Hours	Item 12	Item 13	Responses
1,444,562.00	$77,515,196.92	NA	701,563

Exposure Control Plan

Hours = # of Establishments x Time

Cost = # Burden Hours x $47.36 (wage rate of an infection control practitioner)

Assumptions:

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

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

TABLE 1

	No. of Establishments		Hours per Facility	Burden Hours	No. 12	Responses	
Offices of Physicians	221,580	x	2	443,160.00	$ 23,779,965.60	221,580	
Offices of Dentists	136,550	x	2	273,100.00	$ 14,654,546.00	136,550	
Nursing Homes	20,792.00	x	2	41,584.00	$ 2,231,397.44	20,792	
Hospitals	6,906	x	8	55,248.00	$ 2,964,607.68	6,906	
Medical and Dental Labs	23,958	x	2	47,916.00	$ 2,571,172.56	23,958	
Home Health Care	11,237	x	2	22,474.00	$ 1,205,954.84	11,237	
Hospices	651	x	2	1,302.00	$ 69,865.32	651	
Hemodialysis	391	x	2	782.00	$ 41,962.12	391	
Drug Rehabilitation	744	x	2	1,488.00	$ 79,846.08	744	
Government Clinics	10,893	x	2	21,786.00	$ 1,169,036.76	10,893	
Blood/Plasma/Tissue Centers	1,573	x	2	3,146.00	$ 168,814.36	1,573	
Residential Care	13,240	x	2	26,480.00	$ 1,420,916.80	13,240	
Personnel Services	1,348	x	2	2,696.00	$ 144,667.36	1,348	
Funeral Services	20,739	x	2	41,478.00	$ 2,225,709.48	20,739	
Health Units in Industry	202,540	x	2	405,080.00	$ 21,736,592.80	202,540	
Research Labs	1,453	x	2	2,906.00	$ 155,935.96	1,453	
Linen Services	1,533	x	2	3,066.00	$ 164,521.56	1,533	
Medical Equipment Repair	1,076	x	2	2,152.00	$ 115,476.32	1,076	
Law Enforcement	7,780	x	2	15,560.00	$ 834,949.60	7,780	
Fire and Rescue	5,452	x	2	10,904.00	$ 585,108.64	5,452	
Correctional Facilities	4,656	x	2	9,312.00	$ 499,681.92	4,656	
Lifesaving	100	x	2	200.00	$ 10,732.00	100	
Schools	6,321	x	2	12,642.00	$ 678,369.72	6,321	
Waste Removal	50	x	2	100.00	$ 5,366.00	50	
Totals	**701,563.00**			**1,444,562.00**	**$77,515,196.92**	**701,563**	2.06

Hours	Item 12	Item 13	Responses
271,850.81	$13,883,008.25	NA	325,881

Hepatitis B Vaccination (Employee Time)
Hours = # of workers x (% non-vaccinated) x employee participation rate x employee time x occupational turnover rate

TABLE 2

Assumptions:
To receive the vaccination and post vaccination is 38 minutes (38/60 hour) for categories A and B; 23 minutes (23/60 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 (115/60 hour) for categories A and B; 100 minutes (100/60 hours) for Categories C and D.

Sector	Category	SectorCategory	Sector/Employment Category	Employees	% Non-Vaccinated	Employee Participation Rate	Employee Time (Hours)	Occupational Turnover Rate	Hours	Wage Rates	#12	Responses
Office of the Physicians		Office of the Physicians	Office of the Physicians									
Office of the Physicians	A	Office of the PhysiciansA	Category A	1,264,025	57%	52%	0.633333333	6.90%	16,372.51	$58.61	$ 959,592.74	25,851
Office of the Physicians	C	Office of the PhysiciansC	C	9,104	67%	33%	0.383333333	9.80%	75.62	$21.03	$ 1,590.20	197
Office of the Physicians	D	Office of the PhysiciansD	D	91,031	37%	65%	0.383333333	12.90%	1,082.60	$26.57	$ 28,764.76	2,824
Office of Dentists		Office of Dentists	Office of Dentists									
Office of Dentists	A	Office of DentistsA	Category A	490,298	33%	75%	0.633333333	1.60%	1,229.67	$58.61	$ 72,070.74	1,942
Office of Dentists	C	Office of DentistsC	C	4,699	80%	30%	0.383333333	9.80%	42.36	$21.03	$ 890.93	111
Nursing Homes (75% employees on- site)		Nursing Homes (75% employees on- site)	Nursing Homes (75% employees on- site)									
Nursing Homes (75% emplo	A	Nursing Homes (75% employees on- site)A	Category A	498,782	57%	50%	0.633333333	24.80%	22,327.48	$58.61	$ 1,308,613.45	35,254
Nursing Homes (75% emplo	C	Nursing Homes (75% employees on- site)C	C	32,180	67%	50%	0.383333333	9.80%	404.98	$21.03	$ 8,516.73	1,056
Nursing Homes (75% emplo	D	Nursing Homes (75% employees on- site)D	D	5,363	37%	50%	0.383333333	9.80%	37.27	$26.57	$ 990.32	97
Nursing Homes (25% employees off-site)		Nursing Homes (25% employees off-site)	Nursing Homes (25% employees off-site)									
Nursing Homes (25% emplo	A	Nursing Homes (25% employees off-site)A	Category A	166,261	57%	50%	1.916666667	24.80%	22,523.38	$58.61	$ 1,320,095.17	11,751
Nursing Homes (25% emplo	C	Nursing Homes (25% employees off-site)C	C	10,727	67%	50%	1.666666667	9.80%	586.95	$21.03	$ 12,343.47	352
Nursing Homes (25% emplo	D	Nursing Homes (25% employees off-site)D	D	1,788	37%	50%	1.666666667	9.80%	54.03	$26.57	$ 1,435.51	32
Hospitals		Hospitals	Hospitals									
Hospitals	A	HospitalsA	Category A	2,363,094	54%	57%	0.633333333	14.70%	67,717.26	$58.61	$ 3,968,908.41	106,922
Hospitals	B	HospitalsB	B	201,910	54%	57%	0.633333333	12.90%	5,077.48	$30.87	$ 156,741.85	8,017
Hospitals	C	HospitalsC	C	314,082	69%	44%	0.383333333	9.80%	3,582.18	$21.03	$ 75,333.31	9,345
Medical and Dental Labs		Medical and Dental Labs	Medical and Dental Labs									
Medical and Dental Labs	A	Medical and Dental LabsA	Category A	282,394	58%	64%	0.633333333	12.90%	8,564.18	$58.61	$ 501,946.60	13,522
Medical and Dental Labs	C	Medical and Dental LabsC	C	2,175	88%	30%	0.383333333	9.80%	21.57	$21.03	$ 453.55	56
Medical and Dental Labs	D	Medical and Dental LabsD	D	245,191	100%	30%	0.383333333	9.80%	2,763.31	$26.57	$ 73,421.06	7,209
Home Health		Home Health	Home Health									
Home Health	A	Home HealthA	Category A	336,402	77%	38%	0.633333333	22.30%	13,901.77	$58.61	$ 814,782.91	21,950
Home Health	C	Home HealthC	C	4,973	100%	30%	0.383333333	9.80%	56.04	$21.03	$ 1,178.61	146
Home Health	D	Home HealthD	D	10,442	88%	82%	0.383333333	22.50%	649.91	$26.57	$ 17,268.14	1,695
Hospices		Hospices	Hospices									
Hospices	A	HospicesA	Category A	10,565	77%	46%	0.633333333	22.50%	533.25	$58.61	$ 31,253.93	842
Hospices	C	HospicesC	C	154	37%	50%	0.383333333	9.80%	1.07	$21.03	$ 22.51	3
Hospices	D	HospicesD	D	27	100%	30%	0.383333333	22.50%	0.70	$26.57	$ 18.56	2
Hemodialysis		Hemodialysis	Hemodialysis									
Hemodialysis	A	HemodialysisA	Category A	4,964	33%	77%	0.633333333	15.40%	123.02	$58.61	$ 7,210.43	194
Hemodialysis	C	HemodialysisC	C	87	69%	54%	0.383333333	22.50%	2.80	$21.03	$ 58.80	7
Hemodialysis	D	HemodialysisD	D	230	48%	60%	0.383333333	12.90%	3.28	$26.57	$ 87.03	9
Drug Rehabilitation		Drug Rehabilitation	Drug Rehabilitation									
Drug Rehabilitation	A	Drug RehabilitationA	Category A	6,067	49%	56%	0.633333333	15.40%	162.37	$58.61	$ 9,516.62	256
Drug Rehabilitation	C	Drug RehabilitationC	C	149	35%	100%	0.383333333	22.50%	4.50	$21.03	$ 94.59	12
Drug Rehabilitation	D	Drug RehabilitationD	D	506	100%	30%	0.383333333	12.90%	7.51	$26.57	$ 199.45	20
Government Clinics		Government Clinics	Government Clinics									
Government Clinics	A	Government ClinicsA	Category A	52,156	57%	52%	0.633333333	13.50%	1,321.75	$58.61	$ 77,467.64	2,087
Government Clinics	C	Government ClinicsC	C	381	67%	33%	0.383333333	9.80%	3.16	$21.03	$ 66.55	8
Government Clinics	D	Government ClinicsD	D	3,808	37%	65%	0.383333333	12.90%	45.29	$26.57	$ 1,203.29	118
Blood/Plasma/Tissue Centers		Blood/Plasma/Tissue Centers	Blood/Plasma/Tissue Centers									
Blood/Plasma/Tissue Center	A	Blood/Plasma/Tissue CentersA	Category A	39,213	60%	42%	0.633333333	12.90%	807.33	$58.61	$ 47,317.72	1,275
Blood/Plasma/Tissue Center	C	Blood/Plasma/Tissue CentersC	C	431	80%	30%	0.383333333	9.80%	3.89	$21.03	$ 81.71	10
Blood/Plasma/Tissue Center	D	Blood/Plasma/Tissue CentersD	D	840	51%	44%	0.383333333	22.50%	16.26	$26.57	$ 432.16	42
Residential Care (75% employees on- site)		Residential Care (75% employees on- site)	Residential Care (75% employees on- site)									
Residential Care (75% empl	A	Residential Care (75% employees on- site)A	Category A	55,113	73%	50%	0.633333333	24.30%	3,095.89	$58.61	$ 181,450.12	4,888
Residential Care (75% empl	C	Residential Care (75% employees on- site)C	C	1,522	100%	50%	0.383333333	9.80%	28.59	$21.03	$ 601.21	75
Residential Care (75% empl	D	Residential Care (75% employees on- site)D	D	9,031	42%	50%	0.383333333	9.80%	71.25	$26.57	$ 1,892.99	186
Residential Care (25% employees off-site)		Residential Care (25% employees off-site)	Residential Care (25% employees off-site)									
Residential Care (25% empl	A	Residential Care (25% employees off-site)A	Category A	18,371	73%	50%	1.916666667	24.30%	3,123.05	$58.61	$ 183,041.79	1,629
Residential Care (25% empl	C	Residential Care (25% employees off-site)C	C	507	100%	50%	1.666666667	9.80%	41.41	$21.03	$ 870.75	25
Residential Care (25% empl	D	Residential Care (25% employees off-site)D	D	3,010	42%	50%	1.666666667	9.80%	103.24	$26.57	$ 2,743.17	62
Personal Services		Personal Services	Personal Services									
Personnel Services	A	Personnel ServicesA	Category A	61,387	88%	30%	1.916666667	8.70%	2,702.38	$58.61	$ 158,386.40	1,410
Personnel Services	D	Personnel ServicesD	D	102,090	100%	30%	1.666666667	9.80%	5,002.41	$26.57	$ 132,914.03	3,001
Funeral Services		Funeral Services	Funeral Services									
Funeral Services	A	Funeral ServicesA	Category A	53,233	65%	49%	1.916666667	12.90%	4,192.07	$58.61	$ 245,697.23	2,187
Funeral Services	C	Funeral ServicesC	C	2,837	100%	50%	1.666666667	9.80%	231.70	$21.03	$ 4,872.66	139
Funeral Services	D	Funeral ServicesD	D	3,376	100%	30%	1.666666667	9.80%	165.43	$26.57	$ 4,395.59	99
Health Units in Industry		Health Units in Industry	Health Units in Industry									
Health Units in Industry	A	Health Units in IndustryA	Category A	34,184	70%	43%	1.916666667	19.50%	3,845.66	$58.61	$ 225,393.97	2,006
Health Units in Industry	B	Health Units in IndustryB	B	141,051	83%	30%	1.916666667	9.80%	6,597.03	$30.87	$ 203,650.19	3,442
Health Units in Industry	D	Health Units in IndustryD	D	3,497	30%	30%	1.666666667	12.90%	67.67	$26.57	$ 1,797.91	41
Research Labs		Research Labs	Research Labs									
Research Labs	A	Research LabsA	Category A	87,484	54%	65%	1.916666667	12.90%	7,592.28	$58.61	$ 444,983.36	3,961
Research Labs	C	Research LabsC	C	1,315	79%	31%	1.666666667	9.80%	52.60	$21.03	$ 1,106.19	32
Research Labs	D	Research LabsD	D	352	54%	65%	1.666666667	12.90%	26.56	$26.57	$ 705.80	16
Linen Service		Linen Service	Linen Service									
Linen Service	D	Linen ServiceD	D	61,320	100%	30%	1.666666667	9.80%	3,004.68	$26.57	$ 79,834.35	1,803
Medical Equipment Repair		Medical Equipment Repair	Medical Equipment Repair									
Medical Equipment Repair	A	Medical Equipment RepairA	Category A	473	84%	30%	1.916666667	22.50%	51.40	$58.61	$ 3,012.75	27
Medical Equipment Repair	B	Medical Equipment RepairB	B	200	90%	30%	1.916666667	12.90%	13.35	$30.87	$ 412.16	7
Medical Equipment Repair	C	Medical Equipment RepairC	C	5,152	92%	30%	1.666666667	12.90%	305.72	$21.03	$ 6,429.28	183
Medical Equipment Repair	D	Medical Equipment RepairD	D	360	100%	30%	1.666666667	22.50%	40.50	$26.57	$ 1,076.09	24
Law Enforcement		Law Enforcement	Law Enforcement									
Law Enforcement	A	Law EnforcementA	Category A	482,544	83%	30%	0.633333333	7.80%	5,935.58	$58.61	$ 347,884.41	9,372
Law Enforcement	B	Law EnforcementB	B	1,788	47%	83%	0.633333333	9.80%	43.30	$30.87	$ 1,336.77	68
Law Enforcement	C	Law EnforcementC	C	4,117	98%	30%	0.383333333	7.80%	36.19	$21.03	$ 761.00	94
Law Enforcement	D	Law EnforcementD	D	48,797	77%	30%	0.383333333	12.90%	557.41	$26.57	$ 14,810.34	1,454
Fire and Rescue		Fire and Rescue	Fire and Rescue									
Fire and Rescue	A	Fire and RescueA	Category A	195,588	34%	68%	1.916666667	12.90%	11,180.65	$58.61	$ 655,298.00	5,833
Fire and Rescue	B	Fire and RescueB	B	234,316	44%	69%	1.916666667	22.50%	30,678.38	$30.87	$ 947,041.49	16,006
Fire and Rescue	D	Fire and RescueD	D	3,040	31%	73%	1.666666667	7.80%	89.44	$26.57	$ 2,376.52	54
Correctional Facilities		Correctional Facilities	Correctional Facilities									
Correctional Facilities	A	Correctional FacilitiesA	Category A	20,592	79%	42%	0.633333333	19.50%	843.81	$58.61	$ 49,455.51	1,332
Correctional Facilities	B	Correctional FacilitiesB	B	203,643	97%	30%	0.633333333	12.90%	4,841.55	$30.87	$ 149,458.59	7,645
Correctional Facilities	C	Correctional FacilitiesC	C	17,870	90%	30%	0.383333333	17.70%	327.36	$21.03	$ 6,884.47	854
Correctional Facilities	D	Correctional FacilitiesD	D	53,285	98%	30%	0.383333333	7.80%	468.41	$26.57	$ 12,445.53	1,222
Lifesaving		Lifesaving	Lifesaving									
Lifesaving	A	LifesavingA	Category A	5,000	75%	68%	1.916666667	12.90%	630.49	$58.61	$ 36,952.87	329
Schools		Schools	Schools									
Schools	A	SchoolsA	Category A	23,514	100%	30%	1.916666667	15.00%	2,028.08	$58.61	$ 118,865.92	1,058
Schools	D	SchoolsD	D	17,848	100%	30%	1.666666667	22.50%	2,007.90	$26.57	$ 53,349.90	1,205
Waste Removal		Waste Removal	Waste Removal									
Waste Removal	A	Waste RemovalA	Category A	13,300	100%	30%	1.916666667	22.50%	1,720.69	$58.61	$ 100,849.49	898
Dollar costs maynot reflect the total of cost x hours as a result of rounding.			**Total**	8,425,607					271,850.81		$13,883,008.25	**325,881**

Hours	Item 12	Item 13	Responses
124,271.96	$6,668,433.42	$11,537,089.52	268,269

Hepatitis B Vaccination (Health Care Professional Time) Table 3

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 (15/60) hour for licensed health care professional to provide hepatitis b vaccination and (.50 for vaccine and post vaccination screening

30 minutes (30/60) 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 tither is $90; for vaccination and post-vaccination total is $218

