

**Exposure Control Plan**

**TABLE 1**

**Hours** = # of Establishments x Time

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

**Assumptions:**

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

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

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

**Responses**

**632,326**

Hepatitis B Vaccination (Employee Time)

TABLE 2

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

Assumptions

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

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

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

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

TABLE 2

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

TABLE 2

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

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

**Table 3**

Hepatitis B Vaccination (Health Care Professional Time)

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

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

Assumptions:

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

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

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

Wage Rate for Health Care Professional is \$35.00

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

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

Fire and Rescue

Category A	113,866	x	34%	x	68%	x	\$218	x	12.9%	740,335	\$740,335
B	136,412	x	44%	x	69%	x	\$218	x	22.5%	2,031,390	\$2,031,390
D	1,770	x	31%	x	73%	x	\$128	x	7.8%	3,999	\$3,999

Correctional Facilities

Category A	8,381	x	79%	x	42%	x	0.5	x	19.5%	271	\$9,490	542
B	82,883	x	97%	x	30%	x	0.25	x	12.9%	778	\$27,224	3111
C	7,273	x	90%	x	30%	x	0.25	x	17.7%	87	\$3,041	348
D	21,687	x	98%	x	30%	x	0.25	x	7.8%	124	\$4,352	497

Lifesaving

Category A	5,000	x	75%	x	68%	x	\$218	x	12.9%	71,711	\$71,711
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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%	114,912	\$114,912
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Totals

<b>Total</b>	<b>6,608,360</b>	<b>\$7,391,790</b>	<b>\$3,650,303</b>	<b>221,275</b>
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Table 4

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

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

Assumptions:

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

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

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

and 0.8% for all other sectors

Unit cost of HIV antibody test = \$20

Unit cost of confirmatory test = \$30

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



Table 5

HBV Antibody Testing for Vaccinated Workers (Employee Time)

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

Assumptions:

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

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

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

10% of vaccinated employees will receive tests.

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

Table 5

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

Table 6

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

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

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

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

**Assumptions:**

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

							Hours	Item 12 Cost	#13 Cost	Responses		
<b>Office of Physicians</b>												
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	-
<b>Office Of Dentists</b>												
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
<b>Nursing Homes</b>												
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
<b>Hospitals</b>												
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
<b>Medical and Dental Labs</b>												
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
<b>Home Health</b>												
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
<b>Hospices</b>												
Category A	684	x	58%	x	0.083	x	0.1	x	(1 - 60%) = 40%	1	\$46	16
C	0	x	82%	x	0.083	x	0.1	x	(1 - 60%) = 40%	-		-
D	215	x	30%	x	0.083	x	0.1	x	(1 - 60%) = 40%	0	\$7	3
<b>Hemodialysis</b>												
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
<b>Drug Rehabilitation</b>												
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

<b>Government Clinics</b>												
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%	-		-
<b>Blood/Plasma/Tissue Centers</b>												
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
<b>Residential Care</b>												
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
<b>Personnel Services</b>												
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	
<b>Funeral Services</b>												
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	
<b>Health Units in Industry</b>												
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	
<b>Research Labs</b>												
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	
<b>Linen Services</b>												
Category D	3,000	x	30%	x	\$30.00	x	0.1	x	(1 - 90%) = 10%		\$270	
<b>Medical Equipment Repair</b>												
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	
<b>Law Enforcement</b>												
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
<b>Fire and Rescure</b>												
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	
<b>Correctional Facilities</b>												
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



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

**Table 7**

Hours = 1,622

#12 = \$26,254

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

**ASSUMPTIONS:**

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

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

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

**Table 7**

Hours = 1,622

#12 = \$26,254

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

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

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

**Table 7**

1,622 \$ 26,254 5,809



Table 8

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

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

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

**Assumptions**

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

														Hours	Cost 12	Cost Item#13	Responses	
<b>Office of Physicians</b>																		
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
<b>Office Of Dentists</b>																		
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
<b>Nursing Homes</b>																		
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
<b>Hospitals</b>																		
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
<b>Medical and Dental Labs</b>																		
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
<b>Home Health</b>																		
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
<b>Hospices</b>																		
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

