

Exposure Control Plan

TABLE 1

Hours = # of Establishments x Time

Cost = # 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	199,100	Offices of Physicians	x 2	398,200	\$13,937,000
	17,520	new establishments for Physicians	x 4	70,080	\$2,452,800
Office of Dentists	114,908	Office of Dentists	x 2	229,816	\$8,043,560
	9,645	new establishments for Dentists	x 4	38,580	\$1,350,300
Nursing Homes	15,980	Nursing Homes	x 2	31,960	\$1,118,600
	6,173	new establishments for Nursing home	x 16	98,768	\$3,456,880
Hospitals	6,843	Hospitals	x 8	54,744	\$1,916,040
Medical and Dental Labs	19,324	Medical and Dental Labs	x 2	38,648	\$1,352,680
Home Health Care	6,437	Home Health Care	x 2	12,874	\$450,590
	690	new establishments for Home Health	x 4	2,760	\$96,600
Hospices	651	Hospices	x 2	1,302	\$45,570
Hemodialysis	391	Hemodialysis	x 2	782	\$27,370
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	11,220	Residential Care	x 2	22,440	\$785,400
	1,641	new establishments for Residential C	x 4	6,564	\$229,740
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		1,520,338	\$53,211,830

Responses

666,933

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	1,235,730	x	57%	x	52%	x	0.63	x	6.9% =	15,922	\$30.01	\$477,812	25,273
C	8,900	x	67%	x	33%	x	0.38	x	9.8% =	73	\$9.65	\$707	193
D	88,993	x	37%	x	65%	x	0.38	x	12.9% =	1,049	\$17.46	\$18,318	2,761
Office of Dentists													
Category A	447,221	x	33%	x	75%	x	0.63	x	1.6% =	1,116	\$23.12	\$25,796	1,771
C	4,286	x	80%	x	30%	x	0.38	x	9.8% =	38	\$9.65	\$370	101
Nursing Homes (75% employees on- site)													
Category A	531,431	x	57%	x	50%	x	0.63	x	24.8% =	23,664	\$12.28	\$290,591	37,562
C	34,286	x	67%	x	50%	x	0.38	x	9.8% =	428	\$9.65	\$4,128	1,126
D	5,714	x	37%	x	50%	x	0.38	x	9.8% =	39	\$9.65	\$380	104
Nursing Homes (25% employees off-site)													
Category A	177,144	x	57%	x	50%	x	1.92	x	24.8% =	24,039	\$12.28	\$295,204	12,521
C	11,429	x	67%	x	50%	x	1.67	x	9.8% =	627	\$9.65	\$6,047	375
D	1,905	x	37%	x	50%	x	1.67	x	9.8% =	58	\$9.65	\$557	35
Hospitals													
Category A	2,341,537	x	54%	x	57%	x	0.63	x	14.7% =	66,746	\$17.08	\$1,140,028	105,947
B	200,068	x	54%	x	57%	x	0.63	x	12.9% =	5,005	\$17.51	\$87,632	7,944
C	311,217	x	69%	x	44%	x	0.38	x	9.8% =	3,519	\$9.68	\$34,060	9,260
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	213,361	x	77%	x	38%	x	0.63	x	22.3% =	8,771	\$11.81	\$103,582	13,922
C	3,154	x	100%	x	30%	x	0.38	x	9.8% =	35	\$9.65	\$340	93
D	6,623	x	88%	x	82%	x	0.38	x	22.5% =	409	\$11.81	\$4,826	1,075
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	4,964	x	33%	x	77%	x	0.63	x	15.4% =	122	\$20.56	\$2,516	194
C	87	x	69%	x	54%	x	0.38	x	22.5% =	3	\$9.65	\$27	7
D	230	x	48%	x	60%	x	0.38	x	12.9% =	3	\$17.46	\$57	9

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	53,536	x	73%	x	50%	x	0.63	x	24.3%	=	2,991	\$12.92	\$38,650	4,748
C	1,478	x	100%	x	50%	x	0.38	x	9.8%	=	28	\$9.65	\$266	72
D	8,773	x	42%	x	50%	x	0.38	x	9.8%	=	69	\$11.81	\$810	181
Residential Care (25% employees off-site)														
Category A	17,845	x	73%	x	50%	x	1.92	x	24.3%	=	3,039	\$12.92	\$39,263	1,583
C	493	x	100%	x	50%	x	1.67	x	9.8%	=	40	\$9.65	\$389	24
D	2,924	x	42%	x	50%	x	1.67	x	9.8%	=	101	\$11.81	\$1,187	60
Personal 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	3,002
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	9.8%	=	159	\$9.64	\$1,533	95
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	44
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

B	136,412	x	44%	x	69%	x	1.92	x	22.5% =	17,891	TABLE 2	\$276,418	9,318	
D	1,770	x	31%	x	73%	x	1.67	x	7.8% =	52		\$11.61	\$606	31
Correctional Facilities														
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														
Category A	5,000	x	75%	x	68%	x	1.92	x	12.9% =	632		\$17.16	\$10,838	329
Schools														
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														
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>	898
										240,330		\$3,862,581	0	293,338

