	0
Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)																	
C	1,444 x	98% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	96%	19.02	0.00	\$0	0
D	4,204 x	77% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	96%	25.39	0.00	\$0	0
Fire and Rescue																	
Category A	10,411 x	34% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	71%	55.72	0.01	\$1	0
B	857 x	44% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	71%	29.36	0.00	\$0	0
D	2,158 x	31% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	71%	25.39	0.00	\$0	0
Correctional Facilities																	
Category A	3,034 x	79% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	39%	55.72	0.01	\$1	0
B	1,887 x	97% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	39%	29.36	0.01	\$0	0
C	459 x	90% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	39%	19.02	0.00	\$0	0
D	3,793 x	98% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	39%	25.39	0.02	\$1	0
Livesaving																	
Category A	457 x	75% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	50%	55.72	0.00	\$0	0
Schools																	
Category A	6,321	100% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	0%	55.72	0.06	\$3	1
D	6,321	100% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	0%	25.39	0.06	\$2	1
Waste Removal																	
Category A	50	100% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5% ]]	0.235 x(	1	-	50%	55.72	0.00	\$0	0
											TOTAL	4		\$210	\$2782	48	
1,189,623																	



Hours Item 12 Item 13 Responses  
 65 \$3,315 \$99,018 792

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 [(source participation rate x RSS) + (% of sources refusing test x 5%)] x (1-compliance rate)

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 administer HBV vaccination.
- \*Source will agree to be tested in 50% of exposure incidents.
- \*COST of HBIG = \$211.

												HOURS #12	#13	Responses
Office of the Physicians														
Category A	179,493 *	1 -	73%	22%	0.08 * [(	50%	0.42%	50%	5%	1	25% =	18	\$918	217
C	0 *	1 -	55%	22%	0.08 * [(	50%	0.42%	50%	5%	1	25% =	0	\$0	0
D	0 *	1 -	87%	22%	0.08 * [(	50%	0.42%	50%	5%	1	25% =	0	\$0	0
Office of Dentists														
Category A	279,485 *	1 -	92%	22%	0.08 * [(	50%	0.42%	50%	5%	1	11% =	10	\$510	119
C	43,075 *	1 -	44%	22%	0.08 * [(	50%	0.42%	50%	5%	1	11% =	11	\$561	128
Nursing Homes														
Category A	35,746 *	1 -	38%	22%	0.08 * [(	50%	0.42%	50%	5%	1	35% =	7	\$357	86
C	5,002 *	1 -	31%	22%	0.08 * [(	50%	0.42%	50%	5%	1	35% =	1	\$51	13
D	4,636 *	1 -	30%	22%	0.08 * [(	50%	0.42%	50%	5%	1	35% =	1	\$51	13
Hospitals														
Category A	254,449 *	1 -	77%	22%	0.08 * [(	50%	1.25%	50%	5%	1	74% =	9	\$459	105