Wage Rate for Health Care Professional is $47.36

SectorCategory	Sector/Employment Category	Employees	Non-Vaccination Rate	Employee Participation Rate	Healthcare Professional Time		Occupational Turnover Rate	Burden Hours	No. 12	No. 13	Responses
	Office of the Physicians										
Office of the PhysiciansA	Category A	1,264,025	57%	52%	0.5	x	6.90%	12,925.66	$ 693,591.18		25,851
Office of the PhysiciansC	C	9,104	67%	33%	0.25	x	9.80%	49.31	$ 2,646.23		197
Office of the PhysiciansD	D	91,031	37%	65%	0.25	x	12.90%	706.05	$ 37,886.40		2,824
Office of Dentists	Office of Dentists										
Office of DentistsA	Category A	490,298	33%	75%	0.5	x	1.60%	970.79	$ 52,092.54		1,942
Office of DentistsC	C	4,699	80%	30%	0.25	x	9.80%	27.63	$ 1,482.58		111
Nursing Homes (75% employees on- site)	Nursing Homes (75% employees on- site)										
Nursing Homes (75% employees on- site)A	Category A	498,782	57%	50%	0.5	x	24.80%	17,626.96	$ 945,862.45		35,254
Nursing Homes (75% employees on- site)C	C	32,180	67%	50%	0.25	x	9.80%	264.12	$ 14,172.54		1,056
Nursing Homes (75% employees on- site)D	D	5,363	37%	50%	0.25	x	9.80%	24.31	$ 1,304.36		97
Nursing Homes (25% employees off-site)	Nursing Homes (25% employees off-site)										
Nursing Homes (25% employees off-site)A	Category A	166,261	57%	50%	$218	x	24.80%			$2,561,789	
Nursing Homes (25% employees off-site)C	C	10,727	67%	50%	$128	x	9.80%			$45,077	
Nursing Homes (25% employees off-site)D	D	1,788	37%	50%	$128	x	9.80%			$4,149	
Hospitals	Hospitals										
HospitalsA	Category A	2,363,094	54%	57%	0.5	x	14.70%	53,460.99	$ 2,868,716.83		106,922
HospitalsB	B	201,910	54%	57%	0.5	x	12.90%	4,008.54	$ 215,098.14		8,017
HospitalsC	C	314,082	69%	44%	0.25	x	9.80%	2,336.21	$ 125,360.83		9,345
Medical and Dental Labs	Medical and Dental Labs										
Medical and Dental LabsA	Category A	282,394	58%	64%	0.5	x	12.90%	6,761.19	$ 362,805.72		13,522
Medical and Dental LabsC	C	2,175	88%	30%	0.25	x	9.80%	14.07	$ 754.75		56
Medical and Dental LabsD	D	245,191	100%	30%	0.25	x	9.80%	1,802.16	$ 96,703.72		7,209
Home Health	Home Health										
Home HealthA	Category A	336,402	77%	38%	0.5	x	22.30%	10,975.08	$ 588,923.00		21,950
Home HealthC	C	4,973	100%	30%	0.25	x	9.80%	36.55	$ 1,961.30		146
Home HealthD	D	10,442	88%	82%	0.25	x	22.50%	423.86	$ 22,744.07		1,695
Hospices	Hospices										
HospicesA	Category A	10,565	77%	46%	0.5	x	22.50%	420.99	$ 22,590.26		842
HospicesC	C	154	37%	50%	0.25	x	9.80%	0.70	$ 37.45		3
HospicesD	D	27	100%	30%	0.25	x	22.50%	0.46	$ 24.45		2
Hemodialysis	Hemodialysis										
HemodialysisA	Category A	4,964	33%	77%	0.5	x	15.40%	97.12	$ 5,211.68		194
HemodialysisC	C	87	69%	54%	0.25	x	22.50%	1.82	$ 97.84		7
HemodialysisD	D	230	48%	60%	0.25	x	12.90%	2.14	$ 114.63		9
Drug Rehabilitation	Drug Rehabilitation										
Drug RehabilitationA	Category A	6,067	49%	56%	0.5	x	15.40%	128.19	$ 6,878.59		256
Drug RehabilitationC	C	149	35%	100%	0.25	x	22.50%	2.93	$ 157.41		12
Drug RehabilitationD	D	506	100%	30%	0.25	x	12.90%	4.90	$ 262.70		20
Government Clinics	Government Clinics										
Government ClinicsA	Category A	52,156	57%	52%	0.5	x	13.50%	1,043.49	$ 55,993.41		2,087
Government ClinicsC	C	381	67%	33%	0.25	x	9.80%	2.06	$ 110.75		8
Government ClinicsD	D	3,808	37%	65%	0.25	x	12.90%	29.54	$ 1,584.87		118
Blood/Plasma/Tissue Centers	Blood/Plasma/Tissue Centers										
Blood/Plasma/Tissue CentersA	Category A	39,213	60%	42%	0.5	x	12.90%	637.37	$ 34,201.13		1,275
Blood/Plasma/Tissue CentersC	C	431	80%	30%	0.25	x	9.80%	2.53	$ 135.98		10
Blood/Plasma/Tissue CentersD	D	840	51%	44%	0.25	x	22.50%	10.61	$ 569.20		42
Residential Care (75% employees on- site)	Residential Care (75% employees on- site)										
Residential Care (75% employees on- site)A	Category A	55,113	73%	50%	0.25	x	24.30%	1,222.06	$ 65,575.84		4,888
Residential Care (75% employees on- site)C	C	1,522	100%	50%	0.25	x	9.80%	18.64	$ 1,000.46		75
Residential Care (75% employees on- site)D	D	9,031	42%	50%	0.25	x	9.80%	46.46	$ 2,493.28		186
Residential Care (25% employees off-site)	Residential Care (25% employees off-site)										
Residential Care (25% employees off-site)A	Category A	18,371	73%	50%	$218	x	24.30%			$355,213	
Residential Care (25% employees off-site)C	C	507	100%	50%	$128	x	9.80%			$3,180	
Residential Care (25% employees off-site)D	D	3,010	42%	50%	$128	x	9.80%			$7,929	
Personnel Services	Personnel Services										
Personnel ServicesA	Category A	61,387	88%	30%	$218	x	8.70%			$307,366	
Personnel ServicesD	D	102,090	100%	30%	$128	x	9.80%			$384,185	
Funeral Services	Funeral Services										
Funeral ServicesA	Category A	53,233	65%	49%	$218	x	12.90%			$476,802	
Funeral ServicesC	C	2,837	100%	50%	$128	x	9.80%			$17,795	
Funeral ServicesD	D	3,376	100%	30%	$128	x	12.90%			$16,724	
Health Units in Industry	Health Units in Industry										
Health Units in IndustryA	Category A	34,184	70%	43%	$218	x	19.50%			$437,402	
Health Units in IndustryB	B	141,051	83%	30%	$128	x	9.80%			$440,567	
Health Units in IndustryD	D	3,497	30%	30%	$128	x	12.90%			$5,197	
Research Labs	Research Labs										
Research LabsA	Category A	87,484	54%	65%	$218	x	12.90%			$863,539	
Research LabsC	C	1,315	79%	31%	$128	x	9.80%			$4,040	
Research LabsD	D	352	54%	65%	$128	x	12.90%			$2,040	
Linen Service	Linen Service										
Linen ServiceD	D	61,320	100%	30%	$128	x	9.80%			$230,759	
Medical Equipment Repair	Medical Equipment Repair										
Medical Equipment RepairA	Category A	473	84%	30%	$218	x	22.50%			$5,847	
Medical Equipment RepairB	B	200	90%	30%	$218	x	12.90%			$1,519	
Medical Equipment RepairC	C	5,152	92%	30%	$128	x	12.90%			$23,479	
Medical Equipment RepairD	D	360	100%	30%	$128	x	22.50%			$3,110	
Law Enforcement	Law Enforcement										
Law EnforcementA	Category A	482,544	83%	30%	0.5	x	7.80%	4,685.99	$ 251,449.96		9,372
Law EnforcementB	B	1,788	47%	83%	0.25	x	9.80%	17.09	$ 917.23		68
Law EnforcementC	C	4,117	98%	30%	0.25	x	7.80%	23.60	$ 1,266.37		94
Law EnforcementD	D	48,797	77%	30%	0.25		12.90%	363.53	$ 19,506.87		1,454
Fire and Rescue	Fire and Rescue										
Fire and RescueA	Category A	195,588	34%	68%	$218	x	12.90%			$1,271,678	
Fire and RescueB	B	234,316	44%	69%	$218	x	22.50%			$3,489,332	
Fire and RescueD	D	3,040	31%	73%	$128	x	7.80%			$6,869	
Correctional Facilities	Correctional Facilities										
Correctional FacilitiesA	Category A	20,592	79%	42%	0.5	x	19.50%	666.16	$ 35,746.31		1,332
Correctional FacilitiesB	B	203,643	97%	30%	0.25	x	12.90%	1,911.14	$ 102,551.64		7,645
Correctional FacilitiesC	C	17,870	90%	30%	0.25	x	17.70%	213.50	$ 11,456.32		854
Correctional FacilitiesD	D	53,285	98%	30%	0.25	x	7.80%	305.48	$ 16,392.15		1,222
Lifesaving	Lifesaving										
LifesavingA	Category A	5,000	75%	68%	$218	x	12.90%			$71,711	
Schools	Schools										
SchoolsA	Category A	23,514	100%	30%	$218	x	15.00%			$230,672	
SchoolsD	D	17,848	100%	30%	$128	x	22.50%			$154,207	
Waste Removal	Waste Removal										
Waste RemovalA	Category A	13,300	100%	30%	$128	x	22.50%			$114,912	
	Totals							124,271.96	$ 6,668,433.42	$ 11,537,089.52	268,269
		8,425,607									

4-1

Hours		Item 12	Item 13	Responses
	39803.32	$2.135.846.12	$2.636.909.49	477.718

4-2

Hours		Item 12	Item 13	Responses
	5331.70	$260.271.80	$1.201.381.74	63.986

HIV Source Testing Health Care Professional Time
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 (5/60 hour) will be required to administer the tests
RSS is .05% for blood/plasma/tissue centers; 17% for law enforcement; 17% for corrections
and 0.8% for all other sectors
Unit cost of HIV antibody test = $20
Unit cost of confirmatory test = $30

Table 4 - 1

Sector	Exposures	Source Participation Rate	Hours/HIV Antibody Test Cost	Hours	Confirmatory Test	Hours	#12	#13	Responses
Offices of Physicians	179.493	50%	0.083333333			7.478.88	$ 401.316.43		89.747
Offices of Dentists	322.560	50%	0.083333333			13.440.00	$ 721.190.40		161.280
Nursing Homes	45.384	50%	0.083333333			1.891.00	$ 101.471.06		22.692
Hospitals	319.827	50%	0.083333333			13.326.13	$ 715.079.87		159.914
Medical and Dental Labs	5.664	50%	0.083333333			236.00	$ 12.663.76		2.832
Home Health Care	8.819	50%	0.083333333			367.46	$ 19.717.81		4.410
Hospices	899	50%	0.083333333			37.46	$ 2.010.01		450
Hemodialysis	5.302	50%	0.083333333			220.92	$ 11.854.39		2.651
Drug Rehabilitation	283	50%	0.083333333			11.79	$ 632.74		142
Government Clinics	16.013	50%	0.083333333			667.21	$ 35.802.40		8.007
Blood/Plasma/Tissue Centers	6.789	50%	0.083333333			282.88	$ 15.179.07		3.395
Residential Care	7.809	50%	0.083333333			325.38	$ 17.459.62		3.905
Personnel Services	2.993	50%	$20	0.0833	$30			$ 33.671.25	
Funeral Services	11.735	50%	$20	0.0833	$30			$ 132.018.75	
Health Units in Industry	186.835	50%	$20	0.0833	$30			$ 2.101.893.75	
Research Labs	494	50%	$20	0.0833	$30			$ 5.557.50	
Linen Services	3.000	50%	$20	0.0833	$30			$ 33.750.00	
Medical Equipment Repair	2.625	50%	$20	0.0833	$30			$ 29.531.25	
Law Enforcement	27.411	50%	0.083	0.0833		1.137.56	$ 61.041.28	$ 1.137.56	13.706
Fire and Rescue	13.426	50%	$20	0.0833	$30			$ 151.042.50	
Correctional Facilities	9.173	50%	0.083	0.0833		380.68	$ 20.427.26	$ 380.68	4.587
Lifesaving	457	50%	$20	0.0833	$30			$ 5.141.25	
Schools	12.642	50%	$20	0.0833	$30			$ 142.222.50	
Waste Removal	50	50%	$20	0.0833	$30			$ 562.50	
						39.803.32	$ 2.135.846.12	$ 2.636.909.49	477.718
totals	1.189.683	50%							