														<b>Table 8</b>			
<b>Hemodialysis</b>																	
<b>Category A</b>	4,684	x (1 - 92%)	8%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 93%)	7%	=	0			1
<b>C</b>	477	x (1 - 58%)	42%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 93%)	7%	=	0			0
<b>D</b>	141	x (1 - 81%)	19%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 93%)	7%	=	0			0
<b>Drug Rehabilitation</b>																	
<b>Category A</b>	283	x (1 - 78%)	22%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 77%)	23%	=	0			0
<b>C</b>	0	x (1 - 100%)	100%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 77%)	23%	=	0			0
<b>D</b>	0	x (1 - 30%)	70%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 77%)	23%	=	0			0
<b>Government Clinics</b>																	
<b>Category A</b>	16,013	x (1 - 73%)	27%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 27%)	73%	=	7	\$229		79
<b>C</b>	0	x (1 - 55%)	45%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 27%)	73%	=	0			0
<b>D</b>	0	x (1 - 87%)	13%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 27%)	73%	=	0			0
<b>Blood/Plasma/Tissue Centers</b>																	
<b>Category A</b>	6,453	x (1 - 65%)	35%	x	0.083	x (50%)	x (0.10%)	+	50%	x (5%)	x (1 - 66%)	34%	=	2	\$56		19
<b>C</b>	139	x (1 - 44%)	56%	x	0.083	x (50%)	x (0.10%)	+	50%	x (5%)	x (1 - 66%)	34%	=	0			1
<b>D</b>	197	x (1 - 51%)	49%	x	0.083	x (50%)	x (0.10%)	+	50%	x (5%)	x (1 - 66%)	34%	=	0			1
<b>Residential Care</b>																	
<b>Category A</b>	4,850	x (1 - 64%)	36%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 39%)	61%	=	2	\$77		27
<b>C</b>	388	x (1 - 30%)	70%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 39%)	61%	=	0			4
<b>D</b>	2,571	x (1 - 73%)	27%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 39%)	61%	=	1	\$31		11
<b>Personnel Services</b>																	
<b>Category A</b>	2,993	x (1 - 38%)	62%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 83%)	17%	=		\$ 237		
<b>D</b>	0	x (1 - 30%)	70%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 0%)	100%	=		\$ -		
<b>Funeral Services</b>																	
<b>Category A</b>	11,735	x (1 - 67%)	33%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 31%)	69%	=		\$ 2,004		
<b>C</b>	0	x (1 - 30%)	70%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 31%)	69%	=		\$ -		
<b>D</b>	0	x (1 - 64%)	36%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 31%)	69%	=		\$ -		
<b>Health Units in Industry</b>																	
<b>Category A</b>	186,835	x (1 - 60%)	40%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 2%)	98%	=		\$ 54,929		
<b>B</b>	0	x (1 - 42%)	58%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 2%)	98%	=		\$ -		
<b>C</b>	0	x (1 - 30%)	70%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (6%)	x (1 - 2%)	98%	=		\$ -		
<b>Research Labs</b>																	
<b>Category A</b>	494	x (1 - 81%)	19%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 70%)	30%	=		\$ 21		
<b>C</b>	0	x (1 - 45%)	55%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (6%)	x (1 - 70%)	30%	=		\$ -		
<b>D</b>	0	x (1 - 81%)	19%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (6%)	x (1 - 70%)	30%	=		\$ -		
<b>Linen Services</b>																	
<b>Category I</b>	3,000	x (1 - 30%)	70%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 90%)	10%	=		\$ 158		
<b>Medical Equipment Repair</b>																	
<b>Category A</b>	0	x (1 - 41%)	59%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 26%)	74%	=		\$ -		
<b>B</b>	0	x (1 - 37%)	63%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 26%)	74%	=		\$ -		
<b>C</b>	161	x (1 - 36%)	64%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 26%)	74%	=		\$ 57		
<b>D</b>	2,464	x (1 - 30%)	70%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 26%)	74%	=		\$ 957		
<b>Law Enforcement</b>																	
<b>Category A</b>	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>B</b>	2,770	x (1 - 92%)	8%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 96%)	4%	=	0			0
<b>C</b>	1,444	x (1 - 31%)	69%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 96%)	4%	=	0			1
<b>D</b>	4,204	x (1 - 46%)	54%	x	0.083	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 96%)	4%	=	0			2
<b>Fire and Rescure</b>																	
<b>Category A</b>	10,411	x (1 - 89%)	11%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 71%)	29%	=		\$ 249		
<b>B</b>	857	x (1 - 86%)	14%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 71%)	29%	=		\$ 26		
<b>D</b>	2,158	x (1 - 92%)	8%	x	\$ 30.00	x (50%)	x (0.42%)	+	50%	x (5%)	x (1 - 71%)	29%	=		\$ 38		
<b>Correctional Facilities</b>																	
<b>Category A</b>	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>B</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	
<b>C</b>	459	x (1 - 30%)	70%	x	0.083	x (	(50%	x	0.42%	+ 50%	x	5% )	x	(1 - 30%)	70%	=	0		6	
<b>D</b>	3,793	x (1 - 31%)	69%	x	0.083	x (	(50%	x	0.42%	+ 50%	x	5% )	x	(1 - 30%)	70%	=	4	\$133	46	
<b>Lifesaving Category A Schools</b>	457	x (1 - 76%)	24%	x	\$ 30.00	x (	(50%	x	0.42%	+ 50%	x	5% )	x	(1 - 50%)	50%	=		\$ 41		
<b>Category A</b>	6,321	x (1 - 30%)	70%	x	\$ 30.00	x (	(50%	x	0.42%	+ 50%	x	5% )	x	(1 - 0%)	100%	=		\$ 3,319		
<b>D</b>	6,321	x (1 - 30%)	70%	x	\$ 30.00	x (	(50%	x	0.42%	+ 50%	x	5% )	x	(1 - 0%)	100%	=		\$ 3,319		
<b>Waste Removal Category D</b>	50	x (1 - 30%)	70%	x	\$ 30.00	x (	(50%	x	0.42%	+ 50%	x	5% )	x	(1 - 50%)	50%	=		\$ 13		
<b>TOTALS</b>																	<b>282</b>	<b>\$9,792</b>	<b>\$ 65,367</b>	<b>3,400.71</b>