B	34,579 *	1 -	77%	22%	0.08 * [(	50%	1.25%	50%	5%	1	74% =	1	\$51	14
C	30,799 *	1 -	62%	22%	0.08 * [(	50%	1.25%	50%	5%	1	74% =	2	\$102	21
Medical and Dental Labs														
Category A	5,177 *	1 -	79%	22%	0.08 * [(	50%	0.42%	50%	5%	1	38% =	0	\$0	4
C	0 *	1 -	38%	22%	0.08 * [(	50%	0.42%	50%	5%	1	38% =	0	\$0	0
D	487 *	1 -	30%	22%	0.08 * [(	50%	0.42%	50%	5%	1	38% =	0	\$0	1
Home Health Care														
Category A	6,244 *	1 -	52%	22%	0.08 * [(	50%	0.42%	50%	5%	1	61% =	1	\$51	7
C	0 *	1 -	30%	22%	0.08 * [(	50%	0.42%	50%	5%	1	61% =	0	\$0	0
D	2,575 *	1 -	84%	22%	0.08 * [(	50%	0.42%	50%	5%	1	61% =	0	\$0	1
Hospices														
Category A	684 *	1 -	58%	22%	0.08 * [(	50%	0.42%	50%	5%	1	39% =	0	\$0	1
C	0 *	1 -	82%	22%	0.08 * [(	50%	0.42%	50%	5%	1	39% =	0	\$0	0
D	215 *	1 -	30%	22%	0.08 * [(	50%	0.42%	50%	5%	1	39% =	0	\$0	1
Hemodialysis														
Category A	4,684 *	1 -	92%	22%	0.08 * [(	50%	0.42%	50%	5%	1	72% =	0	\$0	1
C	477 *	1 -	68%	22%	0.08 * [(	50%	0.42%	50%	5%	1	72% =	0	\$0	0
D	141 *	1 -	81%	22%	0.08 * [(	50%	0.42%	50%	5%	1	72% =	0	\$0	0
Drug Rehabilitation														
Category A	283 *	1 -	78%	22%	0.08 * [(	50%	0.42%	50%	5%	1	30% =	0	\$0	0
C	0 *	1 -	100%	22%	0.08 * [(	50%	0.42%	50%	5%	1	30% =	0	\$0	0
D	0 *	1 -	30%	22%	0.08 * [(	50%	0.42%	50%	5%	1	30% =	0	\$0	0
Government Clinics														
Category A	16,013 *	1 -	73%	22%	0.08 * [(	50%	0.42%	50%	5%	1	25% =	2	\$102	19
C	0.00	1 -	55%	22%	0.08 * [(	50%	0.42%	50%	5%	1	25% =	0	\$0	0
D	0.00	1 -	87%	22%	0.08 * [(	50%	0.42%	50%	5%	1	25% =	0	\$0	0
Blood/Plasma/Tissue Centers														
Category A	6,453 *	1 -	65%	22%	0.08 * [(	50%	0.10%	50%	5%	1	58% =	0	\$0	5
C	139 *	1 -	44%	22%	0.08 * [(	50%	0.10%	50%	5%	1	58% =	0	\$0	0
D	197 *	1 -	71%	22%	0.08 * [(	50%	0.10%	50%	5%	1	58% =	0	\$0	0
Residential Care														
Category A	4,850 *	1 -	64%	22%	0.08 * [(	50%	0.42%	50%	5%	1	34% =	1	\$51	7
C	388 *	1 -	30%	22%	0.08 * [(	50%	0.42%	50%	5%	1	34% =	0	\$0	1
D	2,571 *	1 -	73%	22%	0.08 * [(	50%	0.42%	50%	5%	1	34% =	0	\$0	3
Personnel Services														
Category A	2,993 *	1 -	38%	22%	\$211 * [(	50%	0.42%	50%	5%	1	80% =		\$467	
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	
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	
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	
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	
Medical Equipment Repair														
Category A	0	1 -	41%	22%	\$211 * [(	50%	0.42%	50%	5%	1	26% =		\$0	
B	0	1 -	37%	22%	\$211 * [(	50%	0.42%	50%	5%	1	26% =		\$0	
C	161 *	1 -	36%	22%	\$211 * [(	50%	0.42%	50%	5%	1	26% =		\$96	
D	2,464 *	1 -	30%	22%	\$211 * [(	50%	0.42%	50%	5%	1	26% =		\$1,606	