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	1,235,730	x	57%	x	52%	x	0.5	x	6.9%	12,636	\$442,272	25273
C	8,900	x	67%	x	33%	x	0.25	x	9.8%	48	\$1,687	193
D	88,993	x	37%	x	65%	x	0.25	x	12.9%	690	\$24,158	2761
Office of Dentists												
Category A	447,221	x	33%	x	75%	x	0.5	x	1.6%	885	\$30,992	1771
C	4,286	x	80%	x	30%	x	0.25	x	9.8%	25	\$882	101
Nursing Homes (75% employees on- site)												
Category A	531,431	x	57%	x	50%	x	0.5	x	24.8%	18,781	\$657,327	37562
C	34,286	x	67%	x	50%	x	0.25	x	9.8%	281	\$9,849	1126
D	5,714	x	37%	x	50%	x	0.25	x	9.8%	26	\$907	104
Nursing Homes (25% employees off-site)												
Category A	177,144	x	57%	x	50%	x	\$218	x	24.8%		\$2,729,473	
C	11,429	x	67%	x	50%	x	\$128	x	9.8%		\$48,026	
D	1,905	x	37%	x	50%	x	\$128	x	9.8%		\$4,420	
Hospitals												
Category A	2,341,537	x	54%	x	57%	x	0.5	x	14.7%	52,973	\$1,854,065	105947
B	200,068	x	54%	x	57%	x	0.5	x	12.9%	3,972	\$139,019	7944
C	311,217	x	69%	x	44%	x	0.25	x	9.8%	2,315	\$81,021	9260
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	213,361	x	77%	x	38%	x	0.5	x	22.3%	6,961	\$243,631	13922
C	3,154	x	100%	x	30%	x	0.25	x	9.8%	23	\$811	93
D	6,623	x	88%	x	82%	x	0.25	x	22.5%	269	\$9,409	1075
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	4,964	x	33%	x	77%	x	0.5	x	15.4%	97	\$3,399	194
C	87	x	69%	x	54%	x	0.25	x	22.5%	2	\$64	7
D	230	x	48%	x	60%	x	0.25	x	12.9%	2	\$75	9

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	53,536	x	73%	x	50%	x	0.25	x	24.3%	1,187	\$41,548	4748
C	1,478	x	100%	x	50%	x	0.25	x	9.8%	18	\$634	72
D	8,773	x	42%	x	50%	x	0.25	x	9.8%	45	\$1,580	181

Residential Care (25% employees off-site)

Category A	17,846	x	73%	x	50%	x	\$218	x	24.3%		\$345,062	
C	493	x	100%	x	50%	x	\$128	x	9.8%		\$3,091	
D	2,924	x	42%	x	50%	x	\$128	x	9.8%		\$7,703	

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
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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%	<u>114,912</u>	<u>\$114,912</u>
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Totals

										6,618,653	\$9,641,841	\$4,010,571	243,631
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HIV Source Testing Health Care Professional Time

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

Table 4 (Cont'd)

HBV Source Testing

(Health Professional Time)

Hours = 5,310

#12 = \$124,516

#13 = 1,201,382

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 wherer non-vaccinated workerss are exposed
- Health professional time is equivalent to 1/2 the time required to administer the HBV vaccination
- Cost of antigen test = \$30.00

								HOURS	Cost # 13	Cost #12	RESPONSES
Office of Physicians											
Category A	179,493	x [(73% x 10% x 4% x 50%) + ((1 - 73%) x 50%)] x	0.083	x (1 - 22%) =	1,586				\$47,587	19105	
C	0	x [(55% x 10% x 4% x 50%) + ((1 - 55%) x 50%)] x	0.083	x (1 - 22%) =	0				\$0	0	
D	0	x [(87% x 10% x 4% x 50%) + ((1 - 87%) x 50%)] x	0.083	x (1 - 22%) =	0				\$0	0	
Office of Dentists											
Category A	279,485	x [(92% x 10% x 4% x 50%) + ((1 - 92%) x 50%)] x	0.083	x (1 - 5%) =	922				\$21,318	11109	
C	43,075	x [(44% x 10% x 4% x 50%) + ((1 - 44%) x 50%)] x	0.083	x (1 - 5%) =	954				\$9,206	11494	
Nursing Homes											
Category A	35,746	x [(38% x 10% x 4% x 50%) + ((1 - 38%) x 50%)] x	0.083	x (1 - 34%) =	609				\$7,473	7332	
C	5,002	x [(31% x 10% x 4% x 50%) + ((1 - 31%) x 50%)] x	0.083	x (1 - 34%) =	95				\$914	1141	
D	4,636	x [(30% x 10% x 4% x 50%) + ((1 - 30%) x 50%)] x	0.083	x (1 - 34%) =	89				\$859	1073	
Hospitals											
Category A	254,449	[(77% x 10% x 4% x 50%) + ((1 - 77%) x 50%)] x	0.083	x (1 - 83%) =	418				\$7,146	5041	
B	34,579	x [(77% x 10% x 4% x 50%) + ((1 - 72%) x 50%)] x	0.083	x (1 - 83%) =	69				\$1,209	832	
C	30,799	x [(62% x 10% x 4% x 50%) + ((1 - 62%) x 50%)] x	0.083	x (1 - 83%) =	83				\$804	1001	
Medical and Dental Labs											
Category A	5,177	x [(79% x 10% x 4% x 50%) + ((1 - 79%) x 50%)] x	0.083	x (1 - 69%) =	14				\$308	171	
C	0	x [(38% x 10% x 4% x 50%) + ((1 - 38%) x 50%)] x	0.083	x (1 - 69%) =	0				\$0	0	
D	487	x [(30% x 10% x 4% x 50%) + ((1 - 30%) x 50%)] x	0.083	x (1 - 69%) =	4				\$42	53	
Home Health Care											
Category A	6,244	x [(52% x 10% x 4% x 50%) + ((1 - 52%) x 50%)] x	0.083	x (1 - 32%) =	85				\$1,003	1023	
C	0	x [(30% x 10% x 4% x 50%) + ((1 - 30%) x 50%)] x	0.083	x (1 - 32%) =	0				\$0	0	
D	2,575	x [(84% x 10% x 4% x 50%) + ((1 - 84%) x 50%)] x	0.083	x (1 - 32%) =	12				\$140	143	