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

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

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

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TABLE 10

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

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

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

ASSUMPTIONS:

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

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

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

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

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

%Cost of HBIG = \$211

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

TABLE 10

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

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

TABLE 10

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

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



TABLE 11

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

ASSUMPTIONS

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

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

TABLE 11

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

TABLE 11

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

TABLE 11

TABLE 11

TABLE 11

**Table #12**

HBIG: Non Vaccinated Workers (Health Care Professional)

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

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

**ASSUMPTIONS:**

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

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

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

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

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

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

\*COST of HBIG = \$211.

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

Table #12

HBIG: Non Vaccinated Workers (Health Care Professional)

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



**Table #12**

HBIG: Non Vaccinated Workers (Health Care Professionals)	C	161	*	( 1 - 36% )	*	22%	*	\$211	*	[ ( 50% * 0.42% ) + ( 50% * 5% ) ]	*	( 1 - 26% )	=	\$	96	0	
	D	2,464	*	( 1 - 30% )	*	22%	*	\$211	*	[ ( 50% * 0.42% ) + ( 50% * 5% ) ]	*	( 1 - 26% )	=	\$	1,606	8	
<b>Law Enforcement</b>																	
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	
<b>Fire and Rescue</b>																	
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	
<b>Correctional Facilities</b>																	
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	
<b>Lifesaving</b>																	
Category A		457	*	( 1 - 78% )	*	22%	*	\$211	*	[ ( 50% * 0.42% ) + ( 50% * 5% ) ]	*	( 1 - 50% )	=	\$	63	0	
<b>Schools</b>																	
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	
<b>Waste Removal</b>																	
Category A		50	*	( 1 - 30% )	*	22%	*	\$211	*	[ ( 50% * 0.42% ) + ( 50% * 5% ) ]	*	( 1 - 50% )	=	\$	22	0	
														<b>Total =</b>	<b>59 \$ 1,159</b>	<b>\$ 99,024</b>	<b>1,260</b>