Law Enforcement														
Category A	18,993 *	1 -	42%	22%	0.08 * [(	50%	0.42%	50%	5%	1	96% =	0	\$0	3
B	2,770 *	1 -	92%	22%	0.08 * [(	50%	0.42%	50%	5%	1	96% =	0	\$0	0
C	1,444 *	1 -	31%	22%	0.08 * [(	50%	0.42%	50%	5%	1	96% =	0	\$0	0
D	4,204 *	1 -	46%	22%	0.08 * [(	50%	0.42%	50%	5%	1	96% =	0	\$0	1
Fire and Rescue														
Category A	10,411 *	1 -	89%	22%	\$211 * [(	50%	0.42%	50%	5%	1	71% =		\$418	

B	857 *	1 -	86%	22%	\$211 * [(	50%	0.42%	50%	5%	1	71% =	\$44			
D	2,158 *	1 -	92%	22%	\$211 * [(	50%	0.42%	50%	5%	1	71% =	\$63			
Correctional Facilities															
Category A	3,034 *	1 -	54%	22%	0.08 * [(	50%	0.42%	50%	5%	1	39% =	0	\$0	5	
B	1,887 *	1 -	32%	22%	0.08 * [(	50%	0.42%	50%	5%	1	39% =	0	\$0	5	
C	459 *	1 -	30%	22%	0.08 * [(	50%	0.42%	50%	5%	1	39% =	0	\$0	1	
D	3,793 *	1 -	31%	22%	0.08 * [(	50%	0.42%	50%	5%	1	39% =	1	\$51	10	
Lifesaving															
Category A	457 *	1 -	78%	22%	\$211 * [(	50%	0.42%	50%	5%	1	50% =		\$63		
Schools															
Category A	6,321 *	1 -	30%	22%	\$211 * [(	50%	0.42%	50%	5%	1	0% =		\$5,566		
D	6,321 *	1 -	30%	22%	\$211 * [(	50%	0.42%	50%	5%	1	0% =		\$5,566		
Waste Removal															
Category A	50 *	1 -	30%	22%	\$211 * [(	50%	0.42%	50%	5%	1	50% =		\$22		
											Total =	65	\$3,315	\$99,018	792









Research LabsC	C	(((	1,315 x 0.17 )+(	322 x 0.25 )	31.60% ]+[	494 x ( 0.08 + 0.25 )]=	261	\$6,661	1,011
Research LabsD	D	(((	352 x 0.17 )+(	124 x 0.25 )	21.80% ]+[	0 x ( 0.08 + 0.25 )]=	20	\$510	104
Linen Service	Linen Service				0.00% ]+[				
Linen ServiceD	D	(((	56,000 x 0.17 )+(	16,800 x 0.25 )	54.00% ]+[	3,000 x ( 0.08 + 0.25 )]=	8,408	\$214,572	42,312
Medical Equipment Repair	Medical Equipment Repair				0.00% ]+[				
Medical Equipment RepairA	Category A	(((	473 x 0.17 )+(	119 x 0.25 )	38.30% ]+[	0 x ( 0.08 + 0.25 )]=	42	\$1,072	227
Medical Equipment RepairB	B	(((	200 x 0.17 )+(	54 x 0.25 )	38.30% ]+[	0 x ( 0.08 + 0.25 )]=	18	\$459	97
Medical Equipment RepairC	C	(((	5,152 x 0.17 )+(	1,422 x 0.25 )	21.80% ]+[	161 x ( 0.08 + 0.25 )]=	322	\$8,217	1,594
Medical Equipment RepairD	D	(((	360 x 0.17 )+(	108 x 0.25 )	21.80% ]+[	2,464 x ( 0.08 + 0.25 )]=	840	\$21,437	2,566
Law Enforcement	Law Enforcement				0.00% ]+[				
Law EnforcementA	Category A	(((	477,334 x 0.17 )+(	118,856 x 0.25 )	10.10% ]+[	18,993 x ( 0.08 + 0.25 )]=	17,522	\$447,161	79,208
Law EnforcementB	B	(((	1,769 x 0.17 )+(	690 x 0.25 )	21.80% ]+[	2,770 x ( 0.08 + 0.25 )]=	1,026	\$26,184	3,306
Law EnforcementC	C	(((	4,072 x 0.17 )+(	1,197 x 0.25 )	31.60% ]+[	1,444 x ( 0.08 + 0.25 )]=	794	\$20,263	3,109
Law EnforcementD	D	(((	48,270 x 0.17 )+(	11,150 x 0.25 )	10.10% ]+[	4,204 x ( 0.08 + 0.25 )]=	2,510	\$64,055	10,205