Input to other Tables: 594.842

Table 4-2

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

Office of Physicians	Office of Physicians	Exposures		% Vaccinated	Employee Participation Rate	Non-response Rate	Source Acceptance Rate		One	% Vaccinated	Source Acceptance Rate	Health Professional Time	One	Compliance Rate	Wage	HOURS	Cost #12	Cost # 13	RESPONSES
Office of the PhysiciansA	Category A	179.493	x [(	73%	10%	4%	50%) + ((	-	1	73%	50%)) x	0.083333333 x (	1 -	22%	58.61	1.592.08	$ 93.312.10		19.105
Office of the PhysiciansC	C	0	x [(	55%	10%	4%	50%) + ((	-	1	55%	50%)) x	0.083333333 x (	1 -	22%	21.03	0.00	$ 0.00		0
Office of the PhysiciansD	D	0	x [(	87%	10%	4%	50%) + ((	-	1	87%	50%)) x	0.083333333 x (	1 -	22%	26.57	0.00	$ 0.00		0
Office of Dentists	Office of Dentists																		
Office of DentistsA	Category A	279.485	x [(	92%	10%	4%	50%) + ((	-	1	92%	50%)) x	0.083333333 x (	1 -	5%	58.61	925.75	$ 54.258.06		11.109
Office of DentistsC	C	43.075	x [(	44%	10%	4%	50%) + ((	-	1	44%	50%)) x	0.083333333 x (	1 -	5%	21.03	957.83	$ 20.143.17		11.494
Nursing Homes	Nursing Homes																		
Nursing HomesA	Category A	35.746	x [(	38%	10%	4%	50%) + ((	-	1	38%	50%)) x	0.083333333 x (	1 -	34%	58.61	610.96	$ 35.808.57		7.332
Nursing HomesC	C	5.002	x [(	31%	10%	4%	50%) + ((	-	1	31%	50%)) x	0.083333333 x (	1 -	34%	21.03	95.08	$ 1.999.61		1.141
Nursing HomesD	D	4.636	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	0.083333333 x (	1 -	34%	26.57	89.40	$ 2.375.25		1.073
Hospitals	Hospitals																		
HospitalsA	Category A	254.449	[(	77%	10%	4%	50%) + ((	-	1	77%	50%)) x	0.083333333 x (	1 -	83%	58.61	420.09	$ 24.621.54		5.041
HospitalsB	B	34.579	x [(	77%	10%	4%	50%) + ((	-	1	72%	50%)) x	0.083333333 x (	1 -	83%	30.87	69.34	$ 2.140.40		832
HospitalsC	C	30.799	x [(	62%	10%	4%	50%) + ((	-	1	62%	50%)) x	0.083333333 x (	1 -	83%	21.03	83.44	$ 1.754.78		1.001
Medical and Dental Labs	Medical and Dental Labs																		
Medical and Dental LabsA	Category A	5.177	x [(	79%	10%	4%	50%) + ((	-	1	79%	50%)) x	0.083333333 x (	1 -	69%	58.61	14.25	$ 835.42		171
Medical and Dental LabsC	C	0	x [(	38%	10%	4%	50%) + ((	-	1	38%	50%)) x	0.083333333 x (	1 -	69%	21.03	0.00	$ 0.00		0
Medical and Dental LabsD	D	487	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	0.083333333 x (	1 -	69%	26.57	4.41	$ 117.20		53
Home Health	Home Health Care																		
Home HealthA	Category A	6.244	x [(	52%	10%	4%	50%) + ((	-	1	52%	50%)) x	0.083333333 x (	1 -	32%	58.61	85.29	$ 4.998.63		1.023
Home HealthC	C	0	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	0.083333333 x (	1 -	32%	21.03	0.00	$ 0.00		0
Home HealthD	D	2.575	x [(	84%	10%	4%	50%) + ((	-	1	84%	50%)) x	0.083333333 x (	1 -	32%	26.57	11.92	$ 316.67		143
Hospices	Hospices																		
HospicesA	Category A	684	x [(	58%	10%	4%	50%) + ((	-	1	58%	50%)) x	0.083333333 x (	1 -	42%	58.61	6.98	$ 409.15		84
HospicesC	C	0	x [(	82%	10%	4%	50%) + ((	-	1	82%	50%)) x	0.083333333 x (	1 -	42%	21.03	0.00	$ 0.00		0
HospicesD	D	215	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	0.083333333 x (	1 -	42%	26.57	3.64	$ 96.80		44
Hemodialysis	Hemodialysis																		
HemodialysisA	Category A	4.684	x [(	92%	10%	4%	50%) + ((	-	1	92%	50%)) x	0.083333333 x (	1 -	96%	58.61	0.65	$ 38.29		8
HemodialysisC	C	477	x [(	68%	10%	4%	50%) + ((	-	1	68%	50%)) x	0.083333333 x (	1 -	96%	21.03	0.26	$ 5.40		3
HemodialysisD	D	141	x [(	81%	10%	4%	50%) + ((	-	1	81%	50%)) x	0.083333333 x (	1 -	96%	26.57	0.05	$ 1.21		1
Drug Rehabilitation	Drug Rehabilitation																		
Drug RehabilitationA	Category A	283	x [(	78%	10%	4%	50%) + ((	-	1	78%	50%)) x	0.083333333 x (	1 -	82%	58.61	0.47	$ 27.76		6
Drug RehabilitationC	C	0	x [(	100%	10%	4%	50%) + ((	-	1	100%	50%)) x	0.083333333 x (	1 -	82%	21.03	0.00	$ 0.00		0
Drug RehabilitationD	D	0	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	0.083333333 x (	1 -	82%	26.57	0.00	$ 0.00		0
Government Clinics	Govenrment Clinics																		
Government ClinicsA	Category A	16.013	x [(	73%	10%	4%	50%) + ((	-	1	73%	50%)) x	0.083333333 x (	1 -	22%	58.61	142.03	$ 8.324.60		1.704
Government ClinicsC	C	0	x [(	55%	10%	4%	50%) + ((	-	1	55%	50%)) x	0.083333333 x (	1 -	22%	21.03	0.00	$ 0.00		0
Government ClinicsD	D	0	x [(	87%	10%	4%	50%) + ((	-	1	87%	50%)) x	0.083333333 x (	1 -	22%	26.57	0.00	$ 0.00		0
Blood/Plasma/Tissue Centers	Blood/Plasma/Tissue Centers																		
Blood/Plasma/Tissue CentersA	Category A	6.453	x [(	65%	10%	4%	50%) + ((	-	1	65%	50%)) x	0.083333333 x (	1 -	100%	58.61	0.00	$ 0.00		0
Blood/Plasma/Tissue CentersC	C	139	x [(	44%	10%	4%	50%) + ((	-	1	44%	50%)) x	0.083333333 x (	1 -	100%	21.03	0.00	$ 0.00		0
Blood/Plasma/Tissue CentersD	D	197	x [(	71%	10%	4%	50%) + ((	-	1	71%	50%)) x	0.083333333 x (	1 -	100%	26.57	0.00	$ 0.00		0
Residential Care	Residential Care																		
Residential CareA	Category A	4.850	x [(	64%	10%	4%	50%) + ((	-	1	64%	50%)) x	0.083333333 x (	1 -	85%	58.61	10.99	$ 644.13		132
Residential CareB	C	388	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	0.083333333 x (	1 -	85%	21.03	1.70	$ 35.76		20
Residential CareD	D	2.571	x [(	73%	10%	4%	50%) + ((	-	1	73%	50%)) x	0.083333333 x (	1 -	85%	26.57	4.39	$ 116.52		53
Personal Services	Personnel Services																		
Personal ServicesA	Category A	2.993	x [(	38%	10%	4%	50%) + ((	-	1	38%	50%)) x	$30.00 x (	1 -	61%	58.61			$10.882	
Personal ServicesD	D	0	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	$30.00 x (	1 -	0%	26.57			$0	
Funeral Services	Funeral Services																		
Funeral ServicesA	Category A	11.735	x [(	67%	10%	4%	50%) + ((	-	1	67%	50%)) x	$30.00 x (	1 -	13%	58.61			$50.947	
Funeral ServicesC	C	0	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	$30.00 x (	1 -	13%	21.03			$0	
Funeral ServicesD	D	0	x [(	64%	10%	4%	50%) + ((	-	1	64%	50%)) x	$30.00 x (	1 -	13%	26.57			$0	
Health Units in Industry	Health Units in Industry																		
Health Units in IndustryA	Category A	186.835	x [(	60%	10%	4%	50%) + ((	-	1	60%	50%)) x	$30.00 x (	1 -	14%	58.61			$969.853	
Health Units in IndustryB	B	0	x [(	42%	10%	4%	50%) + ((	-	1	42%	50%)) x	$30.00 x (	1 -	14%	30.87			$0	
Health Units in IndustryD	C	0	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	$30.00 x (	1 -	14%	21.03			$0	
Research Labs	Research Labs																		
Research LabsA	Category A	494	x [(	81%	10%	4%	50%) + ((	-	1	81%	50%)) x	$30.00 x (	1 -	30%	58.61			$1.002	
Research LabsC	C	0	x [(	42%	10%	4%	50%) + ((	-	1	45%	50%)) x	$30.00 x (	1 -	30%	21.03			$0	
Research LabsD	D	0	x [(	81%	10%	4%	50%) + ((	-	1	81%	50%)) x	$30.00 x (	1 -	30%	26.57			$0	
Linen Service	Linen Service																		
Linen ServiceD	D	3.000	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	$30.00 x (	1 -	90%	26.57			$3.155	
Medical Equipment Repair	Medical Equipment Repair																		
Medical Equipment RepairA	Category A	0	x [(	41%	10%	4%	50%) + ((	-	1	41%	50%)) x	$30.00 x (	1 -	0%	58.61			$0	
Medical Equipment RepairB	B	0	x [(	37%	10%	4%	50%) + ((	-	1	37%	50%)) x	$30.00 x (	1 -	0%	30.87			$0	
Medical Equipment RepairC	C	161	x [(	36%	10%	4%	50%) + ((	-	1	36%	50%)) x	$30.00 x (	1 -	0%	21.03			$1.549	
Medical Equipment RepairD	D	2.464	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	$30.00 x (	1 -	0%	26.57			$25.916	
Law Enforcement	Law Enforcement																		
Law EnforcementA	Category A	18.933	x [(	42%	10%	4%	50%) + ((	-	1	42%	50%)) x	0.083 x (	1 -	91%	58.61	41.13	$ 2.410.83		496
Law EnforcementB	B	2.770	x [(	92%	10%	4%	50%) + ((	-	1	92%	50%)) x	0.083 x (	1 -	91%	30.87	0.87	$ 26.73		10
Law EnforcementC	C	1.444	x [(	31%	10%	4%	50%) + ((	-	1	31%	50%)) x	0.083 x (	1 -	91%	21.03	3.73	$ 78.40		45
Law EnforcementD	D	4.204	x [(	46%	10%	4%	50%) + ((	-	1	46%	50%)) x	0.083 x (	1 -	91%	26.57	8.51	$ 226.06		103
Fire and Rescue	Fire and Rescue																		
Fire and RescueA	Category A	10.411	x [(	89%	10%	4%	50%) + ((	-	1	89%	50%)) x	$30.00 x (	1 -	82%	58.61			$3.192	
Fire and RescueB	B	857	x [(	86%	10%	4%	50%) + ((	-	1	86%	50%)) x	$30.00 x (	1 -	82%	30.87			$332	
Fire and RescueD	D	2.158	x [(	92%	10%	4%	50%) + ((	-	1	92%	50%)) x	$30.00 x (	1 -	82%	26.57			$488	
Correctional Facilities	Correctional Facilities																		
Correctional FacilitiesA	Category A	3.034	x [(	54%	10%	4%	50%) + ((	-	1	54%	50%)) x	0.083333333 x (	1 -	38%	58.61	36.22	$ 2.123.05		435
Correctional FacilitiesB	B	1.887	x [(	32%	10%	4%	50%) + ((	-	1	32%	50%)) x	0.083333333 x (	1 -	38%	30.87	33.21	$ 1.025.21		399
Correctional FacilitiesC	C	459	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	0.083333333 x (	1 -	38%	21.03	8.31	$ 174.85		100
Correctional FacilitiesD	D	3.793	x [(	31%	10%	4%	50%) + ((	-	1	30%	50%)) x	0.083333333 x (	1 -	38%	26.57	68.71	$ 1.825.67		825
Lifesaving	Lifesaving																		
LifesavingA	Category A	457	x [(	76%	10%	4%	50%) + ((	-	1	76%	50%)) x	$30.00 x (	1 -	50%	58.61			$833	
Schools	Schools																		
SchoolsA	Category A	6.321	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	$30.00 x (	1 -	0%	58.61			$66.484	
SchoolsD	D	6.321	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	$30.00 x (	1 -	0%	26.57			$66.484	
Waste Removal	Waste Removal																		
Waste RemovalA	Category A	50	x [(	30%	10%	4%	50%) + ((	-	1	30%	50%)) x	$30.00 x (	1 -	50%	58.61			$263	
Totals		1.189.623														5.331.70	$ 260.271.80	$ 1.201.381.74	63.986

Hours	Item 12	Item 13	Responses
11,401.64	$648,724.94	NA	53,116

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 ranges from 7.68 to 30 minutes.

10% of vaccinated employees will receive tests.

Table 5

Sector	Exposures		% Vaccinated		Employee Time		Share of Vaccinated Employees Receiving Tests		One		Compliance Rate		Wage Rates	Burden Hours	Number 12	Responses		
Office of the Physicians																		
Category A	179,493	x	73%	x	0.128	x	0.1	x (	1	-	27%	) =	$58.61	1,224.34	$71,758.76	9,565		
C	0	x	55%	x	0.128	x	0.1	x (	1	-	27%	) =	$21.03	0.00	$0.00	0		
D	0	x	87%	x	0.128	x	0.1	x (	1	-	27%	) =	$26.57	0.00	$0.00	0		
Office of Dentists																		
Category A	279,485	x	92%	x	0.128	x	0.1	x (	1	-	19%	) =	$58.61	2,665.88	$156,247.49	20,827		
C	43,075	x	44%	x	0.128	x	0.1	x (	1	-	19%	) =	$21.03	196.50	$4,132.49	1,535		
Nursing Homes																		
Category A	35,746	x	38%	x	0.128	x	0.1	x (	1	-	31%	) =	$58.61	119.97	$7,031.40	937		
C	5,002	x	31%	x	0.128	x	0.1	x (	1	-	31%	) =	$21.03	13.70	$288.01	107		
D	4,636	x	30%	x	0.128	x	0.1	x (	1	-	31%	) =	$26.57	12.28	$326.37	96		
Hospitals																		
Category A	254,449	x	77%	x	0.128	x	0.1	x (	1	-	76%	) =	$58.61	601.88	$35,276.41	4,702		
B	34,579	x	77%	x	0.128	x	0.1	x (	1	-	76%	) =	$30.87	81.79	$2,525.00	639		
C	30,799	x	62%	x	0.128	x	0.1	x (	1	-	76%	) =	$21.03	58.66	$1,233.64	458		
Medical and Dental Labs																		
Category A	5,177	x	79%	x	0.128	x	0.1	x (	1	-	86%	) =	$58.61	7.33	$429.55	57		
C	0	x	38%	x	0.128	x	0.1	x (	1	-	86%	) =	$21.03	0.00	$0.00	0		
D	487	x	30%	x	0.128	x	0.1	x (	1	-	86%	) =	$26.57	0.26	$6.96	2		
Home Health																		
Category A	6,244	x	52%	x	0.128	x	0.1	x (	1	-	67%	) =	$58.61	13.71	$803.83	107		
C	0	x	30%	x	0.128	x	0.1	x (	1	-	67%	) =	$21.03	0.00	$0.00	0		
D	2,575	x	84%	x	0.128	x	0.1	x (	1	-	67%	) =	$26.57	9.14	$242.76	71		
Hospices																		
Category A	684	x	58%	x	0.128	x	0.1	x (	1	-	60%	) =	$58.61	2.03	$119.05	16		
C	0	x	82%	x	0.128	x	0.1	x (	1	-	60%	) =	$21.03	0.00	$0.00	0		
D	215	x	30%	x	0.128	x	0.1	x (	1	-	60%	) =	$26.57	0.33	$8.77	3		
Hemodialysis																		
Category A	4,684	x	92%	x	0.128	x	0.1	x (	1	-	93%	) =	$58.61	3.86	$226.30	30		
C	477	x	68%	x	0.128	x	0.1	x (	1	-	93%	) =	$21.03	0.29	$6.11	2		
D	141	x	81%	x	0.128	x	0.1	x (	1	-	93%	) =	$26.57	0.10	$2.72	1		
Drug Rehabilitation																		
Category A	283	x	78%	x	0.128	x	0.1	x (	1	-	77%	) =	$58.61	0.65	$38.09	5		
C	0	x	100%	x	0.128	x	0.1	x (	1	-	77%	) =	$21.03	0.00	$0.00	0	0	0
D	0	x	30%	x	0.128	x	0.1	x (	1	-	77%	) =	$26.57	0.00	$0.00	0		
Government Clinics																		
Category A	16,013	x	73%	x	0.128	x	0.1	x (	1	-	27%	) =	$58.61	109.23	$6,401.77	853		
C	0	x	55%	x	0.128	x	0.1	x (	1	-	27%	) =	$21.03	0.00	$0.00	0		
D	0	x	87%	x	0.128	x	0.1	x (	1	-	27%	) =	$26.57	0.00	$0.00	0		
Blood/Plasma/Tissue Centers																		
Category A	6,453	x	65%	x	0.128	x	0.1	x (	1	-	66%	) =	$58.61	18.25	$1,069.88	143		
C	139	x	44%	x	0.128	x	0.1	x (	1	-	66%	) =	$21.03	0.27	$5.60	2		
D	197	x	71%	x	0.128	x	0.1	x (	1	-	66%	) =	$26.57	0.61	$16.17	5		
Residential Care																		
Category A	4,850	x	64%	x	0.128	x	0.1	x (	1	-	39%	) =	$58.61	24.24	$1,420.47	189	7,809	
C	388	x	30%	x	0.128	x	0.1	x (	1	-	39%	) =	$21.03	0.91	$19.11	7		
D	2,571	x	73%	x	0.128	x	0.1	x (	1	-	39%	) =	$26.57	14.65	$389.36	114		
Personnel Services																		
Category A	2,993	x	38%	x	0.5	x	0.1	x (	1	-	83%	) =	$58.61	9.67	$566.61	19		
D	0	x	30%	x	0.5	x	0.1	x (	1	-	0%	) =	$26.57	0.00	$0.00	0		
Funeral Services																		
Category A	11,735	x	67%	x	0.5	x	0.1	x (	1	-	31%	) =	$58.61	271.25	$15,898.23	543		
C	0	x	30%	x	0.5	x	0.1	x (	1	-	31%	) =	$21.03	0.00	$0.00	0		
D	0	x	64%	x	0.5	x	0.1	x (	1	-	31%	) =	$26.57	0.00	$0.00	0		
Health Units in Industry																		
Category A	186,835	x	60%	x	0.5	x	0.1	x (	1	-	2%	) =	$58.61	5,492.95	$321,941.74	10,986		
B	0	x	42%	x	0.5	x	0.1	x (	1	-	2%	) =	$30.87	0.00	$0.00	0		
D	0	x	30%	x	0.5	x	0.1	x (	1	-	2%	) =	$26.57	0.00	$0.00	0		
Research Labs																		
Category A	494	x	81%	x	0.5	x	0.1	x (	1	-	70%	) =	$58.61	6.00	$351.78	12		
C	0	x	45%	x	0.5	x	0.1	x (	1	-	70%	) =	$21.03	0.00	$0.00	0		
D	0	x	81%	x	0.5	x	0.1	x (	1	-	70%	) =	$26.57	0.00	$0.00	0		
Linen Service																		
D	3,000	x	30%	x	0.5	x	0.1	x (	1	-	90%	) =	$26.57	4.50	$119.57	9		
Medical Equipment Repair																		
Category A	0	x	41%	x	0.5	x	0.1	x (	1	-	26%	) =	$58.61	0.00	$0.00	0		
B	0	x	37%	x	0.5	x	0.1	x (	1	-	26%	) =	$30.87	0.00	$0.00	0		
C	161	x	36%	x	0.5	x	0.1	x (	1	-	26%	) =	$21.03	2.14	$45.10	4		
D	2,464	x	30%	x	0.5	x	0.1	x (	1	-	26%	) =	$26.57	27.35	$726.70	55		
Law Enforcement																		
Category A	18,993	x	42%	x	0.128	x	0.1	x (	1	-	96%	) =	$58.61	4.08	$239.38	32		
B	2,770	x	92%	x	0.128	x	0.1	x (	1	-	96%	) =	$30.87	1.30	$40.28	10		
C	1,444	x	31%	x	0.128	x	0.1	x (	1	-	96%	) =	$21.03	0.23	$4.82	2		
D	4,204	x	46%	x	0.128	x	0.1	x (	1	-	96%	) =	$26.57	0.99	$26.31	8		
Fire and Rescue																		
Category A	10,411	x	89%	x	0.5	x	0.1	x (	1	-	71%	) =	$58.61	134.35	$7,874.49	269		
B	857	x	86%	x	0.5	x	0.1	x (	1	-	71%	) =	$30.87	10.69	$329.90	21		
D	2,158	x	92%	x	0.5	x	0.1	x (	1	-	71%	) =	$26.57	28.79	$764.89	58		
Correctional Facilities																		

Category A	3,034	x	54%	x	0.128	x	0.1	x (	1 -	39%	) =	$58.61	12.79	$749.76	100
B	1,887	x	32%	x	0.128	x	0.1	x (	1 -	39%	) =	$30.87	4.71	$145.55	37
C	459	x	30%	x	0.128	x	0.1	x (	1 -	39%	) =	$21.03	1.08	$22.61	8
D	3,793	x	31%	x	0.128	x	0.1	x (	1 -	39%	) =	$26.57	9.18	$243.94	72
Lifesaving															
Category A	457	x	76%	x	0.5	x	0.1	x (	1 -	50%	) =	$58.61	8.68	$508.91	17
Schools															
Category A	6,321	x	30%	x	0.5	x	0.1	x (	1 -	0%	) =	$58.61	94.82	$5,557.11	190
D	6,321	x	30%	x	0.5	x	0.1	x (	1 -	0%	) =	$26.57	94.82	$2,519.23	190
Waste Removal															
Category A	50	x	30%	x	0.5	x	0.1	x (	1 -	50%	) =	$58.61	0.38	$21.98	1
Total													**11,401.64**	**$648,724.94**	**53,116**

1,189,683

Hours	Item 12	Item 13	Responses
3,397.87	$182,329.96	$374,580.94	40,772

HBV Antibody Testing for Vaccinated Workers (Health Care Professional Time):
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 estimated to be 5 minutes (5/60).
* Cost of HBV antibody test = $30
* Employee participation rate is estimated to be 10%