TABLE 13

HIV Antibody Tests (Employee Time)

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

Assumptions:

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

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

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

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

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

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

TABLE 13

HIV Antibody Tests (Employee Time)  
rate)

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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	
<b>Totals</b>						<b>TOTAL =</b>	<b>82,118</b>	<b>\$ 2,874,140</b>	<b>6,161,339</b>	<b>162,777</b>

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
<b>Totals</b>							<b>TOTAL =</b>	<b>= 551,729</b>	<b>\$ 15,984,943 631370.1</b>

Table 16

Annual Burden Hours for Initial Training of New Hires

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

Assumptions:

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

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

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

Table 17

Retraining of In-Service Employees

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

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

Assumptions

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

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



Table 17

## Retraining of In-Service Employees

## Drug Rehabilitation

Category A (	0.50 *	744 *	70% ) + ( 1 *	744 *	( 1 - 70% ) ) =	484 \$	16,926	744
C (	0.50 *	744 *	82% ) + ( 1 *	744 *	( 1 - 82% ) ) =	439 \$	15,384	744
D (	0.50 *	744 *	5% ) + ( 1 *	744 *	( 1 - 5% ) ) =	725 \$	25,389	744

## Government Clinics

Category A (	0.50 *	10,893 *	34% ) + ( 1 *	10,893 *	( 1 - 34% ) ) =	9,041 \$	316,442	10,893
C (	0.50 *	10,893 *	55% ) + ( 1 *	10,893 *	( 1 - 55% ) ) =	7,897 \$	276,410	10,893
D (	0.50 *	10,893 *	0% ) + ( 1 *	10,893 *	( 1 - 0% ) ) =	10,893 \$	381,255	10,893

## Blood/Plasma/Tissue Centers

Category A (	0.50 *	730 *	62% ) + ( 1 *	730 *	( 1 - 62% ) ) =	504 \$	17,630	730
C (	0.50 *	730 *	40% ) + ( 1 *	730 *	( 1 - 40% ) ) =	584 \$	20,440	730
D (	0.50 *	730 *	58% ) + ( 1 *	730 *	( 1 - 58% ) ) =	518 \$	18	730

## Residential Care

Category A (	0.50 *	2,425 *	77% ) + ( 1 *	2,425 *	( 1 - 77% ) ) =	1,491 \$	52,198	2,425
C (	0.50 *	2,425 *	61% ) + ( 1 *	2,425 *	( 1 - 61% ) ) =	1,685 \$	58,988	2,425
D (	0.50 *	2,425 *	89% ) + ( 1 *	2,425 *	( 1 - 89% ) ) =	1,346 \$	47,106	2,425

## Personnel Services

Category A (	0.50 *	2,046 *	65% ) + ( 1 *	2,046 *	( 1 - 65% ) ) =	1,381 \$	48,242	2,046
D (	0.50 *	3,403 *	10% ) + ( 1 *	3,403 *	( 1 - 10% ) ) =	3,403 \$	119,105	3,403

## Funeral Services

Category A (	0.50 *	19,890 *	41% ) + ( 1 *	19,890 *	( 1 - 41% ) ) =	15,813 \$	553,439	19,890
C (	0.50 *	19,890 *	8% ) + ( 1 *	19,890 *	( 1 - 8% ) ) =	19,094 \$	668,304	19,890
D (	0.50 *	19,890 *	51% ) + ( 1 *	19,890 *	( 1 - 51% ) ) =	14,818 \$	518,632	19,890