Fire and Rescue	Fire and Rescue				0.00% ]+[				
Fire and RescueA	Category A	(((	191,104 x 0.17 )+(	44,183 x 0.25 )	21.80% ]+[	10,411 x ( 0.08 + 0.25 )]=	12,957	\$330,663	61,704
Fire and RescueB	B	(((	228,944 x 0.17 )+(	69,507 x 0.25 )	8.50% ]+[	857 x ( 0.08 + 0.25 )]=	5,071	\$129,412	26,225
Fire and RescueD	D	(((	2,971 x 0.17 )+(	672 x 0.25 )	38.30% ]+[	2,158 x ( 0.08 + 0.25 )]=	976	\$24,908	3,553
Correctional Facilities	Correctional Facilities				0.00% ]+[				
Correctional FacilitiesA	Category A	(((	19,628 x 0.17 )+(	6,513 x 0.25 )	31.70% ]+[	3,034 x ( 0.08 + 0.25 )]=	2,584	\$65,944	11,321
Correctional FacilitiesB	B	(((	194,108 x 0.17 )+(	56,485 x 0.25 )	41.00% ]+[	1,887 x ( 0.08 + 0.25 )]=	19,947	\$509,047	104,630
Correctional FacilitiesC	C	(((	17,033 x 0.17 )+(	4,599 x 0.25 )	31.60% ]+[	459 x ( 0.08 + 0.25 )]=	1,431	\$36,519	7,295
Correctional FacilitiesD	D	(((	50,790 x 0.17 )+(	14,932 x 0.25 )	29.10% ]+[	3,793 x ( 0.08 + 0.25 )]=	4,862	\$124,078	22,918
Lifesaving	Lifesaving				0.00% ]+[				
LifesavingA	Category A	(((	5,000 x 0.17 )+(	2,550 x 0.25 )	21.80% ]+[	457 x ( 0.08 + 0.25 )]=	476	\$12,148	2,103
Schools	Schools				0.00% ]+[				
SchoolsA	Category A	(((	23,514 x 0.17 )+(	7,054 x 0.25 )	25.00% ]+[	6,321 x ( 0.08 + 0.25 )]=	3,545	\$90,468	13,963
SchoolsD	D	(((	17,848 x 0.17 )+(	5,354 x 0.25 )	36.30% ]+[	6,321 x ( 0.08 + 0.25 )]=	3,692	\$94,220	14,743
Waste Removal	Waste Removal				0.00% ]+[				
Waste RemovalA	Category A	(((	13,300 x 0.17 )+(	3,990 x 0.25 )	36.30% ]+[	50 x ( 0.08 + 0.25 )]=	1,199	\$30,598	6,326
TOTALS							969,006	\$24,729,033	4,234,549
			8,399,358	2,473,489		1,189,683			

Hours 162,803 Item 12 \$4,154,733 NA Item 13 Responses 9,576,692

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

Sector/Category	Office of Physicians	Hours	Cost	Responses
Office of the PhysiciansA	Category A	1,284,076 x (	1 + 22.80% /	2 x ) 0.02 = 24,318 \$620,595 1,430,461
Office of the PhysiciansC	C	9,248 x (	1 + 31.60% /	2 x ) 0.02 = 182 \$4,645 10,709
Office of the PhysiciansD	D	92,475 x (	1 + 21.80% /	2 x ) 0.02 = 1,743 \$44,481 102,554
Office of Dentists	Office of Dentists			
Office of DentistsA	Category A	483,407 x (	1 + 26.80% /	2 x ) 0.02 = 9,319 \$237,821 548,184
Office of DentistsC	C	4,633 x (	1 + 31.60% /	2 x ) 0.02 = 91 \$2,322 5,365
Nursing Homes	Nursing Homes			
Nursing HomesA	Category A	661,860 x (	1 + 49.90% /	2 x ) 0.02 = 14,059 \$358,786 826,994
Nursing HomesC	C	42,701 x (	1 + 31.60% /	2 x ) 0.02 = 841 \$21,462 49,448
Nursing HomesD	D	7,117 x (	1 + 31.60% /	2 x ) 0.02 = 140 \$3,573 8,241
Hospitals	Hospitals			
HospitalsA	Category A	2,399,365 x (	1 + 27.20% /	2 x ) 0.02 = 46,337 \$1,182,520 2,725,679