Hospices																														
	Category A	684	x	[	(	58%	x	10%	x	4%	x	50%)	+	(	(	1 -	58%)	x	50%)	]	x	0.083	x	(	1 -	42%)	=	7	\$82	84
	C	0	x	[	(	82%	x	10%	x	4%	x	50%)	+	(	(	1 -	82%)	x	50%)	]	x	0.083	x	(	1 -	42%)	=	0	\$0	0
	D	215	x	[	(	30%	x	10%	x	4%	x	50%)	+	(	(	1 -	30%)	x	50%)	]	x	0.083	x	(	1 -	42%)	=	4	\$43	44
Hemodialysis																														
	A	4,684	x	[	(	92%	x	10%	x	4%	x	50%)	+	(	(	1 -	92%)	x	50%)	]	x	0.083	x	(	1 -	96%)	=	1	\$13	8
	C	477	x	[	(	68%	x	10%	x	4%	x	50%)	+	(	(	1 -	68%)	x	50%)	]	x	0.083	x	(	1 -	96%)	=	0	\$0	3
	D	141	x	[	(	81%	x	10%	x	4%	x	50%)	+	(	(	1 -	81%)	x	50%)	]	x	0.083	x	(	1 -	96%)	=	0	\$0	1
Drug Rehabilitation																														
	Category A	283	x	[	(	78%	x	10%	x	4%	x	50%)	+	(	(	1 -	78%)	x	50%)	]	x	0.083	x	(	1 -	82%)	=	0	\$0	6
	C	0	x	[	(	100%	x	10%	x	4%	x	50%)	+	(	(	1 -	100%)	x	50%)	]	x	0.083	x	(	1 -	82%)	=	0	\$0	0
	D	0	x	[	(	30%	x	10%	x	4%	x	50%)	+	(	(	1 -	30%)	x	50%)	]	x	0.083	x	(	1 -	82%)	=	0	\$0	0
Government Clinics																														
	Category A	16,013	x	[	(	73%	x	10%	x	4%	x	50%)	+	(	(	1 -	73%)	x	50%)	]	x	0.083	x	(	1 -	22%)	=	141	\$4,173	1704
	C	0	x	[	(	55%	x	10%	x	4%	x	50%)	+	(	(	1 -	55%)	x	50%)	]	x	0.083	x	(	1 -	22%)	=	0	\$0	0
	D	0	x	[	(	87%	x	10%	x	4%	x	50%)	+	(	(	1 -	87%)	x	50%)	]	x	0.083	x	(	1 -	22%)	=	0	\$0	0
Blood/Plasma/Tissue Centers																														
	Category A	6,453	x	[	(	65%	x	10%	x	4%	x	50%)	+	(	(	1 -	65%)	x	50%)	]	x	0.083	x	(	1 -	100%)	=	0	\$0	0
	C	139	x	[	(	44%	x	10%	x	4%	x	50%)	+	(	(	1 -	44%)	x	50%)	]	x	0.083	x	(	1 -	100%)	=	0	\$0	0
	D	497	x	[	(	71%	x	10%	x	4%	x	50%)	+	(	(	1 -	71%)	x	50%)	]	x	0.083	x	(	1 -	100%)	=	0	\$0	0
Residential Care																														
	Category A	4,850	x	[	(	64%	x	10%	x	4%	x	50%)	+	(	(	1 -	64%)	x	50%)	]	x	0.083	x	(	1 -	85%)	=	11	\$141	132
	C	388	x	[	(	30%	x	10%	x	4%	x	50%)	+	(	(	1 -	30%)	x	50%)	]	x	0.083	x	(	1 -	85%)	=	2	\$16	20
	D	2,571	x	[	(	73%	x	10%	x	4%	x	50%)	+	(	(	1 -	73%)	x	50%)	]	x	0.083	x	(	1 -	85%)	=	4	\$52	53
Personnel Services																														
	Category A	2,993	x	[	(	38%	x	10%	x	4%	x	50%)	+	(	(	1 -	38%)	x	50%)	]	x	\$ 30.00	x	(	1 -	61%)	=		\$10,882	
	D	0	x	[	(	30%	x	10%	x	4%	x	50%)	+	(	(	1 -	30%)	x	50%)	]	x	\$ 30.00	x	(	1 -	0%)	=		\$0	
Funeral Services																														
	Category A	11,735	x	[	(	67%	x	10%	x	4%	x	50%)	+	(	(	1 -	67%)	x	50%)	]	x	\$ 30.00	x	(	1 -	13%)	=		\$50,947	
	C	0	x	[	(	30%	x	10%	x	4%	x	50%)	+	(	(	1 -	30%)	x	50%)	]	x	\$ 30.00	x	(	1 -	13%)	=		\$0	
	D	0	x	[	(	64%	x	10%	x	4%	x	50%)	+	(	(	1 -	64%)	x	50%)	]	x	\$ 30.00	x	(	1 -	13%)	=		\$0	
Health Units in Industry																														
	Category A	186,835	x	[	(	60%	x	10%	x	4%	x	50%)	+	(	(	1 -	60%)	x	50%)	]	x	\$ 30.00	x	(	1 -	14%)	=		\$969,853	
	B	0	x	[	(	42%	x	10%	x	4%	x	50%)	+	(	(	1 -	42%)	x	50%)	]	x	\$ 30.00	x	(	1 -	14%)	=		\$0	
	C	0	x	[	(	30%	x	10%	x	4%	x	50%)	+	(	(	1 -	30%)	x	50%)	]	x	\$ 30.00	x	(	1 -	14%)	=		\$0	
Research Labs																														
	Category A	494	x	[	(	81%	x	10%	x	4%	x	50%)	+	(	(	1 -	81%)	x	50%)	]	x	\$ 30.00	x	(	1 -	30%)	=		\$1,002	
	C	0	x	[	(	42%	x	10%	x	4%	x	50%)	+	(	(	1 -	45%)	x	50%)	]	x	\$ 30.00	x	(	1 -	30%)	=		\$0	
	D	0	x	[	(	81%	x	10%	x	4%	x	50%)	+	(	(	1 -	81%)	x	50%)	]	x	\$ 30.00	x	(	1 -	30%)	=		\$0	
Linen Service																														
	Category D	3,000	x	[	(	30%	x	10%	x	4%	x	50%)	+	(	(	1 -	30%)	x	50%)	]	x	\$ 30.00	x	(	1 -	90%)	=		\$3,155	
Medical Equipment Repair																														
	Category A	0	x	[	(	41%	x	10%	x	4%	x	50%)	+	(	(	1 -	41%)	x	50%)	]	x	\$ 30.00	x	(	1 -	0%)	=		\$0	
	B	0	x	[	(	37%	x	10%	x	4%	x	50%)	+	(	(	1 -	37%)	x	50%)	]	x	\$ 30.00	x	(	1 -	0%)	=		\$0	
	C	161	x	[	(	36%	x	10%	x	4%	x	50%)	+	(	(	1 -	36%)	x	50%)	]	x	\$ 30.00	x	(	1 -	0%)	=		\$1,549	
	D	2,464	x	[	(	30%	x	10%	x	4%	x	50%)	+	(	(	1 -	30%)	x	50%)	]	x	\$ 30.00	x	(	1 -	0%)	=		\$25,916	
Law Enforcement																														
	Category A	18,933	x	[	(	42%	x	10%	x	4%	x	50%)	+	(	(	1 -	42%)	x	50%)	]	x	0.083	x	(	1 -	91%)	=	41	\$610	496
	B	2,770	x	[	(	92%	x	10%	x	4%	x	50%)	+	(	(	1 -	92%)	x	50%)	]	x	0.083	x	(	1 -	91%)	=	1	\$15	10