## Health Units in Industry

Category A (	0.50 *	202,540 *	56% ) + ( 1 *	202,540 *	( 1 - 56% ) ) =	145,829 \$	5,104,008	202,540
B (	0.50 *	202,540 *	8% ) + ( 1 *	202,540 *	( 1 - 8% ) ) =	194,438 \$	6,805,344	202,540
D (	0.50 *	202,540 *	29% ) + ( 1 *	202,540 *	( 1 - 29% ) ) =	173,172 \$	6,061,010	202,540

## Research Labs

Category A (	0.50 *	1,453 *	38% ) + ( 1 *	1,453 *	( 1 - 38% ) ) =	1,177 \$	41,193	1,453
C (	0.50 *	1,453 *	42% ) + ( 1 *	1,453 *	( 1 - 42% ) ) =	1,148 \$	40,175	1,453
D (	0.50 *	1,453 *	0% ) + ( 1 *	1,453 *	( 1 - 0% ) ) =	1,453 \$	50,855	1,453

## Linen Service

D (	0.50 *	1,250 *	90% ) + ( 1 *	1,250 *	( 1 - 90% ) ) =	688 \$	24,063	1,250
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## Medical Equipment Repair

Category A (	0.50 *	1,076 *	61% ) + ( 1 *	1,076 *	( 1 - 61% ) ) =	748 \$	26,174	1,076
B (	0.50 *	1,076 *	93% ) + ( 1 *	1,076 *	( 1 - 93% ) ) =	581 \$	20,336	1,076
C (	0.50 *	1,076 *	44% ) + ( 1 *	1,076 *	( 1 - 44% ) ) =	839 \$	29,375	1,076
D (	0.50 *	1,076 *	29% ) + ( 1 *	1,076 *	( 1 - 29% ) ) =	920 \$	32,199	1,076

## Law Enforcement

Category A (	0.50 *	10,226 *	46% ) + ( 1 *	10,226 *	( 1 - 46% ) ) =	7,874 \$	275,581	10,226
B (	0.50 *	38 *	10% ) + ( 1 *	38 *	( 1 - 10% ) ) =	36 \$	1,260	38

Table 17

Retraining of In-Service Employees									
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
<b>Office of the Physicians</b>						
Category A	((( 967,629 x 0.17 ) + ( 269,366 x 0.25 ) )	22.80% ] + [ 179,493 x ( 0.083 + 0.25 ) ] =		112,630	\$2,137,724	461,528
C	((( 6,969 x 0.17 ) + ( 1,447 x 0.25 ) )	31.60% ] + [ 0 x ( 0.083 + 0.25 ) ] =		489	\$9,275	2,659
D	((( 69,685 x 0.17 ) + ( 15,740 x 0.25 ) )	21.80% ] + [ 0 x ( 0.083 + 0.25 ) ] =		3,440	\$65,298	18,623
<b>Office of Dentists</b>						
Category A	((( 359,662 x 0.17 ) + ( 87,580 x 0.25 ) )	26.80% ] + [ 279,485 x ( 0.083 + 0.25 ) ] =		115,323	\$2,188,822	399,346
C	((( 3,447 x 0.17 ) + ( 814 x 0.25 ) )	31.60% ] + [ 43,075 x ( 0.083 + 0.25 ) ] =		14,593	\$276,984	44,421
<b>Nursing Homes</b>						
Category A	((( 594,456 x 0.17 ) + ( 169,421 x 0.25 ) )	49.90% ] + [ 35,746 x ( 0.083 + 0.25 ) ] =		83,466	\$1,584,192	416,921
C	((( 38,352 x 0.17 ) + ( 12,848 x 0.25 ) )	31.60% ] + [ 5,002 x ( 0.083 + 0.25 ) ] =		4,741	\$89,983	21,181
D	((( 6,392 x 0.17 ) + ( 1,183 x 0.25 ) )	31.60% ] + [ 4,636 x ( 0.083 + 0.25 ) ] =		1,981	\$37,592	7,030
<b>Hospitals</b>						
Category A	((( 2,207,260 x 0.17 ) + ( 655,817 x 0.25 ) )	27.20% ] + [ 254,449 x ( 0.083 + 0.25 ) ] =		231,391	\$4,391,797	1,033,206
B	((( 188,595 x 0.17 ) + ( 65,866 x 0.25 ) )	21.80% ] + [ 34,579 x ( 0.083 + 0.25 ) ] =		22,094	\$419,341	90,051
C	((( 293,270 x 0.17 ) + ( 56,581 x 0.25 ) )	31.60% ] + [ 30,799 x ( 0.083 + 0.25 ) ] =		30,480	\$578,519	141,352
<b>Medical and Dental Labs</b>						
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
<b>Home Health</b>						
Category A	((( 202,946 x 0.17 ) + ( 75,334 x 0.25 ) )	36.30% ] + [ 6,244 x ( 0.083 + 0.25 ) ] =		21,440	\$406,924	107,260
C	((( 3,000 x 0.17 ) + ( 792 x 0.25 ) )	31.60% ] + [ 0 x ( 0.083 + 0.25 ) ] =		224	\$4,246	1,198
D	((( 6,300 x 0.17 ) + ( 1,890 x 0.25 ) )	36.30% ] + [ 2,575 x ( 0.083 + 0.25 ) ] =		1,418	\$26,909	5,548
<b>Hospices</b>						