Table 6

Office of Physicans	Exposures		% Vaccinated		Health Care Professional Time		Employee Participation rate		One Minus % Not Vaccinated	% Vaccinated	Hours	Item 12 Cost	#13 Cost	RESPONSES	
Category A	179,493	x	73%	x	0.083333333	x	0.1	x	(1 - 27%)	73%	797.10	$42,772.31	$797.10	9,565	
C	0	x	55%	x	0.083333333	x	0.1	x	(1 - 27%)	73%	0.00	$0.00	$0.00	0	
D	0	x	87%	x	0.083333333	x	0.1	x	(1 - 27%)	73%	0.00	$0.00	$0.00	0	
Office Of Dentists															
A	279,485	x	92%	x	0.083333333	x	0.1	x	(1 - 19%)	81%	1735.60	$93,132.40	$1,735.60	20,827	
C	43,075	x	44%	x	0.083333333	x	0.1	x	(1 - 19%)	81%	127.93	$6,864.87	$127.93	1,535	
Nursing Homes															
Category A	35,746	x	38%	x	0.083333333	x	0.1	x	(1 - 31%)	69%	78.11	$4,191.11	$78.11	937	
C	5,002	x	31%	x	0.083333333	x	0.1	x	(1 - 31%)	69%	8.92	$478.44	$8.92	107	
D	4,636	x	30%	x	0.083333333	x	0.1	x	(1 - 31%)	69%	8.00	$429.12	$8.00	96	
Hospitals															
Category A	254,449	x	77%	x	0.083333333	x	0.1	x	(1 - 76%)	24%	391.85	$21,026.75	$391.85	4,702	
B	34,579	x	77%	x	0.083333333	x	0.1	x	(1 - 76%)	24%	53.25	$2,857.48	$53.25	639	
C	30,799	x	62%	x	0.083333333	x	0.1	x	(1 - 76%)	24%	38.19	$2,049.32	$38.19	458	
Medical and Dental Labs															
Category A	5,177	x	79%	x	0.083333333	x	0.1	x	(1 - 86%)	14%	4.77	$256.04	$4.77	57	
B	0	x	38%	x	0.083333333	x	0.1	x	(1 - 86%)	14%	0.00	$0.00	$0.00	0	
C	487	x	30%	x	0.083333333	x	0.1	x	(1 - 86%)	14%	0.17	$9.15	$0.17	2	
Home Health															
Category A	6,244	x	52%	x	0.083333333	x	0.1	x	(1 - 67%)	33%	8.93	$479.13	$8.93	107	
C	0	x	30%	x	0.083333333	x	0.1	x	(1 - 67%)	33%	0.00	$0.00	$0.00	0	
D	2,575	x	84%	x	0.083333333	x	0.1	x	(1 - 67%)	33%	5.95	$319.18	$5.95	71	
Hospices															
Category A	684	x	58%	x	0.083333333	x	0.1	x	(1 - 60%)	40%	1.32	$70.96	$1.32	16	
C	0		82%		0.083333333	x	0.1	x	(1 - 60%)	40%	0.00	$0.00	$0.00	0	
D	215		30%		0.083333333	x	0.1	x	(1 - 60%)	40%	0.22	$11.54	$0.22	3	
Hemodialysis															
Category A	4,684		92%		0.083333333	x	0.1	x	(1 - 93%)	7%	2.51	$134.89	$2.51	30	
C	477		58%		0.083333333	x	0.1	x	(1 - 93%)	7%	0.16	$8.66	$0.16	2	
D	141		81%		0.083333333	x	0.1	x	(1 - 93%)	7%	0.07	$3.57	$0.07	1	
Drug Rehabilitation															
Category A	283		78%		0.083333333	x	0.1	x	(1 - 77%)	23%	0.42	$22.70	$0.42	5	
C	0		100%		0.083333333	x	0.1	x	(1 - 77%)	23%	0.00	$0.00	$0.00	0	
D	0		30%		0.083333333	x	0.1	x	(1 - 77%)	23%	0.00	$0.00	$0.00	0	
Government Clinics															
Category A	16,013		73%	x	0.083333333	x	0.1	x	(1 - 27%)	73%	71.11	$3,815.82	$71.11	853	
C	0		55%	x	0.083333333	x	0.1	x	(1 - 27%)	73%	0.00	$0.00	$0.00	0	
D	0		87%	x	0.083333333	x	0.1	x	(1 - 27%)	73%	0.00	$0.00	$0.00	0	
Blood/Plasma/Tissue Centers															
Category A	6,453	x	65%	x	0.083333333	x	0.1	x	(1 - 66%)	34%	11.88	$637.71	$11.88	143	
C	139	x	44%	x	0.083333333	x	0.1	x	(1 - 66%)	34%	0.17	$9.30	$0.17	2	
D	197	x	51%	x	0.083333333	x	0.1	x	(1 - 66%)	34%	0.28	$15.28	$0.28	3	
Residential Care															
Category A	4,850	x	64%	x	0.083333333	x	0.1	x	(1 - 39%)	61%	15.78	$846.68	$15.78	189	
C	388	x	30%	x	0.083333333	x	0.1	x	(1 - 39%)	61%	0.59	$31.75	$0.59	7	
D	2,571	x	73%	x	0.083333333	x	0.1	x	(1 - 39%)	61%	9.54	$511.95	$9.54	114	
Personnel Services															#VALUE!
Category A	2,993	x	38%	x	$30.00	x	0.1	x	(1 - 83%)	17%			$580.04		
D	0	x	30%	x	$30.00	x	0.1	x	(1 - 0%)	100%			$0.00		
Funeral Services															
Category A	11,735	x	67%	x	$30.00	x	0.1	x	(1 - 31%)	69%			$16,275.27		
C	0	x	30%	x	$30.00	x	0.1	x	(1 - 31%)	69%			$0.00		
D	0	x	64%	x	$30.00	x	0.1	x	(1 - 31%)	69%			$0.00		
Health Units in Industry															
Category A	186,835	x	60%	x	$30.00	x	0.1	x	(1 - 2%)	98%			$329,576.94		
B	0	x	42%	x	$30.00	x	0.1	x	(1 - 2%)	98%			$0.00		
C	0	x	30%	x	$30.00	x	0.1	x	(1 - 2%)	98%			$0.00		
Research Labs															
Category A	494	x	81%	x	$30.00	x	0.1	x	(1 - 70%)	30%			$360.13		
C	0	x	45%	x	$30.00	x	0.1	x	(1 - 70%)	30%			$0.00		
D	0	x	81%	x	$30.00	x	0.1	x	(1 - 70%)	30%			$0.00		
Linen Services															
Category D	3,000	x	30%	x	$30.00	x	0.1	x	(1 - 90%)	10%			$270.00		
Medical Equipment Repair															
Category A	0		41%	x	$30.00	x	0.1	x	(1 - 26%)	74%			$0.00		
B	0		37%	x	$30.00	x	0.1	x	(1 - 26%)	74%			$0.00		
C	161		36%	x	$30.00	x	0.1	x	(1 - 26%)	74%			$128.67		
D	2,464		30%	x	$30.00	x	0.1	x	(1 - 26%)	74%			$1,641.02		
Law Enforcement															
Category A	18,993		42%	x	0.083333333	x	0.1	x	(1 - 96%)	4%	2.66	$142.68	$2.66	32	
B	2,770		92%	x	0.083333333	x	0.1	x	(1 - 96%)	4%	0.85	$45.58	$0.85	10	
C	1,444		31%	x	0.083333333	x	0.1	x	(1 - 96%)	4%	0.15	$8.01	$0.15	2	
D	4,204		46%	x	0.083333333	x	0.1	x	(1 - 96%)	4%	0.64	$34.59	$0.64	8	
Fire and Rescure															
Category A	10,411		89%		$30.00	x	0.1	x	(1 - 71%)	29%			$8,061.24		
B	857		86%		$30.00	x	0.1	x	(1 - 71%)	29%			$641.21		
D	2,158		92%		$30.00	x	0.1	x	(1 - 71%)	29%			$1,727.26		
Correctional Facilities															
Category A	3,034		54%		0.083333333	x	0.1	x	(1 - 30%)	70%	9.56	$512.83	$9.56	115	
B	1,887		32%		0.083333333	x	0.1	x	(1 - 30%)	70%	3.52	$189.01	$3.52	42	
C	459		30%		0.083333333	x	0.1	x	(1 - 30%)	70%	0.80	$43.10	$0.80	10	
D	3,793		31%		0.083333333	x	0.1	x	(1 - 30%)	70%	6.86	$368.05	$6.86	82	
Lifesaving															
Category A	457		76%		$30.00	x	0.1	x	(1 - 50%)	50%			$520.98		
Schools															
Category A	6,321		30%		$30.00	x	0.1	x	(1 - 0%)	100%			$5,688.90		
D	6,321		30%		$30.00	x	0.1	x	(1 - 0%)	100%			$5,688.90		
Waste Removal															
Category D	50		30%		$30.00	x	0.1	x	(1 - 50%)	50%			$22.50		
Total											**3,397.87**	**$ 182,329.96**	**$ 374,580.94**	**40,772**	
	1,189,683														

Hours	Item 12	Item 13	Responses
1,616.98	$87,993.80	NA	5,769

HBV Antibody Testing for Non-Vaccinated Workers (Employee Time)
HOURS = # exposures x (1-% vaccinated) x employee time x (source participation 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.
* Employee time ranges from 7.68 to 30 minutes
* 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.

Table 7

Sector	Exposures	One	% Vaccinated	Employee Time	Source Participation Rate	RSS	Sources Refusing Test	% Exposures Attributable to High Risk Group	One	Compliance Rate	Wage	HOURS	#12	Responses
Office of the Physicians														
Category A	179,493	1 -	73%	0.128	50%	0.42% +	50%	5%	1 -	27%	58.61	122.72	$7,192.59	959
C	0	1 -	55%	0.128	50%	0.42% +	50%	5%	1 -	27%	21.03	0.00	$0.00	0
D	0	1 -	87%	0.128	50%	0.42% +	50%	5%	1 -	27%	26.57	0.00	$0.00	0
Office of Dentists														
Category A	279,485	1 -	92%	0.128	50%	0.42% +	50%	5%	1 -	19%	58.61	62.82	$3,682.01	491
C	43,075	1 -	44%	0.128	50%	0.42% +	50%	5%	1 -	19%	21.03	67.78	$1,425.33	530
Nursing Homes														
Category A	35,746	1 -	38%	0.128	50%	0.42% +	50%	5%	1 -	31%	58.61	53.05	$3,108.99	414
C	5,002	1 -	31%	0.128	50%	0.42% +	50%	5%	1 -	31%	21.03	8.26	$173.72	65
D	4,636	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	31%	26.57	7.77	$206.38	61
Hospitals														
Category A	254,449	1 -	77%	0.128	50%	1.25% +	50%	5%	1 -	76%	58.61	56.18	$3,292.85	439
B	34,579	1 -	77%	0.128	50%	1.25% +	50%	5%	1 -	76%	30.87	7.64	$235.69	60
C	30,799	1 -	62%	0.128	50%	1.25% +	50%	5%	1 -	76%	21.03	11.24	$236.28	88
Medical and Dental Labs														
Category A	5,177	1 -	79%	0.128	50%	0.42% +	50%	5%	1 -	86%	58.61	0.53	$30.94	4
C	0	1 -	38%	0.128	50%	0.42% +	50%	5%	1 -	86%	21.03	0.00	$0.00	0
D	487	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	86%	26.57	0.17	$4.40	1
Home Health Care														
Category A	6,244	1 -	52%	0.128	50%	0.42% +	50%	5%	1 -	67%	58.61	3.43	$201.08	27
C	0	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	67%	21.03	0.00	$0.00	0
D	2,575	1 -	84%	0.128	50%	0.42% +	50%	5%	1 -	67%	26.57	0.47	$12.53	4
Hospices														
Category A	684	1 -	58%	0.128	50%	0.42% +	50%	5%	1 -	60%	58.61	0.40	$23.36	3
C	0	1 -	82%	0.128	50%	0.42% +	50%	5%	1 -	60%	21.03	0.00	$0.00	0
D	215	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	60%	26.57	0.21	$5.55	2
Hemodialysis														
Category A	4,684	1 -	92%	0.128	50%	0.42% +	50%	5%	1 -	93%	58.61	0.09	$5.33	1
C	477	1 -	68%	0.128	50%	0.42% +	50%	5%	1 -	93%	21.03	0.04	$0.78	0
D	141	1 -	81%	0.128	50%	0.42% +	50%	5%	1 -	93%	26.57	0.01	$0.17	0
Drug Rehabilitation														
Category A	283	1 -	78%	0.128	50%	0.42% +	50%	5%	1 -	77%	58.61	0.05	$2.91	0
C	0	1 -	100%	0.128	50%	0.42% +	50%	5%	1 -	77%	21.03	0.00	$0.00	0
D	0	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	77%	26.57	0.00	$0.00	0
Government Clinics														
Category A	16,013	1 -	73%	0.128	50%	0.42% +	50%	5%	1 -	27%	58.61	10.95	$641.67	86
C	0	1 -	5%	0.128	50%	0.42% +	50%	5%	1 -	27%	21.03	0.00	$0.00	0
D	0	1 -	7%	0.128	50%	0.42% +	50%	5%	1 -	27%	26.57	0.00	$0.00	0
Blood/Plasma/Tissue Centers														
Category A	6,453	1 -	65%	0.128	50%	0.10% +	50%	5%	1 -	66%	58.61	2.51	$146.90	20
C	139	1 -	44%	0.128	50%	0.10% +	50%	5%	1 -	66%	21.03	0.09	$1.82	1
D	197	1 -	71%	0.128	50%	0.10% +	50%	5%	1 -	66%	26.57	0.06	$1.68	0
Residential Care														
Category A	4,850	1 -	64%	0.128	50%	0.42% +	50%	5%	1 -	39%	58.61	3.69	$216.53	29
C	388	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	39%	21.03	0.57	$12.09	4
D	2,571	1 -	73%	0.128	50%	0.42% +	50%	5%	1 -	39%	26.57	1.47	$39.03	11
Personnel Services														
Category A	2,993	1 -	38%	0.500	50%	0.42% +	50%	5%	1 -	83%	58.61	4.27	$250.53	9
D	0.00	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	0%	26.57	0.00	$0.00	0
Funeral Services														
Category A	11,735	1 -	67%	0.500	50%	0.42% +	50%	5%	1 -	31%	58.61	36.21	$2,122.06	72
C	0.00	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	31%	21.03	0.00	$0.00	0
D	0.00	1 -	64%	0.500	50%	0.42% +	50%	5%	1 -	31%	26.57	0.00	$0.00	0
Health Units in Industry														
Category A	186,835	1 -	60%	0.500	50%	0.42% +	50%	5%	1 -	2%	58.61	992.39	$58,164.14	1,985
B	0.00	1 -	42%	0.500	50%	0.42% +	50%	5%	1 -	2%	30.87	0.00	$0.00	0
D	0.00	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	2%	26.57	0.00	$0.00	0
Research Labs														
Category A	494	1 -	81%	0.500	50%	0.42% +	50%	5%	1 -	70%	58.61	0.38	$22.36	1
C	0.00	1 -	45%	0.500	50%	0.42% +	50%	5%	1 -	70%	21.03	0.00	$0.00	0
D	0.00	1 -	81%	0.500	50%	0.42% +	50%	5%	1 -	70%	26.57	0.00	$0.00	0
Linen Service														
D	3,000	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	90%	26.57	2.85	$75.60	6
Medical Equipment Repair														
Category A	0	1 -	1%	0.500	50%	0.42% +	50%	5%	1 -	26%	58.61	0.00	$0.00	0
B	0	1 -	7%	0.500	50%	0.42% +	50%	5%	1 -	26%	30.87	0.00	$0.00	0
C	161	1 -	36%	0.500	50%	0.42% +	50%	5%	1 -	26%	21.03	1.03	$21.73	2
D	2,464	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	26%	26.57	17.29	$459.52	35
Law Enforcement														
Category A	18,993	1 -	42%	0.128	50%	0.42% +	50%	5%	1 -	96%	58.61	1.53	$89.58	12
B	2,770	1 -	92%	0.128	50%	0.42% +	50%	5%	1 -	96%	30.87	0.03	$0.95	0
C	1,444	1 -	31%	0.128	50%	0.42% +	50%	5%	1 -	96%	21.03	0.14	$2.91	1
D	4,204	1 -	46%	0.128	50%	0.42% +	50%	5%	1 -	96%	26.57	0.31	$8.37	2
Fire and Rescue														
Category A	10,411	1 -	89%	0.500	50%	0.42% +	50%	5%	1 -	71%	58.61	4.50	$263.75	9
B	857	1 -	86%	0.500	50%	0.42% +	50%	5%	1 -	71%	30.87	0.47	$14.55	1
D	2,158	1 -	92%	0.500	50%	0.42% +	50%	5%	1 -	71%	26.57	0.68	$18.02	1
Correctional Facilities														
Category A	3,034	1 -	54%	0.128	50%	0.42% +	50%	5%	1 -	39%	58.61	2.95	$173.08	23
B	1,887	1 -	32%	0.128	50%	0.42% +	50%	5%	1 -	39%	30.87	2.72	$83.82	21
C	459	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	39%	21.03	0.68	$14.30	5
D	3,793	1 -	31%	0.128	50%	0.42% +	50%	5%	1 -	39%	26.57	5.54	$147.14	43
Lifesaving														
Category A	457	1 -	78%	0.500	50%	0.42% +	50%	5%	1 -	50%	58.61	0.68	$39.92	1
Schools														
Category A	6,321	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	0%	58.61	59.95	$3,513.94	120
D	6,321	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	0%	26.57	59.95	$1,593.00	120
Waste Removal														
Category A	50	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	50%	58.61	0.24	$13.90	0
												1,616.98	$87,993.80	5,769
	1,189,683													

Hours	Item 12	Item 13	Responses
285.09	$15,297.76	$71,143.17	3,422

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. 0.019783
* 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.