	C	1,444	x [(31% x 10% x 4% x 50%) + ((1 - 31%) x 50%)] x	0.083	x (1 - 91%) =	4	\$35	45	
Fire and Rescue	D	4,204	x [(46% x 10% x 4% x 50%) + ((1 - 46%) x 50%)] x	0.083	x (1 - 91%) =	9	\$127	103	
	Category A	10,411	x [(89% x 10% x 4% x 50%) + ((1 - 89%) x 50%)] x	\$ 30.00	x (1 - 82%) =		\$3,192		
	B	857	x [(86% x 10% x 4% x 50%) + ((1 - 86%) x 50%)] x	\$ 30.00	x (1 - 82%) =		\$332		
Correctional Facilities	D	2,158	x [(92% x 10% x 4% x 50%) + ((1 - 92%) x 50%)] x	\$ 30.00	x (1 - 82%) =		\$488		
	Category A	3,034	x [(54% x 10% x 4% x 50%) + ((1 - 54%) x 50%)] x	0.083	x (1 - 38%) =	36	\$547	435	
	B	1,887	x [(32% x 10% x 4% x 50%) + ((1 - 32%) x 50%)] x	0.083	x (1 - 38%) =	33	\$397	399	
	C	459	x [(30% x 10% x 4% x 50%) + ((1 - 30%) x 50%)] x	0.083	x (1 - 38%) =	8	\$79	100	
Lifesaving	D	3,793	x [(31% x 10% x 4% x 50%) + ((1 - 30%) x 50%)] x	0.083	x (1 - 38%) =	68	\$985	825	
Schools	Category A	457	x [(76% x 10% x 4% x 50%) + ((1 - 76%) x 50%)] x	\$ 30.00	x (1 - 50%) =		\$833	\$14,586	
	Category A	6,321	x [(30% x 10% x 4% x 50%) + ((1 - 30%) x 50%)] x	\$ 30.00	x (1 - 0%) =		\$66,484		
Waste Removal	D	6,321	x [(30% x 10% x 4% x 50%) + ((1 - 30%) x 50%)] x	\$ 30.00	x (1 - 0%) =		\$66,484		
	Category A	50	x [(30% x 10% x 4% x 50%) + ((1 - 30%) x 50%)] x	\$ 30.00	x (1 - 50%) =		\$263	\$4,604	
	TOTAL					5,310	\$1,201,382	\$124,516	63,983

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 rate 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	9565.18197
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	20827.2222
C	43,075	x	44%	x	0.128	x	0.1	x	(1 - 19%) =	197	\$9.65	\$1,896.27	1535.193
Nursing Homes													
Category A	35,746	x	38%	x	0.128	x	0.1	x	(1 - 31%) =	120	\$12.28	\$1,473.22	937.26012
C	5,002	x	31%	x	0.128	x	0.1	x	(1 - 31%) =	14	\$9.65	\$132.16	106.99278
D	4,636	x	30%	x	0.128	x	0.1	x	(1 - 31%) =	12	\$9.65	\$118.54	95.9652
Hospitals													
Category A	254,449	x	77%	x	0.128	x	0.1	x	(1 - 76%) =	602	\$17.08	\$10,280.18	4702.21752
B	34,579	x	77%	x	0.128	x	0.1	x	(1 - 76%) =	82	\$17.51	\$1,432.22	639.01992
C	30,799	x	62%	x	0.128	x	0.1	x	(1 - 76%) =	59	\$9.68	\$567.84	458.28912
Medical and Dental Labs													
Category A	5,177	x	79%	x	0.128	x	0.1	x	(1 - 86%) =	7	\$21.66	\$158.75	57.25762
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	2.0454
Home Health													
Category A	6,244	x	52%	x	0.128	x	0.1	x	(1 - 67%) =	14	\$11.81	\$161.97	107.14704
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	71.379
Hospices													
Category A	684	x	58%	x	0.128	x	0.1	x	(1 - 60%) =	2	\$11.81	\$23.99	15.8688
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	2.58
Hemodialysis													
Category A	4,684	x	92%	x	0.128	x	0.1	x	(1 - 93%) =	4	\$20.56	\$79.38	30.16496
C	477	x	68%	x	0.128	x	0.1	x	(1 - 93%) =	0	\$9.65	\$2.80	2.27052
D	141	x	81%	x	0.128	x	0.1	x	(1 - 93%) =	0	\$17.46	\$1.79	0.79947
Drug Rehabilitation													
Category A	283	x	78%	x	0.128	x	0.1	x	(1 - 77%) =	1	\$20.56	\$13.36	5.07702
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	853.33277
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													