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

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

**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

					<b>Hours</b>	<b>Cost</b>	<b>Responses</b>
<b>Office of Physicians</b>							
Category A	967,626	x ( 1 + 22.80% / 2 x )	0.017 =		18,325	\$347,807	1077935
C	6,969	x ( 1 + 31.60% / 2 x )	0.017 =		137	\$2,604	8070
D	69,685	x ( 1 + 21.80% / 2 x )	0.017 =		1,314	\$24,935	77281
<b>Office of Dentists</b>							
Category A	359,662	x ( 1 + 26.80% / 2 x )	0.017 =		6,934	\$131,599	407857
C	3,447	x ( 1 + 31.60% / 2 x )	0.017 =		68	\$1,288	3992
<b>Nursing Homes</b>							
Category A	594,456	x ( 1 + 49.90% / 2 x )	0.017 =		12,627	\$239,663	742773
C	38,352	x ( 1 + 31.60% / 2 x )	0.017 =		755	\$14,330	44412
D	6,392	x ( 1 + 31.60% / 2 x )	0.017 =		126	\$2,388	7402
<b>Hospitals</b>							
Category A	2,207,260	x ( 1 + 27.20% / 2 x )	0.017 =		42,627	\$809,053	2507447
B	188,595	x ( 1 + 21.80% / 2 x )	0.017 =		3,556	\$67,485	209152
C	293,370	x ( 1 + 31.60% / 2 x )	0.017 =		5,775	\$109,615	339722
<b>Medical and Dental Labs</b>							
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
<b>Home Health</b>							
Category A	202,946	x ( 1 + 36.30% / 2 x )	0.017 =		4,076	\$77,368	239781
C	3,000	x ( 1 + 31.60% / 2 x )	0.017 =		59	\$1,121	3474
D	6,300	x ( 1 + 36.30% / 2 x )	0.017 =		127	\$2,402	7443
<b>Hospices</b>							
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
<b>Hemodialysis</b>							
Category A	11,926	x ( 1 + 25.50% / 2 x )	0.017 =		229	\$4,339	13447
C	209	x ( 1 + 31.60% / 2 x )	0.017 =		4	\$78	242
D	553	x ( 1 + 21.80% / 2 x )	0.017 =		10	\$198	613
<b>Drug Rehabilitation</b>							
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
<b>Government Clinics</b>							
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
<b>Blood/Plasma/Tissue Centers</b>							
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
<b>Residential Care</b>							
Category A	41,211	x ( 1 + 49.60% / 2 x )	0.017 =		874	\$16,595	51431
C	1,138	x ( 1 + 31.60% / 2 x )	0.017 =		22	\$425	1318
D	6,753	x + 36.30% / 2 x )	0.017 =		21	\$395	1226

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