

Hours Item 12 Item 13 Responses
 258,565 \$11,574,066 NA 316,121
 Hepatitis B Vaccination (Employee Time)
 Hours = # of workers x (% non-vaccinated) x employee participation rate x employee time x occupational turnover rate

TABLE 2

Assumptions:

To receive the vaccination and post vaccination is 38 minutes (.63 hour) for categories A and B; 23 minutes (.38 hour) for Categories C and D; only health care workers receive post vaccinations.
 For Sectors where a physician, dentist or licensed nurses is not normally on the premises, employee time to receive the vaccination and post vaccination is 115 minutes (1.92 hour) for categories A and B; 100 minutes (1.67 hours) for Categories C and D.

Sector	Category	Sector/Category	Sector/Employment Category	Employees	% Non-Vaccinated	Employee Participation Rate	Employee Time (Hours)	Occupational Turnover Rate	Hours	Wage Rates	#12	Responses
Office of the Physicians		Office of the Physicians	Office of the Physicians									
Office of the f A		Office of the Category A	Office of the Category A	1,270,003 x	57% x	52% x	0.63 x	6.90%	16,363	\$51.26	\$838,767	25,973
Office of the f C		Office of the C	Office of the C	9,147 x	67% x	33% x	0.38 x	9.80%	75	\$17.25	\$1,294	197
Office of the f D		Office of the D	Office of the D	91,461 x	37% x	65% x	0.38 x	12.90%	1,078	\$23.22	\$25,031	2,837
Office of Dentists		Office of Dei	Office of Dentists									
Office of Den A		Office of Dei	Category A	471,012 x	33% x	75% x	0.63 x	1.60%	1,175	\$51.26	\$60,231	1,865
Office of Den C		Office of Dei	C	4,514 x	80% x	30% x	0.38 x	9.80%	40	\$17.25	\$690	105
Nursing Homes (75% employees)		Nursing Hor	Nursing Homes (75% employees on- site)									
Nursing Hom A		Nursing Hor	Category A	525,280 x	57% x	50% x	0.63 x	24.80%	23,390	\$51.26	\$1,198,971	37,127
Nursing Hom C		Nursing Hor	C	33,889 x	67% x	50% x	0.38 x	9.80%	423	\$17.25	\$7,297	1,113
Nursing Hom D		Nursing Hor	D	5,648 x	37% x	50% x	0.38 x	9.80%	39	\$23.22	\$906	103
Nursing Homes (25% employees)		Nursing Hor	Nursing Homes (25% employees off-site)									
Nursing Hom A		Nursing Hor	Category A	131,320 x	57% x	50% x	1.92 x	24.80%	17,821	\$51.26	\$913,504	9,282
Nursing Hom C		Nursing Hor	C	8,472 x	67% x	50% x	1.67 x	9.80%	464	\$17.25	\$8,004	278
Nursing Hom D		Nursing Hor	D	1,412 x	37% x	50% x	1.67 x	9.80%	43	\$23.22	\$998	26
Hospitals		Hospitals	Hospitals									
Hospitals A		HospitalsA	Category A	2,371,307 x	54% x	57% x	0.63 x	14.70%	67,595	\$51.26	\$3,464,920	107,294
Hospitals B		HospitalsB	B	202,612 x	54% x	57% x	0.63 x	12.90%	5,068	\$27.60	\$139,877	8,044
Hospitals C		HospitalsC	C	315,174 x	69% x	44% x	0.38 x	9.80%	3,563	\$17.25	\$61,462	9,376
Medical and Dental Labs		Medical and	Medical and Dental Labs									
Medical and f A		Medical and	Category A	234,940 x	58% x	64% x	0.63 x	12.90%	7,088	\$51.26	\$363,331	11,251
Medical and f C		Medical and	C	1,809 x	88% x	30% x	0.38 x	9.80%	18	\$17.25	\$311	47
Medical and f D		Medical and	D	203,988 x	100% x	30% x	0.38 x	9.80%	2,279	\$23.22	\$52,918	5,997
Home Health		Home Health	Home Health									
Home Health A		Home Health	Category A	288,088 x	77% x	38% x	0.63 x	22.30%	11,843	\$51.26	\$607,072	18,798
Home Health C		Home Health	C	4,259 x	100% x	30% x	0.38 x	9.80%	48	\$17.25	\$828	126
Home Health D		Home Health	D	8,943 x	88% x	82% x	0.38 x	22.50%	552	\$23.22	\$12,817	1,453
Hospices		Hospices	Hospices									
Hospices A		HospicesA	Category A	10,565 x	77% x	46% x	0.63 x	22.50%	530	\$51.26	\$27,168	841
Hospices C		HospicesC	C	154 x	37% x	50% x	0.38 x	9.80%	1	\$17.25	\$17	3
Hospices D		HospicesD	D	27 x	100% x	30% x	0.38 x	22.50%	1	\$23.22	\$23	3
Hemodialysis		Hemodialysi	Hemodialysis									
Hemodialysis A		Hemodialysi	Category A	4,964 x	33% x	77% x	0.63 x	15.40%	122	\$51.26	\$6,254	194
Hemodialysis C		Hemodialysi	C	87 x	69% x	54% x	0.38 x	22.50%	3	\$17.25	\$52	8
Hemodialysis D		Hemodialysi	D	230 x	48% x	60% x	0.38 x	12.90%	3	\$23.22	\$70	8
Drug Rehabilitation		Drug Rehab	Drug Rehabilitation									
Drug Rehabil A		Drug Rehab	Category A	6,067 x	49% x	56% x	0.63 x	15.40%	162	\$51.26	\$8,304	257
Drug Rehabil C		Drug Rehab	C	149 x	35% x	100% x	0.38 x	22.50%	4	\$17.25	\$69	11
Drug Rehabil D		Drug Rehab	D	506 x	100% x	30% x	0.38 x	12.90%	7	\$23.22	\$163	18
Government Clinics		Government	Government Clinics									
Government f A		Government	Category A	52,156 x	57% x	52% x	0.63 x	13.50%	1,315	\$51.26	\$67,407	2,087
Government f C		Government	C	381 x	67% x	33% x	0.38 x	9.80%	3	\$17.25	\$52	8
Government f D		Government	D	3,808 x	37% x	65% x	0.38 x	12.90%	45	\$23.22	\$1,045	118
Blood/Plasma/Tissue Centers		Blood/Plasmr	Blood/Plasma/Tissue Centers									
Blood/Plasma A		Blood/Plasmr	Category A	33,828 x	60% x	42% x	0.63 x	12.90%	693	\$51.26	\$35,523	1,100
Blood/Plasma C		Blood/Plasmr	C	372 x	80% x	30% x	0.38 x	9.80%	3	\$17.25	\$52	8
Blood/Plasma D		Blood/Plasmr	D	725 x	51% x	44% x	0.38 x	22.50%	14	\$23.22	\$325	37
Residential Care (75% employees)		Residential f	Residential Care (75% employees on- site)									
Residential C A		Residential f	Category A	53,656 x	73% x	50% x	0.63 x	24.30%	2,998	\$51.26	\$153,677	4,759
Residential C C		Residential f	C	1,482 x	100% x	50% x	0.38 x	9.80%	28	\$17.25	\$483	74
Residential C D		Residential f	D	8,793 x	42% x	50% x	0.38 x	9.80%	69	\$23.22	\$1,602	182
Residential Care (25% employees)		Residential f	Residential Care (25% employees off-site)									
Residential C A		Residential f	Category A	13,414 x	73% x	50% x	1.92 x	24.30%	2,284	\$51.26	\$117,078	1,190