HospitalsB	B	205,009 x (	1 + 21.80% /	2 x ) 0.02 = 3,865 \$98,635 227,355
HospitalsC	C	318,903 x (	1 + 31.60% /	2 x ) 0.02 = 6,278 \$160,215 369,290
Medical and Dental Labs	Medical and Dental Labs			
Medical and Dental LabsA	Category A	276,866 x (	1 + 21.70% /	2 x ) 0.02 = 5,217 \$133,138 306,906
Medical and Dental LabsC	C	2,132 x (	1 + 31.60% /	2 x ) 0.02 = 42 \$1,072 2,469
Medical and Dental LabsD	D	240,392 x (	1 + 31.60% /	2 x ) 0.02 = 4,732 \$120,761 278,373
Home Health	Home Health			
Home HealthA	Category A	306,068 x (	1 + 36.30% /	2 x ) 0.02 = 6,148 \$156,897 361,619
Home HealthC	C	4,524 x (	1 + 31.60% /	2 x ) 0.02 = 89 \$2,271 5,239
Home HealthD	D	9,501 x (	1 + 36.30% /	2 x ) 0.02 = 191 \$4,874 11,225
Hospices	Hospices			
HospicesA	Category A	10,565 x (	1 + 36.30% /	2 x ) 0.02 = 212 \$5,410 12,483
HospicesC	C	154 x (	1 + 31.60% /	2 x ) 0.02 = 3 \$77 178
HospicesD	D	27 x (	1 + 36.30% /	2 x ) 0.02 = 1 \$26 32
Hemodialysis	Hemodialysis			
HemodialysisA	Category A	4,964 x (	1 + 25.50% /	2 x ) 0.02 = 95 \$2,424 5,597
HemodialysisC	C	87 x (	1 + 31.60% /	2 x ) 0.02 = 2 \$51 101
HemodialysisD	D	230 x (	1 + 21.80% /	2 x ) 0.02 = 4 \$102 255
Drug Rehabilitation	Drug Rehabilitation			
Drug RehabilitationA	Category A	6,067 x (	1 + 25.50% /	2 x ) 0.02 = 116 \$2,960 6,841
Drug RehabilitationC	C	149 x (	1 + 31.60% /	2 x ) 0.02 = 3 \$77 173
Drug RehabilitationD	D	506 x (	1 + 21.80% /	2 x ) 0.02 = 10 \$255 561
Government Clinics	Government Clinics			
Government ClinicsA	Category A	52,156 x (	1 + 22.80% /	2 x ) 0.02 = 988 \$25,214 58,102
Government ClinicsC	C	381 x (	1 + 31.60% /	2 x ) 0.02 = 8 \$204 441
Government ClinicsD	D	3,808 x (	1 + 21.80% /	2 x ) 0.02 = 72 \$1,837 4,223
Blood/Plasma/Tissue Centers	Blood/Plasma/Tissue Centers			
Blood/Plasma/Tissue CentersA	Category A	36,820 x (	1 + 21.80% /	2 x ) 0.02 = 694 \$17,711 40,833
Blood/Plasma/Tissue CentersC	C	405 x (	1 + 31.60% /	2 x ) 0.02 = 8 \$204 469
Blood/Plasma/Tissue CentersD	D	789 x (	1 + 36.30% /	2 x ) 0.02 = 16 \$408 932
Residential Care	Residential Care			
Residential Care A	Category A	71,425 x (	1 + 49.60% /	2 x ) 0.02 = 1,515 \$38,663 89,139
Residential Care C	C	1,972 x (	1 + 31.60% /	2 x ) 0.02 = 39 \$995 2,284
Residential Care D	D	11,704 x (	1 + 36.30% /	2 x ) 0.02 = 235 \$5,997 13,829
Personnel Services	Personnel Services			
Personnel ServicesA	Category A	61,387 x (	1 + 100.00% /	2 x ) 0.02 = 1,565 \$39,939 92,081
Personnel ServicesD	D	102,090 x (	1 + 31.60% /	2 x ) 0.02 = 2,010 \$51,295 118,220

Funeral Services	Funeral Services								
Funeral ServicesA	Category A	53,408 x (	1 + 21.80% /	2 x)	0.02 =	1,007	\$25,699	59,229	