Table 5

Category A	6,453	x	65%	x	0.128	x	0.1	x	(1 - 66%) =	18	\$17.46	\$318.72	142.6113
C	139	x	44%	x	0.128	x	0.1	x	(1 - 66%) =	0	\$9.65	\$2.57	2.07944
D	197	x	71%	x	0.128	x	0.1	x	(1 - 66%) =	1	\$11.81	\$7.19	4.75558
Residential Care													
Category A	4,850	x	64%	x	0.128	x	0.1	x	(1 - 39%) =	24	\$12.92	\$313.13	189.344
C	388	x	30%	x	0.128	x	0.1	x	(1 - 39%) =	1	\$9.65	\$8.77	7.1004
D	2,571	x	73%	x	0.128	x	0.1	x	(1 - 39%) =	15	\$11.81	\$173.07	114.48663
Personnel Services													
Category A	2,993	x	38%	x	0.5	x	0.1	x	(1 - 83%) =	10	\$14.86	\$143.66	19.33478
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	4.28904
D	2,464	x	30%	x	0.5	x	0.1	x	(1 - 26%) =	27	\$17.10	\$467.69	54.7008
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	10.1936
C	1,444	x	31%	x	0.128	x	0.1	x	(1 - 96%) =	0	\$9.49	\$2.18	1.79056
D	4,204	x	46%	x	0.128	x	0.1	x	(1 - 96%) =	1	\$14.93	\$14.78	7.73536
Fire and Rescue													
Category A	10,411	x	89%	x	0.5	x	0.1	x	(1 - 71%) =	134	\$17.16	\$2,305.51	268.70791
B	857	x	86%	x	0.5	x	0.1	x	(1 - 71%) =	11	\$15.45	\$165.11	21.37358
D	2,158	x	92%	x	0.5	x	0.1	x	(1 - 71%) =	29	\$11.61	\$334.23	57.57544
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	36.83424
C	459	x	30%	x	0.128	x	0.1	x	(1 - 39%) =	1	\$9.49	\$10.20	8.3997
D	3,793	x	31%	x	0.128	x	0.1	x	(1 - 39%) =	9	\$14.39	\$132.11	71.72563
Lifesaving													
Category A	457	x	76%	x	0.5	x	0.1	x	(1 - 50%) =	9	\$17.16	\$149.00	17.366
Schools													
Category A	6,321	x	30%	x	0.5	x	0.1	x	(1 - 0%) =	95	\$14.09	\$1,335.94	189.63
D	6,321	x	30%	x	0.5	x	0.1	x	(1 - 0%) =	95	\$11.61	\$1,100.80	189.63
Waste Removal													
Category A	50	x	30%	x	0.5	x	0.1	x	(1 - 50%) =	0	<u>\$11.61</u>	\$4.35	0.75
										11,402		\$213,179.60	41,445

Table 6

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

Hours = 3,393
 # 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

Table 6

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

Table 6

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 = 1,618

#12 = \$30,326

HOURS = # 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.

									HOURS	#12	
Office of the Physicians											
Category A	179,493	*	(1 - 73%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 27%)	=	123 \$ 3,683
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
C	43,075	*	(1 - 44%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 19%)	=	67.8 \$ 654
Nursing Homes											
Category A	35,746	*	(1 - 38%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 31%)	=	53.00 \$ 651
C	5,002	*	(1 - 31%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 31%)	=	8.26 \$ 80
D	4,636	*	(1 - 30%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 31%)	=	7.77 \$ 75
Hospitals											
Category A	254,449	*	(1 - 77%)	*	0.128	*	(50% * 1.25% + 50% x 5%)	x	(1 - 76%)	=	56.18 \$ 960
B	34,579	*	(1 - 77%)	*	0.128	*	(50% * 1.25% + 50% x 5%)	x	(1 - 76%)	=	7.64 \$ 134
C	30,799	*	(1 - 62%)	*	0.128	*	(50% * 1.25% + 50% x 5%)	x	(1 - 76%)	=	11.24 \$ 109
Medical and Dental Labs											
Category A	5,177	*	(1 - 79%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 86%)	=	0.53 \$ 11
C	-	*	(1 - 38%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 86%)	=	0.00 \$ -
D	487	*	(1 - 30%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 86%)	=	0.17 \$ 2
Home Health Care											
Category A	6,244	*	(1 - 52%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 67%)	=	3.43 \$ 41
C	-	*	(1 - 30%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 67%)	=	0.00 \$ -
D	2,575	*	(1 - 84%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 67%)	=	0.47 \$ 6
Hospices											
Category A	684	*	(1 - 58%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 60%)	=	0.40 \$ 5
C	-	*	(1 - 82%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 60%)	=	0.00 \$ -
D	215	*	(1 - 30%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 60%)	=	0.21 \$ 2
Hemodialysis											
Category A	4,684	*	(1 - 92%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 93%)	=	0.1 \$ 2
C	477	*	(1 - 68%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 93%)	=	0.0 \$ 0