Sector	Exposures	1- % Vaccinated	% Not Vaccinated	Employee Time	Source Participation Rate	RSS	Sources Refusing Test	Attributable to High Risk Group	1 - Compliance Rate	Non-Compliance Rate	Hours	Cost 12	Cost Item 13	Responses
Office of the Physicians														
Category A	179,493	(1 - 73%)	27%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 27%)	73% =	79.90	$4,287.19	79.90	959
C	0	(1 - 55%)	45%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 27%)	73% =	0.00	$0.00	0.00	0
D	0	(1 - 87%)	13%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 27%)	73% =	0.00	$0.00	0.00	0
Office of Dentists														
Category A	279,485	(1 - 92%)	8%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 19%)	81% =	40.90	$2,194.69	40.90	491
C	43,075	(1 - 44%)	56%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 19%)	81% =	44.13	$2,367.76	44.13	530
Nursing Homes														
Category A	35,746	(1 - 38%)	62%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 31%)	69% =	34.53	$1,853.13	34.53	414
C	5,002	(1 - 31%)	69%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 31%)	69% =	5.38	$288.59	5.38	65
D	4,636	(1 - 30%)	70%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 31%)	69% =	5.06	$271.35	5.06	61
Hospitals														
Category A	254,449	(1 - 77%)	23%	x 0.083333333 x (	50%	x 1.25% +	50% x	5%) x	(1 - 76%)	24% =	36.58	$1,962.72	36.58	439
B	34,579	(1 - 77%)	23%	x 0.083333333 x (	50%	x 1.25% +	50% x	5%) x	(1 - 76%)	24% =	4.97	$266.73	4.97	60
C	30,799	(1 - 62%)	38%	x 0.083333333 x (	50%	x 1.25% +	50% x	5%) x	(1 - 76%)	24% =	7.31	$392.51	7.31	88
Medical and Dental Labs														
Category A	5,177	(1 - 79%)	21%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 86%)	14% =	0.34	$18.44	0.34	4
C	0	(1 - 38%)	62%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 86%)	14% =	0.00	$0.00	0.00	0
D	487	(1 - 30%)	70%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 86%)	14% =	0.11	$5.78	0.11	1
Home Health Care														
Category A	6,244	(1 - 52%)	48%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 67%)	33% =	2.23	$119.86	2.23	27
C	0	(1 - 30%)	70%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 67%)	33% =	0.00	$0.00	0.00	0
D	2,575	(1 - 84%)	16%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 67%)	33% =	0.31	$16.48	0.31	4
Hospices														
Category A	684	(1 - 58%)	42%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 60%)	40% =	0.26	$13.93	0.26	3
C	0	(1 - 82%)	18%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 60%)	40% =	0.00	$0.00	0.00	0
D	215	(1 - 30%)	70%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 60%)	40% =	0.14	$7.30	0.14	2
Hemodialysis														
Category A	4,684	(1 - 92%)	8%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 93%)	7% =	0.06	$3.18	0.06	1
C	477	(1 - 58%)	42%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 93%)	7% =	0.03	$1.70	0.03	0
D	141	(1 - 81%)	19%	x 0.083333333 x (	50%	x 0.42% +	150% x	5%) x	(1 - 93%)	7% =	0.01	$0.65	0.01	0
Drug Rehabilitation														
Category A	283	(1 - 78%)	22%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 77%)	23% =	0.03	$1.74	0.03	0
C	0			0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 77%)	23% =	0.00	$0.00	0.00	0
D	0	(1 - 30%)	70%	x 0.083333333 x (	50%	x 0.42% +	150% x	5%) x	(1 - 77%)	23% =	0.00	$0.00	0.00	0
Government Clinics														
Category A	16,013	(1 - 73%)	27%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 27%)	73% =	7.13	$382.47	7.13	86
C	0	(1 - 55%)	45%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 27%)	73% =	0.00	$0.00	0.00	0
D	0	(1 - 87%)	13%	x 0.083333333 x (	50%	x 0.42% +	150% x	5%) x	(1 - 27%)	73% =	0.00	$0.00	0.00	0
Blood/Plasma/Tissue Centers														
Category A	6,453	(1 - 65%)	35%	x 0.083333333 x (	50%	x 0.10% +	50% x	5%) x	(1 - 66%)	34% =	1.63	$87.56	1.63	20
C	139	(1 - 44%)	56%	x 0.083333333 x (	50%	x 0.10% +	50% x	5%) x	(1 - 66%)	34% =	0.06	$3.02	0.06	1
D	197	(1 - 51%)	49%	x 0.083333333 x (	50%	x 0.10% +	50% x	5%) x	(1 - 66%)	34% =	0.07	$3.74	0.07	1
Residential Care														
Category A	4,850	(1 - 64%)	36%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 39%)	61% =	2.41	$129.07	2.41	29
C	388	(1 - 30%)	70%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 39%)	61% =	0.37	$20.08	0.37	4
D	2,571	(1 - 73%)	27%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 39%)	61% =	0.96	$51.31	0.96	11
Personnel Services														
Category A	2,993	(1 - 38%)	62%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 83%)	17% =			256.47	
D	0.00	(1 - 30%)	70%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 0%)	100% =			0.00	
Funeral Services														
Category A	11,735	(1 - 67%)	33%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 31%)	69% =			2,172.38	
C	0.00	(1 - 30%)	70%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 31%)	69% =			0.00	
D	0.00	(1 - 64%)	36%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 31%)	69% =			0.00	
Health Units in Industry														
Category A	186,835	(1 - 60%)	40%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 2%)	98% =			59,543.57	
B	0.00	(1 - 42%)	58%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 2%)	98% =			0.00	
D	0.00	(1 - 30%)	70%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 2%)	98% =			0.00	
Research Labs														
Category A	494	(1 - 81%)	19%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 70%)	30% =			22.89	
C	0.00	(1 - 45%)	55%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 70%)	30% =			0.00	
D	0.00	(1 - 81%)	19%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 70%)	30% =			0.00	
Linen Service														
D	3,000	(1 - 30%)	70%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 90%)	10% =			170.73	
Medical Equipment Repair														
Category A	0	(1 - 41%)	59%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 26%)	74% =			0.00	
B	0	(1 - 37%)	63%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 26%)	74% =			0.00	
C	161	(1 - 36%)	64%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 26%)	74% =			61.99	
D	2,464	(1 - 30%)	70%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 26%)	74% =			1,037.67	
Law Enforcement														
Category A	18,993	(1 - 42%)	58%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 96%)	4% =	1.00	$53.40	1.00	12
B	2,770	(1 - 92%)	8%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 96%)	4% =	0.02	$1.07	0.02	0
C	1,444	(1 - 31%)	69%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 96%)	4% =	0.09	$4.83	0.09	1
D	4,204	(1 - 46%)	54%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 96%)	4% =	0.21	$11.00	0.21	2
Fire and Rescue														
Category A	10,411	(1 - 89%)	11%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 71%)	29% =			270.01	
B	857	(1 - 86%)	14%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 71%)	29% =			28.29	
D	2,158	(1 - 92%)	8%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 71%)	29% =			40.70	
Correctional Facilities														
Category A	3,034	(1 - 54%)	46%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 30%)	70% =	2.21	$118.39	2.21	26
B	1,887	(1 - 32%)	68%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 30%)	70% =	2.03	$108.85	2.03	24
C	459	(1 - 30%)	70%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 30%)	70% =	0.51	$27.26	0.51	6
D	3,793	(1 - 31%)	69%	x 0.083333333 x (	50%	x 0.42% +	50% x	5%) x	(1 - 30%)	70% =	4.14	$222.01	4.14	50
Lifesaving														
Category A	457	(1 - 76%)	24%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 50%)	50% =			44.58	
Schools														
Category A	6,321	(1 - 30%)	70%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 0%)	100% =			3,597.28	
D	6,321	(1 - 30%)	70%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 0%)	100% =			3,597.28	
Waste Removal														
Category A	50	(1 - 30%)	70%	x $30.00 x (	50%	x 0.42% +	50% x	5%) x	(1 - 50%)	50% =			14.23	
Totals	1,189,683										285	$15,297.76	71,143.17	3,422

Hours	Item 12	Item 13	Responses
11.60	$449.25	NA	56

Hepatitis B Immuine 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 ranges from 7.68 to 30 minutes.
*Source will agree to be tested in 50% of exposure incidents.

Table 9

Sector	Exposures		% Vaccinated			Employee Time		Source Participation Rate		RSS		% Refusing Test		1 - Compliance Rate	Non Compliance Rate	Hours	Costs Item 12	Responses
Office of Physicians																		
Category A	179,493	x	73%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-25%)	75%	1.36	$52.82	11
C	0	x	55%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-25%)	75%	0.00	$0.00	0
D	0	x	87%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-25%)	75%	0.00	$0.00	0
Office of Dentists																		
Category A	279,485	x	92%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-11%)	89%	3.18	$123.01	25
C	43,075	x	44%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-11%)	89%	0.23	$9.07	2
Nursing Homes																		
Category A	35,746	x	38%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-35%)	65%	0.12	$4.75	1
C	5,002	x	31%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-35%)	65%	0.01	$0.54	0
D	4,636	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-35%)	65%	0.01	$0.49	0
Hospitals																		
Category A	254,449	x	77%	x	10% x 4%	x 0.128	x (	50%	x	1.25%	+	50%	x 5%	(1-74%)	16%	0.50	$19.43	4
B	34,579	x	77%	x	10% x 4%	x 0.128	x (	50%	x	1.25%	+	50%	x 5%	(1-74%)	16%	0.07	$2.64	1
C	30,799	x	62%	x	10% x 4%	x 0.128	x (	50%	x	1.25%	+	50%	x 5%	(1-74%)	16%	0.05	$1.89	0
Medical and Dental Labs																		
Category A	5,177	x	79%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-38%)	62%	0.04	$1.36	0
C	0	x	38%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-38%)	62%	0.00	$0.00	0
D	487	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-38%)	62%	0.00	$0.05	0
Home Health																		
Category A	6,244	x	52%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-61%)	39%	0.02	$0.68	0
C	0	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-61%)	39%	0.00	$0.00	0
D	2,575	x	84%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-61%)	39%	0.01	$0.45	0
Hospices																		
Category A	684	x	58%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-39%)	61%	0.00	$0.13	0
C	0	x	82%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-39%)	61%	0.00	$0.00	0
D	215	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-39%)	61%	0.00	$0.02	0
Hemodialysis																		
Category A	4684	x	92%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-72%)	28%	0.02	$0.65	0
C	477	x	68%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-72%)	28%	0.00	$0.05	0
D	141	x	81%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-72%)	28%	0.00	$0.02	0
Drug Rehabilitation																		
Category A	283	x	78%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-30%)	70%	0.00	$0.08	0
C	0	x	100%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-30%)	70%	0.00	$0.00	0
D	0	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-30%)	70%	0.00	$0.00	0
Govenrment Clinics																		
Category A	16013	x	73%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-25%)	75%	0.12	$4.71	1
C	0	x	55%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-25%)	75%	0.00	$0.00	0
D	0	x	87%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-25%)	75%	0.00	$0.00	0
ood/Plasma/Tissue Centers																		
Category A	6453	x	65%	x	10% x 4%	x 0.128	x (	50%	x	0.10%	+	50%	x 5%	(1-58%)	42%	0.02	$0.89	0
C	139	x	44%	x	10% x 4%	x 0.128	x (	50%	x	0.10%	+	50%	x 5%	(1-58%)	42%	0.00	$0.01	0
D	197	x	71%	x	10% x 4%	x 0.128	x (	50%	x	0.10%	+	50%	x 5%	(1-58%)	42%	0.00	$0.03	0
Residential Care																		
Category A	4850	x	64%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-34%)	66%	0.03	$1.10	0
C	388	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-34%)	66%	0.00	$0.04	0
D	2571	x	73%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-34%)	66%	0.02	$0.67	0
Personnel Services																		
Category A	2993	x	38%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-80%)	20%	0.01	$0.48	0
D	0	x	30%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-0%)	100%	0.00	$0.00	0
Funeral Services																		
Category A	11735	x	67%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-20%)	80%	0.34	$13.21	1
C	0	x	30%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-20%)	80%	0.00	$0.00	0
D	0	x	64%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-20%)	80%	0.00	$0.00	0
Health Units in Industry																		
Category A	186,835	x	60%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-14%)	86%	5.23	$202.43	10
B	0	x	42%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-14%)	86%	0.00	$0.00	0
C	0	x	30%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-14%)	86%	0.00	$0.00	0
Research Labs																		
Category A	494	x	81%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-20%)	80%	0.02	$0.67	0
C	0	x	42%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-20%)	80%	0.00	$0.00	0
D	0	x	81%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-20%)	80%	0.00	$0.00	0
Linen Service																		
D	3000	x	30%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-90%)	10%	0.00	$0.19	0
Medical Equipment Repair																		
Category A	0	x	41%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-26%)	74%	0.00	$0.00	0
B	0	x	37%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-26%)	74%	0.00	$0.00	0
C	161	x	36%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-26%)	74%	0.00	$0.09	0
D	2464	x	30%	x	10% x 4%	x 0.500	x (	50%	x	0.42%	+	50%	x 5%	(1-26%)	74%	0.03	$1.15	0
Law Enforcement																		
Category A	18993	x	42%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-96%)	4%	0.00	$0.17	0
B	2770	x	92%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-96%)	4%	0.00	$0.05	0
C	1444	x	31%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-96%)	4%	0.00	$0.01	0
D	4204	x	46%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-96%)	4%	0.00	$0.04	0
Fire and Rescue																		
Category A	10411	x	89%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-71%)	29%	0.04	$1.44	0
B	857	x	86%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-71%)	29%	0.00	$0.11	0
D	2158	x	92%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-71%)	29%	0.01	$0.31	0
Correctional Facilities																		
Category A	3034	x	54%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-39%)	61%	0.01	$0.54	0
B	1887	x	32%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-39%)	61%	0.01	$0.20	0
C	459	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-39%)	61%	0.00	$0.05	0
D	3793	x	31%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-39%)	61%	0.01	$0.39	0
Lifesaving																		
Category A	457	x	76%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-50%)	50%	0.00	$0.09	0
Schools																		
Category A	6321	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-0%)	100%	0.03	$1.02	0
D	6321	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-0%)	100%	0.03	$1.02	0
Waste Removal																		
Category A	50	x	30%	x	10% x 4%	x 0.128	x (	50%	x	0.42%	+	50%	x 5%	(1-50%)	50%	0.00	$0.00	0
Total	1,189,683															**11.60**	**$449.25**	**56**

Hours	Item 12	Item 13	Responses
4.03	$222.03	$2,784.17	48

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

Hour = # exposures x % vaccinated x 10% x 4% x health professional time x [(source participation rate x RSS + (% of sources refusing test x 5%)] x (1 - compliance)

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

ASSUMPTIONS:

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

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

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

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

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

TABLE 10

Cost of HBIG = $211

Sector	Exposures	% Vaccinated				Employee Time	Source Participation Rate	RSS	% Refusing Test				Compliance Rate	Wage	Hours	#12	#13	Responses
Office of Physicans																		
Category A	179,493 x	73% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	25%	58.61	0.89	$52.03	$1	11
C	0 x	55% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	25%	21.03	0.00	$0.00	$0	0
D	0 x	87% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	25%	26.57	0.00	$0.00	$0	0
Office of Dentists																		
Category A	279,485 x	92% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	11%	58.61	2.07	$121.00	$2	25
C	43,075 x	44% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	11%	21.03	0.15	$3.00	$0	2
Nursing Homes																		
Category A	35,746 x	38% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	35%	58.61	0.08	$5.00	$0	1
C	5,002 x	31% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	35%	21.03	0.01	$0.00	$0	0
D	4,636 x	30% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	35%	26.57	0.01	$0.00	$0	0
Hospitals																		
Category A	254,449 x	54% x	10% x	4% x	0.08333333 x [	50% x	1.25% +	50% x	5%)]	x(	1	-	74%	58.61	0.37	$22.00	$0	4
B	34,579 x	54% x	10% x	4% x	0.08333333 x [	50% x	1.25% +	50% x	5%)]	x(	1	-	74%	30.87	0.05	$2.00	$0	1
C	30,799 x	69% x	10% x	4% x	0.08333333 x [	50% x	1.25% +	50% x	5%)]	x(	1	-	74%	21.03	0.06	$1.00	$0	1
Medical and Dental Labs																		
Category A	5,117 x	58% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	38%	58.61	0.02	$1.00	$0	0
C	0 x	88% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1		38%	21.03	0.00	$0.00		
D	487 x	100% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	38%	26.57	0.00	$0.00	$0	0
Home Health																		
Category A	6,244 x	77% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	61%	58.61	0.02	$1.00	$0	0
C	0 x	100% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1		61%	21.03	0.00	$0.00		
D	2,575 x	88% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	61%	26.57	0.01	$0.00	$0	0
Hospices																		
Category A	684 x	77% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	39%	58.61	0.00	$0.00	$0	0
C	0 x	37% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1		39%	21.03	0.00	$0.00		
D	215 x	100% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	39%	26.57	0.00	$0.00	$0	0
Hemodialysis																		
Category A	4,684 x	33% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	72%	58.61	0.00	$0.00	$0	0
Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)																		
C	477 x	69% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	72%	21.03	0.00	$0.00	$0	0
D	141 x	48% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	72%	26.57	0.00	$0.00	$0	0
Drug Rehabilitation																		
Category A	283 x	49% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	30%	58.61	0.00	$0.00	$0	0
C	0 x	35% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	30%	21.03	0.00	$0.00	$0	0
D	0 x	100% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	30%	26.57	0.00	$0.00	$0	0
Government Clinics																		
Category A	16,013 x	57% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	25%	58.61	0.06	$4.00	$0	1
C	0 x	67% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	25%	21.03	0.00	$0.00	$0	0
D	0 x	37% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	25%	26.57	0.00	$0.00	$0	0
Blood/Plasma/Tissue Centers																		
Category A	6,453 x	60% x	10% x	4% x	0.08333333 x [	50% x	0.10% +	50% x	5%)]	x(	1	-	58%	58.61	0.01	$1.00	$0	0
C	139 x	80% x	10% x	4% x	0.08333333 x [	50% x	0.10% +	50% x	5%)]	x(	1	-	58%	21.03	0.00	$0.00	$0	0
D	197 x	51% x	10% x	4% x	0.08333333 x [	50% x	0.10% +	50% x	5%)]	x(	1	-	58%	26.57	0.00	$0.00	$0	0
Residential Care																		
Category A	4,850 x	73% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	34%	58.61	0.02	$1.00	$0	0
C	388 x	100% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	34%	21.03	0.00	$0.00	$0	0
D	2,571 x	42% x	10% x	4% x	0.08333333 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	34%	26.57	0.01	$0.00	$0	0
Personnel Services																		
Category A	2,993 x	88% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	80%	58.61			$12.05	
D	0 x	100% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	0%	26.57			$0.00	
Funeral Services																		
Category A	11,735 x	65% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	20%	58.61			$139.57	
C	0 x	100% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	20%	21.03			$0.00	
D	0 x	63% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	20%	26.57			$0.00	
Health Units in Industry																		
Category A	186,835 x	70% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	14%	58.61			$2,572.57	
B	0 x	83% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	14%	30.87			$0.00	
C	0 x	100% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	14%	21.03			$0.00	
Research Labs																		
Category A	494 x	54% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	20%	58.61			$4.88	
C	0 x	79% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	20%	21.03			$0.00	
D	0 x	54% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	20%	26.57			$0.00	
Linen Services																		
Category D	3,000 x	100% x	10% x	4% x	$211 x [	50% x	0.42% +	50% x	5%)]	x(	1	-	90%				$6.86	
Medical Equipment Repair																		
CategoryA	0 x	84%	10% x	4% x	$211	50% x	0.42% +	50% x	5%)]	x(	1	-	26%				$0.00	
B	0 x	90	10% x	4% x	$211	50% x	0.42% +	50% x	5%)]	x(	1	-	26%	30.87			$0.00	
C	161 x	92%	10% x	4% x	$211	50% x	0.42% +	50% x	5%)]	x(	1	-	26%	21.03			$2.51	
D	2,464	100%	10% x	4% x	$211	50% x	0.42% +	50% x	5%)]	x(	1	-	26%	26.57			$41.70	
Law Enforcement																		
Category A	18,993 x	83% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	96%	58.61	0.01	$0.00	$0.01	0
B	2,770 x	47% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	96%	30.87	0.00	$0.00	$0.00	0
Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)																		
C	1,444 x	98% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	96%	21.03	0.00	$0.00	$0.00	0
D	4,204 x	77% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	96%	26.57	0.00	$0.00	$0.00	0
Fire and Rescue																		
Category A	10,411 x	34% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	71%	58.61	0.01	$1.00	$0.01	0
B	857 x	44% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	71%	30.87	0.00	$0.00	$0.00	0
D	2,158 x	31% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	71%	26.57	0.00	$0.00	$0.00	0
Correctional Facilities																		
Category A	3,034 x	79% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	39%	58.61	0.01	$1.00	$0.01	0
B	1,887 x	97% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	39%	30.87	0.01	$0.00	$0.01	0
C	459 x	90% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	39%	21.03	0.00	$0.00	$0.00	0
D	3,793 x	98% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	39%	26.57	0.02	$1.00	$0.02	0
Livesaving																		
Category A	457 x	75% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	50%	58.61	0.00	$0.00	$0.00	0
Schools																		
Category A	6,321	100% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	0%	58.61	0.06	$3.00	$0.06	1
D	6,321	100% x	10% x	4% x	0.08333333	50% x	0.42% +	50% x	5%)]	x(	1	-	0%	26.57	0.06	$2.00	$0.06	1
Waste Removal																		

Category A	50	100%	x	10%	x	4%	x	0.08333333	50%	x	0.42%	+	50%	x	5%	)]	x(	1	-	50%	58.61	0.00	$0.00	$0.00	0
																			TOTAL			**4.03**	**$222.03**	**$2,784.17**	**48**
	1,189,623																								

Hours	Item 12	Item 13	Responses
335.82	$18,123.45	NA	1,258

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
* Employee time ranges from 7.68 to 30 minutes.
* Source participation rate is 50%

TABLE 11

Sector	Exposures			% Vaccinated		Employee Time			Source Participation Rate	RSS		% Refusing Test			Compliance Rate	Wage	HOURS	#12	RESPONSES
Office of the Physicians																			
Cateoorv A	179.493	*	1 -	73%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	25%	58.61	27.74	$1,625.72	217
C	0	*	1 -	55%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	25%	21.03	0.00	$0.00	0
D	0	*	1 -	87%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	25%	26.57	0.00	$0.00	0
Office of Dentists																			
Cateoorv A	279.485	*	1 -	92%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	11%	58.61	15.19	$890.05	119
C	43,075	*	1 -	44%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	11%	21.03	16.38	$344.54	128
Nursing Homes																			
Category A	35,746	*	1 -	38%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	35%	58.61	10.99	$644.33	86
C	5.002	*	1 -	31%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	35%	21.03	1.71	$36.00	13
D	4,636	*	1 -	30%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	35%	26.57	1.61	$42.77	13
Hospitals																			
Category A	254,449	*	1 -	77%	* 22%	0.128	* [	(	50%	1.25%	+	50%	5%	1 -	74%	58.61	13.39	$784.80	105
B	34.579	*	1 -	77%	* 22%	0.128	* [	(	50%	1.25%	+	50%	5%	1 -	74%	30.87	1.82	$56.17	14
C	30,799	*	1 -	62%	* 22%	0.128	* [	(	50%	1.25%	+	50%	5%	1 -	74%	21.03	2.68	$56.31	21
Medical and Dental Labs																			
Category A	5,177	*	1 -	79%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	38%	58.61	0.51	$30.15	4
C	0	*	1 -	38%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	38%	21.03	0.00	$0.00	0
D	487	*	1 -	30%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	38%	26.57	0.16	$4.29	1
Home Health Care																			
Category A	6,244	*	1 -	52%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	61%	58.61	0.89	$52.28	7
C	0	*	1 -	30%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	61%	21.03	0.00	$0.00	0
D	2,575	*	1 -	84%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	61%	26.57	0.12	$3.26	1
Hospices																			
Category A	684	*	1 -	58%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	39%	58.61	0.13	$7.84	1
C	0	*	1 -	82%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	39%	21.03	0.00	$0.00	0
D	215	*	1 -	30%	* 22%	0.128	* [	(	50%	0.42%	+	50%	5%	1 -	39%	26.57	0.07	$1.86	1
Hemodialysis																			
Category A	4,684	*	1 -	92%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	72%	58.61	0.08	$4.69	1
C	477	*	1 -	68%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	72%	21.03	0.03	$0.69	0
D	141	*	1 -	81%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	72%	26.57	0.01	$0.15	0
Drug Rehabilitation												50%							
Category A	283	*	1 -	78%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	30%	58.61	0.03	$1.95	0
C	0	*	1 -	100%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	30%	21.03	0.00	$0.00	0
D	0	*	1 -	30%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	30%	26.57	0.00	$0.00	0
Government Clinics																			
Category A	16,013	*	1 -	73%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	25%	58.61	2.47	$145.03	19
C	0.00		1 -	55%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	25%	21.03	0.00	$0.00	0
D	0.00		1 -	87%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	25%	26.57	0.00	$0.00	0
Blood/Plasma/Tissue Centers																			
Category A	6,453	*	1 -	65%	* 22%	0.128	* [	(	50%	0.10%	+	(50%	5%	1 -	58%	58.61	0.68	$39.92	5
C	139	*	1 -	44%	* 22%	0.128	* [	(	50%	0.10%	+	(50%	5%	1 -	58%	21.03	0.02	$0.49	0
D	197	*	1 -	71%	* 22%	0.128	* [	(	50%	0.10%	+	(50%	5%	1 -	58%	26.57	0.02	$0.46	0
Residential Care																			
Category A	4,850	*	1 -	64%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	34%	58.61	0.88	$51.54	7
C	388	*	1 -	30%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	34%	21.03	0.14	$2.88	1
D	2,571	*	1 -	73%	* 22%	0.128	* [	(	50%	0.42%	+	(50%	5%	1 -	34%	26.57	0.35	$9.29	3
Personnel Services																			
Category A	2,993	*	1 -	38%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	80%	58.61	1.11	$64.84	2
D	0.00	*	1 -	30%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	0%	26.57	0.00	$0.00	0
Funeral Services																			
Category A	11,735	*	1 -	67%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	20%	58.61	9.24	$541.28	18
C	0.00	*	1 -	30%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	20%	21.03	0.00	$0.00	0
D	0.00	*	1 -	64%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	20%	26.57	0.00	$0.00	0
Health Units in Industry																			
Category A	186,835	*	1 -	60%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	14%	58.61	191.59	$11,229.24	383
B	0.00	*	1 -	42%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	14%	30.87	0.00	$0.00	0
D	0.00	*	1 -	30%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	14%	26.57	0.00	$0.00	0
Research Labs																			
Category A	494	*	1 -	81%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	20%	58.61	0.22	$13.12	0
C	0.00	*	1 -	45%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	20%	21.03	0.00	$0.00	0
D	0.00	*	1 -	81%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	20%	26.57	0.00	$0.00	0
Linen Service																			
D	3,000	*	1 -	30%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	90%	26.57	0.63	$16.63	1
Medical Equipment Repair																			
Category A	0		1 -	41%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	26%	58.61	0.00	$0.00	0
B	0		1 -	37%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	26%	30.87	0.00	$0.00	0
C	161	*	1 -	36%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	26%	21.03	0.23	$4.78	0
D	2,464	*	1 -	30%	* 22%	0.500	* [	(	50%	0.42%	+	(50%	5%	1 -	26%	26.57	3.80	$101.09	8
Law Enforcement																			
Category A	18,993	*	1 -	42%	* 22%	0.128	[		50%	0.42%	+	(50%	5%	1 -	96%	58.61	0.34	$19.71	3
B	2,770	*	1 -	92%	* 22%	0.128	[		50%	0.42%	+	(50%	5%	1 -	96%	30.87	0.01	$0.21	0
C	1,444	*	1 -	31%	* 22%	0.128	[		50%	0.42%	+	(50%	5%	1 -	96%	21.03	0.03	$0.64	0
D	4,204	*	1 -	46%	* 22%	0.128	[		50%	0.42%	+	(50%	5%	1 -	96%	26.57	0.07	$1.84	1
Fire and Rescue																			
Category A	10,411	*	1 -	89%	* 22%	0.5	[		50%	0.42%	+	(50%	5%	1 -	71%	58.61	0.99	$58.03	2
B	857	*	1 -	86%	* 22%	0.5	[		50%	0.42%	+	(50%	5%	1 -	71%	30.87	0.10	$3.20	0
D	2,158	*	1 -	92%	* 22%	0.5	[		50%	0.42%	+	(50%	5%	1 -	71%	26.57	0.15	$3.97	0
Correctional Facilities																			
Category A	3,034	*	1 -	54%	* 22%	0.128	[		50%	0.42%	+	(50%	5%	1 -	39%	58.61	0.65	$38.08	5
B	1,887	*	1 -	32%	* 22%	0.128	[		50%	0.42%	+	(50%	5%	1 -	39%	30.87	0.60	$18.44	5
C	459	*	1 -	30%	* 22%	0.128	[		50%	0.42%	+	(50%	5%	1 -	39%	21.03	0.15	$3.15	1
D	3,793	*	1 -	31%	* 22%	0.128	[		50%	0.42%	+	(50%	5%	1 -	39%	26.57	1.22	$32.37	10
Lifesaving																			
Category A	457	*	1 -	78%	* 22%	0.5	[		50%	0.42%	+	(50%	5%	1 -	50%	58.61	0.15	$8.78	0
Schools																			
Category A	6,321	*	1 -	30%	* 22%	0.5	[		50%	0.42%	+	(50%	5%	1 -	0%	58.61	13.19	$773.07	26
D	6,321	*	1 -	30%	* 22%	0.5	[		50%	0.42%	+	(50%	5%	1 -	0%	26.57	13.19	$350.46	26
Waste Removal																			
Category A	50	*	1 -	30%	* 22%	0.5	[		50%	0.42%	+	(50%	5%	1 -	50%	58.61	0.05	$3.08	0
Totals	1,189,683																335.82	$18,123.45	1,258

Hours	Item 12	Item 13	Responses
65.87	$3,534.57	$99,018.58	792

HBIG: Non Vaccinated Workers (Health Care Professional)
Hours = # exposures x (1-% vaccinated) x 22% x health care professional time x [(source participation rate x RSS) + (% of sources refusing test * 5%)] x (1-compliance rate)
Costs = # exposures x (1-% vaccinated) x 22% x cost of HBIG [(source participation rate x RSS) + (% of sources refusing test x 5%)] x (1-compliance rate)
ASSUMPTIONS:
*HBIG will be offered only to those non-vaccinated workers who are found not to have natural immunity.
*22% of non-vaccinated workers do not have natural immunity.
*HBIG will be consided 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.
*Employee time ranges from 7.68 minutes to 30 minutes.
*Source will agree to be tested in 50% of exposure incidents.
*COST of HBIG = $211.

Table 12

Sector	Expossures			% Vaccinated		Employee Time		Source Participation Rate	RSS	% Refusing Test			Compliance Rate		HOURS	#12	13#	Responses
Office of the Physicians																		
Category A	179,493	*	1 -	73%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	25%	=	18.06	$969.02		217
C	0	*	1 -	55%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	25%	=	0.00	$0.00		0
D	0	*	1 -	87%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	25%	=	0.00	$0.00		0
Office of Dentists																		
Category A	279,485	*	1 -	92%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	11%	=	9.89	$530.52		119
C	43,075	*	1 -	44%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	11%	=	10.67	$572.35		128
Nursing Homes																		
Category A	35,746	*	1 -	38%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	35%	=	7.16	$384.06		86
C	5,002	*	1 -	31%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	35%	=	1.11	$59.81		13
D	4,636	*	1 -	30%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	35%	=	1.05	$56.24		13
Hospitals																		
Category A	254,449	*	1 -	77%	22%	0.083333333	* [(	50%	1.25%	50%	5%	1	74%	=	8.72	$467.78		105
B	34,579	*	1 -	77%	22%	0.083333333	* [(	50%	1.25%	50%	5%	1	74%	=	1.18	$63.57		14
C	30,799	*	1 -	62%	22%	0.083333333	* [(	50%	1.25%	50%	5%	1	74%	=	1.74	$93.55		21
Medical and Dental Labs																		
Category A	5,177	*	1 -	79%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	38%	=	0.33	$17.97		4
C	0	*	1 -	38%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	38%	=	0.00	$0.00		0
D	487	*	1 -	30%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	38%	=	0.11	$5.63		1
Home Health Care																		
Category A	6,244	*	1 -	52%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	61%	=	0.58	$31.16		7
C	0	*	1 -	30%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	61%	=	0.00	$0.00		0
D	2,575	*	1 -	84%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	61%	=	0.08	$4.28		1
Hospices																		
Category A	684	*	1 -	58%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	39%	=	0.09	$4.67		1
C	0	*	1 -	82%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	39%	=	0.00	$0.00		0
D	215	*	1 -	30%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	39%	=	0.05	$2.45		1
Hemodialysis																		
Category A	4,684	*	1 -	92%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	72%	=	0.05	$2.80		1
C	477	*	1 -	68%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	72%	=	0.02	$1.14		0
D	141	*	1 -	81%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	72%	=	0.00	$0.20		0
Drug Rehabilitation																		
Category A	283	*	1 -	78%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	30%	=	0.02	$1.16		0
C	0	*	1 -	100%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	30%	=	0.00	$0.00		0
D	0	*	1 -	30%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	30%	=	0.00	$0.00		0
Government Clinics																		
Category A	16,013	*	1 -	73%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	25%	=	1.61	$86.45		19
C	0.00		1 -	55%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	25%	=	0.00	$0.00		0
D	0.00		1 -	87%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	25%	=	0.00	$0.00		0
Blood/Plasma/Tissue Centers																		
Category A	6,453	*	1 -	65%	22%	0.083333333	* [(	50%	0.10%	50%	5%	1	58%	=	0.44	$23.80		5
C	139	*	1 -	44%	22%	0.083333333	* [(	50%	0.10%	50%	5%	1	58%	=	0.02	$0.82		0
D	197	*	1 -	71%	22%	0.083333333	* [(	50%	0.10%	50%	5%	1	58%	=	0.01	$0.60		0
Residential Care																		
Category A	4,850	*	1 -	64%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	34%	=	0.57	$30.72		7
C	388	*	1 -	30%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	34%	=	0.09	$4.78		1
D	2,571	*	1 -	73%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	34%	=	0.23	$12.21		3
Personnel Services																		
Category A	2,993	*	1 -	38%	22%	$211	* [(	50%	0.42%	50%	5%	1	80%	=			$467	
D	0.00	*	1 -	30%	22%	$211	* [(	50%	0.42%	50%	5%	1	0%	=			$0	
Funeral Services																		
Category A	11,735	*	1 -	67%	22%	$211	* [(	50%	0.42%	50%	5%	1	20%	=			$3,897	
C	0.00	*	1 -	30%	22%	$211	* [(	50%	0.42%	50%	5%	1	20%	=			$0	
D	0.00	*	1 -	64%	22%	$211	* [(	50%	0.42%	50%	5%	1	20%	=			$0	
Health Units in Industry																		
Category A	186,835	*	1 -	60%	22%	$211	* [(	50%	0.42%	50%	5%	1	14%	=			$80,852	
B	0.00	*	1 -	42%	22%	$211	* [(	50%	0.42%	50%	5%	1	14%	=			$0	
D	0.00	*	1 -	30%	22%	$211	* [(	50%	0.42%	50%	5%	1	14%	=			$0	
Research Labs																		
Category A	494	*	1 -	81%	22%	$211	* [(	50%	0.42%	50%	5%	1	20%	=			$94	
C	0.00	*	1 -	45%	22%	$211	* [(	50%	0.42%	50%	5%	1	20%	=			$0	
D	0.00	*	1 -	81%	22%	$211	* [(	50%	0.42%	50%	5%	1	20%	=			$0	
Linen Service																		
D	3,000	*	1 -	30%	22%	$211	* [(	50%	0.42%	50%	5%	1	90%	=			$264	
Medical Equipment Repair																		
Category A	0		1 -	41%	22%	$211	* [(	50%	0.42%	50%	5%	1	26%	=			$0	
B	0		1 -	37%	22%	$211	* [(	50%	0.42%	50%	5%	1	26%	=			$0	
C	161	*	1 -	36%	22%	$211	* [(	50%	0.42%	50%	5%	1	26%	=			$96	
D	2,464	*	1 -	30%	22%	$211	* [(	50%	0.42%	50%	5%	1	26%	=			$1,606	
Law Enforcement																		
Category A	18,993	*	1 -	42%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	96%	=	0.22	$11.75		3
B	2,770	*	1 -	92%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	96%	=	0.00	$0.24		0
C	1,444	*	1 -	31%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	96%	=	0.02	$1.06		0
D	4,204	*	1 -	46%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	96%	=	0.05	$2.42		1
Fire and Rescue																		
Category A	10,411	*	1 -	89%	22%	$211	* [(	50%	0.42%	50%	5%	1	71%	=			$418	
B	857	*	1 -	86%	22%	$211	* [(	50%	0.42%	50%	5%	1	71%	=			$44	
D	2,158	*	1 -	92%	22%	$211	* [(	50%	0.42%	50%	5%	1	71%	=			$63	
Correctional Facilities																		
Category A	3,034	*	1 -	54%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	39%	=	0.42	$22.70		5
B	1,887	*	1 -	32%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	39%	=	0.39	$20.87		5
C	459	*	1 -	30%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	39%	=	0.10	$5.23		1
D	3,793	*	1 -	31%	22%	0.083333333	* [(	50%	0.42%	50%	5%	1	39%	=	0.79	$42.56		10
Lifesaving																		
Category A	457	*	1 -	78%	22%	$211	* [(	50%	0.42%	50%	5%	1	50%	=			$63	
Schools																		
Category A	6,321	*	1 -	30%	22%	$211	* [(	50%	0.42%	50%	5%	1	0%	=			$5,566	
D	6,321	*	1 -	30%	22%	$211	* [(	50%	0.42%	50%	5%	1	0%	=			$5,566	
Waste Removal																		
Category A	50	*	1 -	30%	22%	$211	* [(	50%	0.42%	50%	5%	1	50%	=			$22	
Totals	1,189,683														65.87	$3,534.57	$99,018.58	792