Funeral ServicesC	C	2,846 x (	1 + 31.60% /	2 x)	0.02 =	56	\$1,429	3,296	
Funeral ServicesD	D	3,387 x (	1 + 31.60% /	2 x)	0.02 =	67	\$1,710	3,922	
Health Units in Industry	Health Units in Industry								
Health Units in IndustryA	Category A	34,184 x (	1 + 31.70% /	2 x)	0.02 =	673	\$17,175	39,602	
Health Units in IndustryB	B	141,051 x (	1 + 21.80% /	2 x)	0.02 =	2,659	\$67,858	156,426	
Health Units in IndustryD	D	3,497 x (	1 + 31.60% /	2 x)	0.02 =	69	\$1,761	4,050	
Research Labs	Research Labs								
Research LabsA	Category A	87,484 x (	1 + 21.80% /	2 x)	0.02 =	1,649	\$42,082	97,020	
Research LabsC	C	1,315 x (	1 + 31.60% /	2 x)	0.02 =	26	\$664	1,523	
Research LabsD	D	352 x (	1 + 21.80% /	2 x)	0.02 =	7	\$179	390	
Linen Service	Linen Service								
Linen ServiceD	D	56,000 x (	1 + 54.00% /	2 x)	0.02 =	1,209	\$30,854	71,120	
Medical Equipment Repair	Medical Equipment Repair								
Medical Equipment RepairA	Category A	473 x (	1 + 38.30% /	2 x)	0.02 =	10	\$255	564	
Medical Equipment RepairB	B	200 x (	1 + 38.30% /	2 x)	0.02 =	4	\$102	238	
Medical Equipment RepairC	C	5,152 x (	1 + 21.80% /	2 x)	0.02 =	97	\$2,475	5,714	
Medical Equipment RepairD	D	360 x (	1 + 21.80% /	2 x)	0.02 =	7	\$179	399	
Law Enforcement	Law Enforcement								
Law EnforcementA	Category A	477,334 x	1 + 10.10% /	2 x)	0.02 =	8,524	\$217,532	501,439	
Law EnforcementB	B	1,769 x (	1 + 21.80% /	2 x)	0.02 =	33	\$842	1,962	
Law EnforcementC	C	4,072 x (	1 + 31.60% /	2 x)	0.02 =	80	\$2,042	4,715	
Law EnforcementD	D	48,270 x (	1 + 10.10% /	2 x)	0.02 =	862	\$21,998	50,708	
Fire and Rescue	Fire and Rescue								
Fire and RescueA	Category A	191,104 x (	1 + 21.80% /	2 x)	0.02 =	3,603	\$91,949	211,934	
Fire and RescueB	B	228,944 x (	1 + 8.50% /	2 x)	0.02 =	4,057	\$103,535	238,674	
Fire and RescueD	D	2,971 x	1 + 38.30% /	2 x)	0.02 =	60	\$1,531	3,540	
Correctional Facilities	Correctional Facilities								
Correctional FacilitiesA	Category A	19,628 x (	1 + 31.70% /	2 x)	0.02 =	387	\$9,876	22,739	
Correctional FacilitiesB	B	194,108 x (	1 + 41.00% /	2 x)	0.02 =	3,976	\$101,468	233,900	
Correctional FacilitiesC	C	17,033 x (	1 + 31.60% /	2 x)	0.02 =	335	\$8,549	19,724	
Correctional FacilitiesD	D	50,790 x (	1 + 29.10% /	2 x)	0.02 =	989	\$25,239	58,180	
Lifesaving	Lifesaving								
LifesavingA	Category A	5,000 x (	1 + 21.80% /	2 x)	0.02 =	94	\$2,399	5,545	
Schools	Schools								
SchoolsA	Category A	23,514 x (	1 + 25.00% /	2 x)	0.02 =	450	\$11,484	26,453	
SchoolsD	D	17,848 x (	1 + 36.30% /	2 x)	0.02 =	358	\$9,136	21,087	
Waste Removal	Waste Removal								
Waste RemovalA	Category D	13,300 x (	1 + 36.30% /	2 x)	0.02 =	267	\$6,814	15,714	
	TOTALS					162,803	\$4,154,733	9,576,692	