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

Table 7

Hours = 1,618

#12 = \$30,326	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%	)	=	0.0	\$	1
C	-	*	(	1	-	100%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	77%	)	=	0.0	\$	-
D	-	*	(	1	-	30%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	77%	)	=	0.0	\$	-
Government Clinics																													
Category A	16,013	*	(	1	-	73%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	27%	)	=	10.95	\$	323
C	0.00	*	(	1	-	55%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	27%	)	=	0.0	\$	-
D	0.00	*	(	1	-	87%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	27%	)	=	0.0	\$	-
Blood/Plasma/Tissue Centers																													
Category A	6,453	*	(	1	-	65%	)	*	0.128	*	(	50%	*	10.00%	+	50%	x	5%	)	x	(	1	-	66%	)	=	7.37	\$	129
C	139	*	(	1	-	44%	)	*	0.128	*	(	50%	*	10.00%	+	50%	x	5%	)	x	(	1	-	66%	)	=	0.25	\$	2
D	197	*	(	1	-	71%	)	*	0.128	*	(	50%	*	10.00%	+	50%	x	5%	)	x	(	1	-	66%	)	=	0.19	\$	2
Residential Care																													
Category A	4,850	*	(	1	-	64%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	39%	)	=	3.7	\$	48
C	388	*	(	1	-	30%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	39%	)	=	0.6	\$	6
D	2,571	*	(	1	-	73%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	39%	)	=	1.5	\$	17
Personnel Services																													
Category A	2,993	*	(	1	-	38%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	83%	)	=	4.27	\$	64
D	0.00	*	(	1	-	30%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	0%	)	=	0.00	\$	0.00
Funeral Services																													
Category A	11,735	*	(	1	-	67%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	31%	)	=	36.21	\$	631
C	0.00	*	(	1	-	30%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	31%	)	=	0.00	\$	0.00
D	0.00	*	(	1	-	64%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	31%	)	=	0.00	\$	0.00
Health Units in Industry																													
Category A	186,835	*	(	1	-	60%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	2%	)	=	992.39	\$	14,975
B	0.00	*	(	1	-	42%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	2%	)	=	0.00	\$	0.00
D	0.00	*	(	1	-	30%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	2%	)	=	0.00	\$	0.00
Research Labs																													
Category A	494	*	(	1	-	81%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	70%	)	=	0.4	\$	7
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%	)	=	2.8	\$	28
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%	)	=	1.0	\$	18
D	2,464	*	(	1	-	30%	)	*	0.500	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	26%	)	=	17.3	\$	296
Law Enforcement																													
Category A	18,993	*	(	1	-	42%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	96%	)	=	1.5	\$	23
B	2,770	*	(	1	-	92%	)	*	0.128	*	(	50%	*	0.42%	+	50%	x	5%	)	x	(	1	-	96%	)	=	0.0	\$	1
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%	)	=	0.3	\$	5
Fire and Rescue																													

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

Table 7

Hours = 1,618

#12 = \$30,826	10,411	*	(1 - 89%)	*	0.500	*	(50% * 0.42% + 50% x 5%)	x	(1 - 71%)	=	4.5	\$	77
Category A													
	B		(1 - 86%)		0.500		(50% * 0.42% + 50% x 5%)		x		(1 - 71%)		= 0.5 \$ 7
	D		(1 - 92%)		0.500		(50% * 0.42% + 50% x 5%)		x		(1 - 71%)		= 0.7 \$ 8
Correctional Facilities													
Category A	3,034	*	(1 - 54%)	*	0.128	*	(50% * 0.42% + 50% x 5%)	x	(1 - 39%)	=	2.95	\$	45
	B		(1 - 32%)		0.128		(50% * 0.42% + 50% x 5%)		x		(1 - 39%)		= 2.7 \$ 33
	C		(1 - 30%)		0.128		(50% * 0.42% + 50% x 5%)		x		(1 - 39%)		= 0.7 \$ 6
	D		(1 - 31%)		0.128		(50% * 0.42% + 50% x 5%)		x		(1 - 39%)		= 5.5 \$ 83
Lifesaving													
Category A	457	*	(1 - 78%)	*	0.500	*	(50% * 0.42% + 50% x 5%)	x	(1 - 50%)	=	0.7	\$	12
Schools													
Category A	6,321	*	(1 - 30%)	*	0.500	*	(50% * 0.42% + 50% x 5%)	x	(1 - 0%)	=	60	\$	845
	D		(1 - 30%)		0.500		(50% * 0.42% + 50% x 5%)		x		(1 - 0%)		= 60 \$ 696
Waste Removal													
Category A	50	*	(1 - 30%)	*	0.500	*	(50% * 0.42% + 50% x 5%)	x	(1 - 50%)	=	0.2	\$	3
											1,622	\$	26,254

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 RRS + % 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 12	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
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

Table 8

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 C	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	457	x (1 - 76%)	24%	x	\$ 30.00	x (	(50%	x	0.42%	+	50%	x	5%)	x	(1 - 50%)	50%	=		\$	41	
Schools																						
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	3401

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	4684	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	15013	x	73%	x	10%	x	4%	x	0.128	x	(	50%	x	0.42%	+	50%	x	5%	)	x	(1-25%)	75%	=	0.1140	\$	3.42	0.89101
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
Dialysis/Plasma/Tissue Centers																											
Category A	6453	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	497	x	71%	x	10%	x	4%	x	0.128	x	(	50%	x	0.42%	+	50%	x	5%	)	x	(1-58%)	42%	=	0.0021	\$	0.06	0.01607
Residential Care																											
Category A	4850	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	2571	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	2993	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	11735	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	3000	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	2464	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	18933	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	2770	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	1444	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	4204	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	10411	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	2158	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	3034	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	1887	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	3793	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	6321	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	6321	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	\$	347.25	57		
TOTAL COSTS																											

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

											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	(	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	

TABLE 10

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

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	
Fire and Rescue																			
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	
Correctional Facilities																			
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%) =	0.0000	\$	-	0	
Livesaving																			
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	
Schools																			
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	
Waste Removal																			
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															34.10	\$	761	\$ 26,919	63319
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 #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.