Hours	Item 12	Item 13	Responses
280,022.66	$10,848,077.72	NA	1,293,200

HIV Antibody Tests (Employee Time)

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

Assumptions:

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

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

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

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

*Employee time ranges from 7.68 to 30 minutes.

TABLE 13

Sector	Exposures		Employee Participation Rate		% Refusing Test		Source Participation Rate		RSS		No. of Tests		Employee Time		Compliance Rate	HOURS	#12	Responses
Offices of Physicians	179,493	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 24%	28,161.23	$1,090,965.98	220,010
Office of Dentists	322,560	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 10%	59,929.89	$2,321,684.07	468,202
Nursing Homes	45,384	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 23%	7,214.13	$279,475.41	56,360
Hospitals	319,827	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 65%	23,108.60	$895,227.20	180,536
Medical and Dental Labs	5,664	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 89%	128.62	$4,982.71	1,005
Home Health Care	8,819	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 58%	764.64	$29,622.30	5,974
Hospices	899	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 47%	98.36	$3,810.53	768
Hemodialysis	5,302	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 69%	339.31	$13,144.73	2,651
Drug Rehabilitation	283	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 60%	23.37	$905.31	183
Government Clinics	16,013	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 24%	2,512.33	$97,327.69	19,628
Blood/Plasma/Tissue Centers	6,789	x	80%	x (	50%	+ (	50%	x	0.05%	)) x	4	x	0.128	x (	1 57%	598.17	$23,172.93	4,673
Residential Care	7,809	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.128	x (	1 7%	1,499.23	$58,080.25	11,713
Personnel Services	2,993	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 77%	555.12	$21,505.26	1,110
Funeral Services	11,735	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 22%	7,381.22	$285,948.51	14,762
Health Units in Industry	186,835	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 14%	129,570.82	$5,019,573.56	259,142
Research Labs	494	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 60%	159.34	$6,173.01	319
Linen Services	3,000	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 90%	241.92	$9,371.98	484
Medical Equipment Repair	2,625	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 0%	2,116.80	$82,004.83	4,234
Law Enforcement	27,411	x	80%	x (	50%	+ (	50%	x	17.00%	)) x	4	x	0.128	x (	1 91%	591.13	$22,900.39	4,618
Fire and Rescue	13,426	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 68%	3,464.55	$134,216.76	6,929
Correctional Facilities	9,173	x	80%	x (	50%	+ (	50%	x	17.00%	)) x	4	x	0.128	x (	1 47%	1,164.94	$45,129.73	9,101
Lifesaving	457	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 50%	184.26	$7,138.33	369
Schools	12,642	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 0%	10,194.51	$394,935.27	20,389
Waste Removal	50	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.500	x (	1 50%	20.16	$781.00	40
Totals	1,189,683															280,022.66	$10,848,077.72	1,293,200

Hours	Item 12	Item 13	Responses
82,118.46	$4,406,476.39	$6,237,666.73	164,236

HIV Antibody Test
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 ranges from 7.68 to 30 minutes.

TABLE 14

Sector	Exposures		Employee Participation Rate		% Refusing Test		Source Participation Rate		RSS		No. of Tests		Employee Time		Compliance Rate	HOURS	#12	#13	RESPONSES
Offices of Physicians	179,493	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	24%	18,334.13	$983,809.58	$18,334	36,668
Office of Dentists	322,560	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	10%	39,016.86	$2,093,644.58	$39,017	78,034
Nursing Homes	45,384	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	23%	4,696.70	$252,024.89	$4,697	9,393
Hospitals	319,827	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	65%	15,044.66	$807,296.57	$15,045	30,089
Medical and Dental Labs	5,664	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	89%	83.74	$4,493.30	$84	167
Home Health Care	8,819	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	58%	497.81	$26,712.75	$498	996
Hospices	899	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	47%	64.04	$3,436.26	$64	128
Hemodialysis	5,302	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	69%	220.90	$11,853.63	$221	442
Drug Rehabilitation	283	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	60%	15.21	$816.39	$15	30
Government Clinics	16,013	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	24%	1,635.63	$87,768.01	$1,636	3,271
Blood/Plasma/Tissue Centers	6,789	x	80%	x (	50%	+ (	50%	x	0.05%	)) x	4	x	0.08333333	1	57%	389.43	$20,896.85	$389	779
Residential Care	7,809	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	0.08333333	1	7%	976.06	$52,375.52	$976	1,952
Personnel Services	2,993	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	77%		$0.00	$22,205	
Funeral Services	11,735	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	22%		$0.00	$295,249	
Health Units in Industry	186,835	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	14%		$0.00	$5,182,833	
Research Labs	494	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	60%		$0.00	$6,374	
Linen Services	3,000	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	90%		$0.00	$9,677	
Medical Equipment Repair	2,625	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	0%		$0.00	$84,672	
Law Enforcement	27,411	x	80%	x (	50%	+ (	50%	x	17.00%	)) x	4	x	0.08333333	1	91%	384.85	$20,651.07	$385	770
Fire and Rescue	13,426	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	68%	0.00	$0.00	$138,582	0
Correctional Facilities	9,173	x	80%	x (	50%	+ (	50%	x	17.00%	)) x	4	x	0.08333333	1	47%	758.42	$40,697.01	$758	1,517
Lifesaving	457	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	50%		$0.00	$7,370	
Schools	12,642	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	0%		$0.00	$407,780	
Waste Removal	50	x	80%	x (	50%	+ (	50%	x	0.80%	)) x	4	x	$20.00	1	50%		$0.00	$806	
Totals	1,189,683															82,118.46	**$4,406,476.39**	**$6,237,666.73**	**164,236**

Hours	Item 12	Item 13	Responses
619,986.72	$28,193,896.03	NA	964,062

Counseling for Workers Who May Have HIV Exposure
(Employee and Counselor Time)
Hours = # exposures x employee 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.

TABLE 15

Sector	Exposures		Employee Participation Rate		% Refusing Test		Source Participation Rate		RSS		No. of Sessions		Employee Time		Counselor Time			Compliance Rate	HOURS	#12	RESPONSES
Offices of Physicians	179,493	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	34%	95,530.48	$4,344,248.69	144,743
Office of Dentists	322,560	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	15%	221,095.53	$10,054,319.06	260,112
Nursing Homes	45,384	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	24%	27,814.22	$1,264,851.64	36,598
Hospitals	319,827	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	73%	69,635.29	$3,166,664.95	257,908
Medical and Dental Labs	5,664	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	70%	1,370.23	$62,311.43	4,567
Home Health Care	8,819	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	24%	5,404.85	$245,785.45	7,112
Hospices	899	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	31%	500.22	$22,747.41	725
Hemodialysis	5,302	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	61%	1,667.46	$75,827.64	4,276
Drug Rehabilitation	283	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	63%	84.44	$3,839.82	228
Government Clinics	16,013	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	16%	10,846.82	$493,259.23	12,913
Blood/Plasma/Tissue Centers	6,789	x	80%	x (	50%	+ (	50%	x	0.05%		2	x (	0.5	+	0.5	)	x (1	99%	54.34	$2,471.07	5,434
Residential Care	7,809	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	11%	5,604.49	$254,864.09	6,297
Personnel Services	2,993	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	67%	796.47	$36,219.62	2,414
Funeral Services	11,735	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	6%	8,895.32	$404,514.58	9,463
Health Units in Industry	186,835	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	1%	149,157.11	$6,782,919.42	150,664
Research Labs	494	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	30%	278.85	$12,680.85	398
Linen Services	3,000	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	90%	241.92	$11,001.31	2,419
Medical Equipment Repair	2,625	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	0%	2,116.80	$96,261.48	2,117
Law Enforcement	27,411	x	80%	x (	50%	+ (	50%	x	17.00%		2	x (	0.5	+	0.5	)	x (1	89%	2,822.24	$128,341.21	25,657
Fire and Rescue	13,426	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	73%	2,923.22	$132,933.25	10,827
Correctional Facilities	9,173	x	80%	x (	50%	+ (	50%	x	17.00%		2	x (	0.5	+	0.5	)	x (1	68%	2,747.50	$124,942.42	8,586
Lifesaving	457	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	50%	184.26	$8,379.33	369
Schools	12,642	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	0%	10,194.51	$463,595.29	10,195
Waste Removal	50	x	80%	x (	50%	+ (	50%	x	0.80%		2	x (	0.5	+	0.5	)	x (1	50%	20.16	$916.78	40
Totals	1,189,683																		619,986.72	$28,193,896.03	964,062

Hours	Item 12	Item 13	Responses
965,943.17	$26,399,226.94	NA	4,256,292

Recordkeeping: Medical Records
Hours = [((# workers x 10 minutes (10/60 hour) + (# potentially vaccinated x 15 minutes (15/60 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 l 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