						<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 rate)

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>	Responses	
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

HIV Antibody Test

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	1,235,730 x	22.80% x (1 - 29%) x 2		400,080	\$10,298,056	200,040
C	8,900 x	31.60% x (1 - 82%) x 2		1,012	\$26,060	506
D	88,993 x	21.80% x (1 - 0%) x 2		38,801	\$998,736	19,400
Office of Dentists						
Category A	447,221 x	26.80% x (1 - 33%) x 2		160,606	\$4,447,725	80,303
C	4,286 x	31.60% x (1 - 15%) x 2		2,303	\$63,776	1,151
Nursing Homes						
Category A	708,575 x	49.90% x (1 - 38%) x 2 / 5		87,688	\$2,574,792	219,219
C	45,715 x	31.60% x (1 - 44%) x 2 / 5		3,236	\$95,015	8,090
D	7,619 x	31.60% x (1 - 21%) x 2 / 5		761	\$22,340	1,902
Hospitals						
Category A	2,341,537 x	27.20% x (1 - 42%) x 2 / 5		147,760	\$5,082,328	369,401
B	200,068 x	21.80% x (1 - 39%) x 2 / 5		10,642	\$366,040	26,605
C	311,217 x	31.60% x (1 - 37%) x 2 / 5		24,783	\$852,424	61,957
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	213,361 x	36.30% x (1 - 30%) x 2		108,430	\$3,609,801	54,215
C	3,154 x	31.60% x (1 - 32%) x 2		1,355	\$45,125	678
D	6,623 x	36.30% x (1 - 29%) x 2		3,414	\$113,659	1,707
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	4,964 x	25.20% x	(1 - 40%) x	2	1,501	\$126,225	751
C	87 x	31.60% x	(1 - 37%) x	2	35	\$2,913	17
D	230 x	21.80% x	(1 - 40%) x	2	60	\$5,063	30
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	71,381 x	49.60% x	(1 - 34%) x	2	46,735	\$4,319,424	23,367
C	1,971 x	31.60% x	(1 - 22%) x	2	972	\$77,434	486
D	11,697 x	36.30% x	(1 - 24%) x	2	6,454	\$606,693	3,227
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 Schools	5,000 x	21.80% x (1 - 25%) x	2	1,635	\$57,225	818
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				1,495,569	\$48,507,445	1,286,048

Table 17

Retraining of In-Service Employees

Hours = 1,203,667
 #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

Table 17

Retraining of In-Service Employees								
D (0.50 * 782 * 70%) + (1 * 782 * (1 - 70%)) =					508	\$	17,791	782
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

Table 17

Retraining of In-Service Employees	B (	0.50 *	38 *	10% ) + (	1 *	38 *	(	1 -	10%)) =	36	\$	1,260	38
	C (	0.50 *	87 *	85% ) + (	1 *	87 *	(	1 -	85%)) =	50	\$	1,756	87
	D (	0.50 *	1,034 *	65% ) + (	1 *	1,034 *	(	1 -	65%)) =	698	\$	24,430	1,034
Fire and Rescue													
Category A	(	0.50 *	3,796 *	77% ) + (	1 *	3,796 *	(	1 -	77%)) =	2,334	\$	81,699	3,796
	B (	0.50 *	4,547 *	23% ) + (	1 *	4,547 *	(	1 -	23%)) =	4,024	\$	140,845	4,547
	D (	0.50 *	59 *	66% ) + (	1 *	59 *	(	1 -	66%)) =	40	\$	1,384	59
Correctional Facilities													
Category A	(	0.50 *	279 *	36% ) + (	1 *	279 *	(	1 -	36%)) =	229	\$	8,018	279
	B (	0.50 *	2,763 *	31% ) + (	1 *	2,763 *	(	1 -	31%)) =	2,335	\$	81,709	2,763
	C (	0.50 *	242 *	77% ) + (	1 *	242 *	(	1 -	77%)) =	149	\$	5,218	242
	D (	0.50 *	723 *	82% ) + (	1 *	723 *	(	1 -	82%)) =	427	\$	14,928	723
Lifesaving													
Category A	(	0.50 *	100 *	25% ) + (	1 *	100 *	(	1 -	25%)) =	88	\$	3,063	100
Schools													
Category A	(	0.50 *	6,321 *	0% ) + (	1 *	6,321 *	(	1 -	0%)) =	6,321	\$	221,235	6,321
	D (	0.50 *	6,321 *	0% ) + (	1 *	6,321 *	(	1 -	0%)) =	6,321		221,235	6,321
Waste Removal													
Category A	(	0.50 *	50 *	50% ) + (	1 *	50 *	(	1 -	50%)) =	38	\$	1,313	50
Total =										1,203,667	\$	42,128,418	1,462,875