Table 18

Sector			No. of Workers		Vaccinated workers		Job Turnover Rate		Exposures				Hours	No .12 Costs	Response
SectorCategory	Office of the Physicians														
Office of the PhysiciansA	Category A	[((	1,264,025 x	0.167) + (	374,657 x	0.25))	22.80%] + [	179,493 x (	0.0833 +	0.25)] =			129,219.39	$3,531,565.97	553,112
Office of the PhysiciansC	C	[((	9,104 x	0.167) + (	2,013 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			638.49	$17,450.01	3,513
Office of the PhysiciansD	D	[((	91,031 x	0.167) + (	21,893 x	0.25))	21.80%] + [	0 x (	0.0833 +	0.25)] =			4,500.62	$123,001.86	24,617
Office of Dentists	Office of Dentists						] + [								
Office of DentistsA	Category A	[((	490,298 x	0.167) + (	121,349 x	0.25))	26.80%] + [	279,485 x (	0.0833 +	0.25)] =			123,192.01	$3,366,837.52	443,406
Office of DentistsC	C	[((	4,699 x	0.167) + (	1,128 x	0.25))	31.60%] + [	43,075 x (	0.0833 +	0.25)] =			14,694.92	$401,612.08	44,916
Nursing Homes	Nursing Homes						] + [								
Nursing HomesA	Category A	[((	665,043 x	0.167) + (	189,537 x	0.25))	49.90%] + [	35,746 x (	0.0833 +	0.25)] =			90,869.46	$2,483,462.35	462,181
Nursing HomesC	C	[((	42,906 x	0.167) + (	14,374 x	0.25))	31.60%] + [	5,002 x (	0.0833 +	0.25)] =			5,062.62	$138,361.36	23,103
Nursing HomesD	D	[((	7,151 x	0.167) + (	1,323 x	0.25))	31.60%] + [	4,636 x (	0.0833 +	0.25)] =			2,026.47	$55,383.30	7,314
Hospitals	Hospitals						] + [								
HospitalsA	Category A	[((	2,363,094 x	0.167) + (	727,360 x	0.25))	27.20%] + [	254,449 x (	0.0833 +	0.25)] =			241,403.76	$6,597,564.66	1,095,053
HospitalsB	B	[((	201,910 x	0.167) + (	62,148 x	0.25))	21.80%] + [	34,579 x (	0.0833 +	0.25)] =			22,249.46	$608,077.74	92,144
HospitalsC	C	[((	314,082 x	0.167) + (	95,355 x	0.25))	31.60%] + [	30,799 x (	0.0833 +	0.25)] =			34,341.04	$938,540.67	160,181
Medical and Dental Labs	Medical and Dental Labs						] + [								
Medical and Dental LabsA	Category A	[((	282,394 x	0.167) + (	104,825 x	0.25))	21.70%] + [	5,177 x (	0.0833 +	0.25)] =			17,625.68	$481,709.83	89,204
Medical and Dental LabsC	C	[((	2,175 x	0.167) + (	574 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			159.88	$4,369.41	869
Medical and Dental LabsD	D	[((	245,191 x	0.167) + (	73,557 x	0.25))	31.60%] + [	487 x (	0.0833 +	0.25)] =			18,886.75	$516,174.82	101,211
Home Health	Home Health						] + [								
Home HealthA	Category A	[((	336,402 x	0.167) + (	98,431 x	0.25))	36.30%] + [	6,244 x (	0.0833 +	0.25)] =			31,366.27	$857,240.21	164,088
Home HealthC	C	[((	4,973 x	0.167) + (	1,492 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			379.77	$10,379.15	2,043
Home HealthD	D	[((	10,442 x	0.167) + (	7,535 x	0.25))	36.30%] + [	2,575 x (	0.0833 +	0.25)] =			2,173.90	$59,412.60	9,101
Hospices	Hospices						] + [								
HospicesA	Category A	[((	10,565 x	0.167) + (	3,742 x	0.25))	36.30%] + [	684 x (	0.0833 +	0.25)] =			1,206.77	$32,981.00	5,877
HospicesC	C	[((	154 x	0.167) + (	28 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			10.32	$282.12	58
HospicesD	D	[((	27 x	0.167) + (	8 x	0.25))	36.30%] + [	215 x (	0.0833 +	0.25)] =			74.03	$2,023.14	228
Hemodialysis	Hemodialysis						] + [								
HemodialysisA	Category A	[((	4,964 x	0.167) + (	1,261 x	0.25))	25.50%] + [	4,684 x (	0.0833 +	0.25)] =			1,852.69	$50,634.07	6,271
HemodialysisC	C	[((	87 x	0.167) + (	32 x	0.25))	31.60%] + [	477 x (	0.0833 +	0.25)] =			166.11	$4,539.79	515
HemodialysisD	D	[((	230 x	0.167) + (	66 x	0.25))	21.80%] + [	141 x (	0.0833 +	0.25)] =			58.95	$1,611.20	206
Drug Rehabilitation	Drug Rehabilitation						] + [								
Drug RehabilitationA	Category A	[((	6,067 x	0.167) + (	1,665 x	0.25))	25.50%] + [	283 x (	0.0833 +	0.25)] =			458.32	$12,526.01	2,255
Drug RehabilitationC	C	[((	149 x	0.167) + (	52 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			11.96	$326.74	64
Drug RehabilitationD	D	[((	506 x	0.167) + (	152 x	0.25))	21.80%] + [	0 x (	0.0833 +	0.25)] =			26.67	$728.85	143
Government Clinics	Government Clinics						] + [								
Government ClinicsA	Category A	[((	52,156 x	0.167) + (	15,459 x	0.25))	22.80%] + [	16,013 x (	0.0833 +	0.25)] =			8,200.76	$224,126.71	31,429
Government ClinicsC	C	[((	381 x	0.167) + (	84 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			26.70	$729.77	147
Government ClinicsD	D	[((	3,808 x	0.167) + (	916 x	0.25))	21.80%] + [	0 x (	0.0833 +	0.25)] =			188.28	$5,145.67	1,030
Blood/Plasma/Tissue Centers	Blood/Plasma/Tissue Centers						] + [								
Blood/Plasma/Tissue CentersA	Category A	[((	39,213 x	0.167) + (	9,882 x	0.25))	21.80%] + [	6,453 x (	0.0833 +	0.25)] =			4,114.31	$112,443.99	17,156
Blood/Plasma/Tissue CentersC	C	[((	431 x	0.167) + (	103 x	0.25))	31.60%] + [	139 x (	0.0833 +	0.25)] =			77.17	$2,108.99	308
Blood/Plasma/Tissue CentersD	D	[((	840 x	0.167) + (	189 x	0.25))	36.30%] + [	197 x (	0.0833 +	0.25)] =			133.66	$3,652.95	571
Residential Care	Residential Care						] + [								
Residential Care A	Category A	[((	73,485 x	0.167) + (	26,821 x	0.25))	49.60%] + [	4,850 x (	0.0833 +	0.25)] =			11,017.19	$301,099.83	54,602
Residential Care C	C	[((	2,029 x	0.167) + (	1,015 x	0.25))	31.60%] + [	388 x (	0.0833 +	0.25)] =			316.38	$8,646.76	1,350
Residential Care D	D	[((	12,042 x	0.167) + (	2,529 x	0.25))	36.30%] + [	2,571 x (	0.0833 +	0.25)] =			1,815.03	$49,604.76	7,860
Personnel Services	Personnel Services						] + [								
Personnel ServicesA	Category A	[((	61,387 x	0.167) + (	16,206 x	0.25)	100.00%] + [	2,993 x (	0.0833 +	0.25)] =			15,280.33	$417,611.51	80,586
Personnel ServicesD	D	[((	102,090 x	0.167) + (	30,627 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			7,796.27	$213,072.14	41,939
Funeral Services	Funeral Services						] + [								
Funeral ServicesA	Category A	[((	53,233 x	0.167) + (	16,955 x	0.25))	21.80%] + [	0 x (	0.0833 +	0.25)] =			2,858.19	$78,114.28	15,301
Funeral ServicesC	C	[((	2,837 x	0.167) + (	1,419 x	0.25))	31.60%] + [	11,735 x (	0.0833 +	0.25)] =			4,173.19	$114,053.30	13,080
Funeral ServicesD	D	[((	3,376 x	0.167) + (	1,013 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			257.84	$7,046.79	1,387
Health Units in Industry	Health Units in Industry						] + [								
Health Units in IndustryA	Category A	[((	34,184 x	0.167) + (	10,289 x	0.25))	31.70%] + [	0 x (	0.0833 +	0.25)] =			2,621.46	$71,644.44	14,098
Health Units in IndustryB	B	[((	141,051 x	0.167) + (	35,122 x	0.25))	21.80%] + [	186,835 x (	0.0833 +	0.25)] =			69,317.34	$1,894,442.77	225,241
Health Units in IndustryD	D	[((	3,497 x	0.167) + (	315 x	0.25))	31.60%] + [	0 x (	0.0833 +	0.25)] =			209.06	$5,713.62	1,205
Research Labs	Research Labs						] + [								
Research LabsA	Category A	[((	87,484 x	0.167) + (	30,707 x	0.25))	21.80%] + [	0 x (	0.0833 +	0.25)] =			4,852.12	$132,608.35	25,766
Research LabsC	C	[((	1,315 x	0.167) + (	322 x	0.25))	31.60%] + [	494 x (	0.0833 +	0.25)] =			259.36	$7,088.35	1,011
Research LabsD	D	[((	352 x	0.167) + (	124 x	0.25))	21.80%] + [	0 x (	0.0833 +	0.25)] =			19.55	$534.23	104
Linen Service	Linen Service						] + [								
Linen ServiceD	D	[((	61,320 x	0.167) + (	18,396 x	0.25))	54.00%] + [	3,000 x (	0.0833 +	0.25)] =			9,002.26	$246,031.77	46,047
Medical Equipment Repair	Medical Equipment Repair						] + [								
Medical Equipment RepairA	Category A	[((	473 x	0.167) + (	119 x	0.25))	38.30%] + [	0 x (	0.0833 +	0.25)] =			41.59	$1,136.58	227
Medical Equipment RepairB	B	[((	200 x	0.167) + (	54 x	0.25))	38.30%] + [	0 x (	0.0833 +	0.25)] =			17.94	$490.22	97
Medical Equipment RepairC	C	[((	5,152 x	0.167) + (	1,422 x	0.25))	21.80%] + [	161 x (	0.0833 +	0.25)] =			318.36	$8,700.64	1,594
Medical Equipment RepairD	D	[((	360 x	0.167) + (	108 x	0.25))	21.80%] + [	2,464 x (	0.0833 +	0.25)] =			840.30	$22,965.38	2,566
Law Enforcement	Law Enforcement						] + [								
Law EnforcementA	Category A	[((	482,544 x	0.167) + (	120,153 x	0.25))	10.10%] + [	18,993 x (	0.0833 +	0.25)] =			17,487.69	$477,938.51	79,865
Law EnforcementB	B	[((	1,788 x	0.167) + (	698 x	0.25))	21.80%] + [	2,770 x (	0.0833 +	0.25)] =			1,026.36	$28,050.31	3,312
Law EnforcementC	C	[((	4,117 x	0.167) + (	1,210 x	0.25))	31.60%] + [	1,444 x (	0.0833 +	0.25)] =			793.73	$21,692.54	3,127
Law EnforcementD	D	[((	48,797 x	0.167) + (	11,272 x	0.25))	10.10%] + [	4,204 x (	0.0833 +	0.25)] =			2,507.37	$68,526.47	10,271
Fire and Rescue	Fire and Rescue						] + [								
Fire and RescueA	Category A	[((	195,588 x	0.167) + (	45,220 x	0.25))	21.80%] + [	10,411 x (	0.0833 +	0.25)] =			13,041.20	$356,416.00	62,907
Fire and RescueB	B	[((	234,316 x	0.167) + (	71,138 x	0.25))	8.50%] + [	857 x (	0.0833 +	0.25)] =			5,116.82	$139,842.76	26,821
Fire and RescueD	D	[((	3,040 x	0.167) + (	688 x	0.25))	38.30%] + [	2,158 x (	0.0833 +	0.25)] =			979.28	$26,763.84	3,586
Correctional Facilities	Correctional Facilities						] + [								
Correctional FacilitiesA	Category A	[((	20,592 x	0.167) + (	6,832 x	0.25))	31.70%] + [	3,034 x (	0.0833 +	0.25)] =			2,640.72	$72,170.77	11,727
Correctional FacilitiesB	B	[((	203,643 x	0.167) + (	59,260 x	0.25))	41.00%] + [	1,887 x (	0.0833 +	0.25)] =			20,618.75	$563,510.34	109,677
Correctional FacilitiesC	C	[((	17,870 x	0.167) + (	4,825 x	0.25))	31.60%] + [	459 x (	0.0833 +	0.25)] =			1,475.31	$40,320.30	7,631
Correctional FacilitiesD	D	[((	53,285 x	0.167) + (	15,666 x	0.25))	29.10%] + [	3,793 x (	0.0833 +	0.25)] =			4,988.35	$136,331.52	23,858
Lifesaving	Lifesaving						] + [								
LifesavingA	Category A	[((	5,000 x	0.167) + (	2,550 x	0.25))	21.80%] + [	457 x (	0.0833 +	0.25)] =			472.98	$12,926.41	2,103
Schools	Schools						] + [								
SchoolsA	Category A	[((	23,514 x	0.167) + (	7,054 x	0.25))	25.00%] + [	6,321 x (	0.0833 +	0.25)] =			3,527.63	$96,409.99	13,963
SchoolsD	D	[((	17,848 x	0.167) + (	5,354 x	0.25))	36.30%] + [	6,321 x (	0.0833 +	0.25)] =			3,672.68	$100,374.33	14,743
Waste Removal	Waste Removal						] + [								
Waste RemovalA	Category A	[((	13,300 x	0.167) + (	3,990 x	0.25))	36.30%] + [	50 x (	0.0833 +	0.25)] =			1,183.41	$32,342.57	6,326
	TOTALS		8,425,607		2,480,663			1,189,683					965,943.17	$26,399,227	4,256,292

Hours	Item 12	Item 13	Responses
160,153.70	$4,377,000.66	NA	9,609,226

Recordkeeping: Updating or Creating Training Records.
Hours + # employees x (1+ turnover rate/2) x 1 minutes (1/60 hour)
Assumptions
One minute per employee per year will be required to create or update training records

Table 19

	Sector	No. of Workers			Job Turnover Rate					Hours	Cost	Responses
SectorCategory	Office of Physicians											
Office of the PhysiciansA	Category A	1,264,025	x (	1 +	22.80%	/	2 x)	0.017	=	23,468.73	$641,400.32	1,408,124
Office of the PhysiciansC	C	9,104	x (	1 +	31.60%	/	2 x)	0.017	=	175.70	$4,801.96	10,542
Office of the PhysiciansD	D	91,031	x (	1 +	21.80%	/	2 x)	0.017	=	1,682.55	$45,984.11	100,953
Office of Dentists	Office of Dentists											
Office of DentistsA	Category A	490,298	x (	1 +	26.80%	/	2 x)	0.017	=	9,266.62	$253,256.81	555,997
Office of DentistsC	C	4,699	x (	1 +	31.60%	/	2 x)	0.017	=	90.69	$2,478.49	5,441
Nursing Homes	Nursing Homes											
Nursing HomesA	Category A	665,043	x (	1 +	49.90%	/	2 x)	0.017	=	13,849.51	$378,507.24	830,971
Nursing HomesC	C	42,906	x (	1 +	31.60%	/	2 x)	0.017	=	828.09	$22,631.81	49,686
Nursing HomesD	D	7,151	x (	1 +	31.60%	/	2 x)	0.017	=	138.01	$3,771.89	8,281
Hospitals	Hospitals								=			
HospitalsA	Category A	2,363,094	x (	1 +	27.20%	/	2 x)	0.017	=	44,741.25	$1,222,778.44	2,684,475
HospitalsB	B	201,910	x (	1 +	21.80%	/	2 x)	0.017	=	3,731.97	$101,994.70	223,918
HospitalsC	C	314,082	x (	1 +	31.60%	/	2 x)	0.017	=	6,061.79	$165,668.63	363,707
Medical and Dental Labs	Medical and Dental Labs											
Medical and Dental LabsA	Category A	282,394	x (	1 +	21.70%	/	2 x)	0.017	=	5,217.23	$142,586.97	313,034
Medical and Dental LabsC	C	2,175	x (	1 +	31.60%	/	2 x)	0.017	=	41.97	$1,147.04	2,518
Medical and Dental LabsD	D	245,191	x (	1 +	31.60%	/	2 x)	0.017	=	4,732.19	$129,330.84	283,932
Home Health	Home Health											
Home HealthA	Category A	336,402	x (	1 +	36.30%	/	2 x)	0.017	=	6,624.32	$181,042.60	397,459
Home HealthC	C	4,973	x (	1 +	31.60%	/	2 x)	0.017	=	95.98	$2,623.02	5,759
Home HealthD	D	10,442	x (	1 +	36.30%	/	2 x)	0.017	=	205.63	$5,619.80	12,338
Hospices	Hospices											
HospicesA	Category A	10,565	x (	1 +	36.30%	/	2 x)	0.017	=	208.04	$5,685.80	12,483
HospicesC	C	154	x (	1 +	31.60%	/	2 x)	0.017	=	2.97	$81.23	178
HospicesD	D	27	x (	1 +	36.30%	/	2 x)	0.017	=	0.53	$14.53	32
Hemodialysis	Hemodialysis											
HemodialysisA	Category A	4,964	x (	1 +	25.50%	/	2 x)	0.017	=	93.28	$2,549.39	5,597
HemodialysisC	C	87	x (	1 +	31.60%	/	2 x)	0.017	=	1.68	$45.89	101
HemodialysisD	D	230	x (	1 +	21.80%	/	2 x)	0.017	=	4.25	$116.18	255
Drug Rehabilitation	Drug Rehabilitation											
Drug RehabilitationA	Category A	6,067	x (	1 +	25.50%	/	2 x)	0.017	=	114.01	$3,115.87	6,841
Drug RehabilitationC	C	149	x (	1 +	31.60%	/	2 x)	0.017	=	2.88	$78.59	173
Drug RehabilitationD	D	506	x (	1 +	21.80%	/	2 x)	0.017	=	9.35	$255.61	561
Government Clinics	Government Clinics											
Government ClinicsA	Category A	52,156	x (	1 +	22.80%	/	2 x)	0.017	=	968.36	$26,465.36	58,102
Government ClinicsC	C	381	x (	1 +	31.60%	/	2 x)	0.017	=	7.35	$200.97	441
Government ClinicsD	D	3,808	x (	1 +	21.80%	/	2 x)	0.017	=	70.38	$1,923.61	4,223
Blood/Plasma/Tissue Centers	Blood/Plasma/Tissue Centers											
Blood/Plasma/Tissue CentersA	Category A	39,213	x (	1 +	21.80%	/	2 x)	0.017	=	724.79	$19,808.40	43,487
Blood/Plasma/Tissue CentersC	C	431	x (	1 +	31.60%	/	2 x)	0.017	=	8.32	$227.32	499
Blood/Plasma/Tissue CentersD	D	840	x (	1 +	36.30%	/	2 x)	0.017	=	16.55	$452.26	993
Residential Care	Residential Care											
Residential Care A	Category A	73,485	x (	1 +	49.60%	/	2 x)	0.017	=	1,528.48	$41,773.31	91,709
Residential Care C	C	2,029	x (	1 +	31.60%	/	2 x)	0.017	=	39.16	$1,070.28	2,350
Residential Care D	D	12,042	x (	1 +	36.30%	/	2 x)	0.017	=	237.12	$6,480.52	14,227
Personnel Services	Personnel Services											
Personnel ServicesA	Category A	61,387	x (	1 +	100.00%	/	2 x)	0.017	=	1,534.68	$41,942.67	92,081
Personnel ServicesD	D	102,090	x (	1 +	31.60%	/	2 x)	0.017	=	1,970.34	$53,849.31	118,220
Funeral Services	Funeral Services											
Funeral ServicesA	Category A	53,233	x (	1 +	21.80%	/	2 x)	0.017	=	983.93	$26,890.74	59,036
Funeral ServicesC	C	2,837	x (	1 +	31.60%	/	2 x)	0.017	=	54.76	$1,496.51	3,285
Funeral ServicesD	D	3,376	x (	1 +	31.60%	/	2 x)	0.017	=	65.16	$1,780.85	3,910
Health Units in Industry	Health Units in Industry											
Health Units in IndustryA	Category A	34,184	x (	1 +	31.70%	/	2 x)	0.017	=	660.04	$18,038.79	39,602
Health Units in IndustryB	B	141,051	x (	1 +	21.80%	/	2 x)	0.017	=	2,607.09	$71,251.84	156,426
Health Units in IndustryD	D	3,497	x (	1 +	31.60%	/	2 x)	0.017	=	67.49	$1,844.56	4,050
Research Labs	Research Labs											
Research LabsA	Category A	87,484	x (	1 +	21.80%	/	2 x)	0.017	=	1,617.00	$44,192.50	97,020
Research LabsC	C	1,315	x (	1 +	31.60%	/	2 x)	0.017	=	25.38	$693.62	1,523
Research LabsD	D	352	x (	1 +	21.80%	/	2 x)	0.017	=	6.51	$177.81	390
Linen Service	Linen Service											
Linen ServiceD	D	61,320	x (	1 +	54.00%	/	2 x)	0.017	=	1,297.94	$35,472.70	77,876
Medical Equipment Repair	Medical Equipment Repair											
Medical Equipment RepairA	Category A	473	x (	1 +	38.30%	/	2 x)	0.017	=	9.39	$256.71	564
Medical Equipment RepairB	B	200	x (	1 +	38.30%	/	2 x)	0.017	=	3.97	$108.55	238
Medical Equipment RepairC	C	5,152	x (	1 +	21.80%	/	2 x)	0.017	=	95.23	$2,602.53	5,714
Medical Equipment RepairD	D	360	x (	1 +	21.80%	/	2 x)	0.017	=	6.65	$181.85	399
Law Enforcement	Law Enforcement											
Law EnforcementA	Category A	482,544	x	1 +	10.10%	/	2 x)	0.017	=	8,448.54	$230,898.65	506,913
Law EnforcementB	B	1,788	x (	1 +	21.80%	/	2 x)	0.017	=	33.06	$903.45	1,983
Law EnforcementC	C	4,117	x (	1 +	31.60%	/	2 x)	0.017	=	79.45	$2,171.33	4,767
Law EnforcementD	D	48,797	x (	1 +	10.10%	/	2 x)	0.017	=	854.36	$23,349.61	51,262
Fire and Rescue	Fire and Rescue											
Fire and RescueA	Category A	195,588	x (	1 +	21.80%	/	2 x)	0.017	=	3,615.12	$98,801.36	216,907
Fire and RescueB	B	234,316	x (	1 +	8.50%	/	2 x)	0.017	=	4,071.24	$111,266.89	244,274
Fire and RescueD	D	3,040	x	1 +	38.30%	/	2 x)	0.017	=	60.38	$1,650.08	3,623
Correctional Facilities	Correctional Facilities											
Correctional FacilitiesA	Category A	20,592	x (	1 +	31.70%	/	2 x)	0.017	=	397.60	$10,866.36	23,856
Correctional FacilitiesB	B	203,643	x (	1 +	41.00%	/	2 x)	0.017	=	4,089.83	$111,774.99	245,390
Correctional FacilitiesC	C	17,870	x (	1 +	31.60%	/	2 x)	0.017	=	344.89	$9,425.71	20,693
Correctional FacilitiesD	D	53,285	x (	1 +	29.10%	/	2 x)	0.017	=	1,017.30	$27,802.68	61,038
Lifesaving	Lifesaving											
LifesavingA	Category A	5,000	x (	1 +	21.80%	/	2 x)	0.017	=	92.42	$2,525.75	5,545
Schools	Schools											
SchoolsA	Category A	23,514	x (	1 +	25.00%	/	2 x)	0.017	=	440.89	$12,049.46	26,453
SchoolsD	D	17,848	x (	1 +	36.30%	/	2 x)	0.017	=	351.46	$9,605.32	21,087
Waste Removal	Waste Removal			+								
Waste RemovalA	Category D	13,300	x (	1 +	36.30%	/	2 x)	0.017	=	261.90	$7,157.70	15,714
	TOTALS	8,425,607								160,153.70	$4,377,000.66	9,609,226