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	(((1,235,730 x 0.17) + (269,366 x 0.25))	22.80%] + [179,493 x (0.083 + 0.25)] =		123,022	\$2,334,956	522,655
C	(((8,900 x 0.17) + (1,447 x 0.25))	31.60%] + [0 x (0.083 + 0.25)] =		592	\$11,244	3,270
D	(((88,993 x 0.17) + (15,740 x 0.25))	21.80%] + [0 x (0.083 + 0.25)] =		4,156	\$78,879	22,832
Office of Dentists						
Category A	(((447,221 x 0.17) + (87,580 x 0.25))	26.80%] + [279,485 x (0.083 + 0.25)] =		119,312	\$2,264,537	422,812
C	(((4,286 x 0.17) + (814 x 0.25))	31.60%] + [43,075 x (0.083 + 0.25)] =		14,639	\$277,839	44,687
Nursing Homes						
Category A	(((708,575 x 0.17) + (169,421 x 0.25))	49.90%] + [35,746 x (0.083 + 0.25)] =		93,147	\$1,767,932	473,866
C	(((45,715 x 0.17) + (12,848 x 0.25))	31.60%] + [5,002 x (0.083 + 0.25)] =		5,136	\$97,490	23,508
D	(((7,619 x 0.17) + (1,183 x 0.25))	31.60%] + [4,636 x (0.083 + 0.25)] =		2,047	\$38,843	7,417
Hospitals						
Category A	(((2,341,537 x 0.17) + (655,817 x 0.25))	27.20%] + [254,449 x (0.083 + 0.25)] =		237,600	\$4,509,643	1,069,729
B	(((200,068 x 0.17) + (65,866 x 0.25))	21.80%] + [34,579 x (0.083 + 0.25)] =		22,519	\$427,411	92,553
C	(((311,217 x 0.17) + (56,581 x 0.25))	31.60%] + [30,799 x (0.083 + 0.25)] =		31,445	\$596,817	147,023
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	(((213,361 x 0.17) + (75,334 x 0.25))	36.30%] + [6,244 x (0.083 + 0.25)] =		22,082	\$419,123	111,040
C	(((3,154 x 0.17) + (792 x 0.25))	31.60%] + [0 x (0.083 + 0.25)] =		232	\$4,403	1,247
D	(((6,623 x 0.17) + (1,890 x 0.25))	36.30%] + [2,575 x (0.083 + 0.25)] =		1,438	\$27,288	5,665
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	(((4,964 x 0.17) + (4,224 x 0.25))	25.50%] + [4,684 x (0.083 + 0.25)] =	2,044	\$38,800	7,027
C	(((87 x 0.17) + (39 x 0.25))	31.60%] + [477 x (0.083 + 0.25)] =	167	\$3,162	517
D	(((230 x 0.17) + (166 x 0.25))	21.80%] + [141 x (0.083 + 0.25)] =	65	\$1,225	227
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	(((71,381 x 0.17) + (47,501 x 0.25))	49.60%] + [4,850 x (0.083 + 0.25)] =	13,524		
C	(((1,971 x 0.17) + (1,077 x 0.25))	31.60%] + [388 x (0.083 + 0.25)] =	320	\$6,077	1,351
D	(((11,697 x 0.17) + (7,050 x 0.25))	36.30%] + [2,571 x (0.083 + 0.25)] =	2,218	\$42,093	9,376
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			906,682	\$16,952,136	3,860,787

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	1,235,730 x (1 + 22.80% / 2 x)	0.017 =	23,402	\$444,175	1376604
C	8,900 x (1 + 31.60% / 2 x)	0.017 =	175	\$3,325	10306
D	88,993 x (1 + 21.80% / 2 x)	0.017 =	1,678	\$31,844	98693
Office of Dentists					
Category A	447,221 x (1 + 26.80% / 2 x)	0.017 =	8,622	\$163,637	507149
C	4,286 x (1 + 31.60% / 2 x)	0.017 =	84	\$1,601	4963
Nursing Homes					
Category A	708,575 x (1 + 49.90% / 2 x)	0.017 =	15,051	\$285,672	885365
C	45,715 x (1 + 31.60% / 2 x)	0.017 =	900	\$17,081	52937
D	7,619 x (1 + 31.60% / 2 x)	0.017 =	150	\$2,847	8823
Hospitals					
Category A	2,341,537 x (1 + 27.20% / 2 x)	0.017 =	45,220	\$858,271	2659986
B	200,068 x (1 + 21.80% / 2 x)	0.017 =	3,772	\$71,590	221875
C	311,217 x (1 + 31.60% / 2 x)	0.017 =	6,127	\$116,283	360389
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	213,361 x (1 + 36.30% / 2 x)	0.017 =	4,285	\$81,338	252086
C	3,154 x (1 + 31.60% / 2 x)	0.017 =	62	\$1,178	3652
D	6,623 x (1 + 36.30% / 2 x)	0.017 =	133	\$2,525	7825
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	4,964	x (1 + 25.50% / 2 x)	0.017 =	95	\$1,806	5597
C	87	x (1 + 31.60% / 2 x)	0.017 =	2	\$33	101
D	230	x (1 + 21.80% / 2 x)	0.017 =	4	\$82	255

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	71,381	x (1 + 49.60% / 2 x)	0.017 =	1,514	\$28,744	89084
C	1,971	x (1 + 31.60% / 2 x)	0.017 =	39	\$736	2283
D	11,697	x + 36.30% / 2 x)	0.017 =	36	\$685	2123

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 + 21.80% / 2 x)	0.017 =	963	\$18,269	56619
C	2,721	x (1 + 31.60% / 2 x)	0.017 =	54	\$1,017	3151
D	3,238	x (1 + 31.60% / 2 x)	0.017 =	64	\$1,210	3750

Health Units in Industry

Category A	34,184	x (1 + 31.70% / 2 x)	0.017 =	673	\$12,778	39602
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
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Medical Equipment Repair

Category A	473	x (1 + 38.30% / 2 x)	0.017 =	10	\$182	564
B	200	x (1 + 38.30% / 2 x)	0.017 =	4	\$77	238
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 + 31.60% / 2 x)	0.017 =	52	\$978	3030
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 + 38.30% / 2 x)	0.017 =	6	\$109	339

Correctional Facilities

Category A	8,381	x (1 + 31.70% / 2 x)	0.017 =	165	\$3,133	9709
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
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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
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TOTALS

138,017 \$2,619,565 8,118,654