Residential C C	Residential I C	371 x	100% x	50% x	1.67 x	9.80%	30	\$17.25	\$518	18
Residential C D	Residential I D	2,198 x	42% x	50% x	1.67 x	9.80%	76	\$23.22	\$1,765	46
Personal Services	Personal Se Personal Services									
Personnel Se A	Personnel S Category A	61,387 x	88% x	30% x	1.92 x	8.70%	2,707	\$51.26	\$138,761	1,410
Personnel Se D	Personnel S D	102,090 x	100% x	30% x	1.67 x	9.80%	5,012	\$23.22	\$116,379	3,001
Funeral Services	Funeral Sen Funeral Services									
Funeral Servi A	Funeral Sen Category A	53,377 x	65% x	49% x	1.92 x	12.90%	4,211	\$51.26	\$215,856	2,193
Funeral Servi C	Funeral Sen C	2,845 x	100% x	50% x	1.67 x	9.80%	233	\$17.25	\$4,019	140
Funeral Servi D	Funeral Sen D	3,385 x	100% x	30% x	1.67 x	9.80%	166	\$23.22	\$3,855	99
Health Units in Industry	Health Units Health Units in Industry									
Health Units i A	Health Units Category A	34,184 x	70% x	43% x	1.92 x	19.50%	3,852	\$51.26	\$197,454	2,006
Health Units i B	Health Units B	141,051 x	83% x	30% x	1.92 x	9.80%	6,608	\$27.60	\$182,381	3,442
Health Units i D	Health Units D	3,497 x	30% x	30% x	1.67 x	12.90%	68	\$23.22	\$1,579	41
Research Labs	Research Lz Research Labs									
Research Lat A	Research Lz Category A	87,484 x	54% x	65% x	1.92 x	12.90%	7,605	\$51.26	\$389,832	3,961
Research Lat C	Research Lz C	1,315 x	79% x	31% x	1.67 x	9.80%	53	\$17.25	\$914	32
Research Lat D	Research Lz D	352 x	54% x	65% x	1.67 x	12.90%	27	\$23.22	\$627	16
Linen Service	Linen Servic Linen Service									
Linen Service D	Linen Servic D	58,840 x	100% x	30% x	1.67 x	9.80%	2,889	\$23.22	\$67,083	1,730
Medical Equipment Repair	Medical Equ Medical Equipment Repair									
Medical Equip A	Medical Equ Category A	473 x	84% x	30% x	1.92 x	22.50%	51	\$51.26	\$2,614	27
Medical Equip B	Medical Equ B	200 x	90% x	30% x	1.92 x	12.90%	13	\$27.60	\$359	7
Medical Equip C	Medical Equ C	5,152 x	92% x	30% x	1.67 x	12.90%	306	\$17.25	\$5,279	183
Medical Equip D	Medical Equ D	360 x	100% x	30% x	1.67 x	22.50%	41	\$23.22	\$952	25
Law Enforcement	Law Enforc Law Enforcement									
Law Enforcer A	Law Enforc Category A	471,070 x	83% x	30% x	0.63 x	7.80%	5,764	\$51.26	\$295,463	9,149
Law Enforcer B	Law Enforc B	1,746 x	47% x	83% x	0.63 x	9.80%	42	\$27.60	\$1,159	67
Law Enforcer C	Law Enforc C	4,019 x	98% x	30% x	0.38 x	7.80%	35	\$17.25	\$604	92
Law Enforcer D	Law Enforc D	47,637 x	77% x	30% x	0.38 x	12.90%	539	\$23.22	\$12,516	1,418
Fire and Rescue	Fire and Res Fire and Rescue									
Fire and Rest A	Fire and Res Category A	175,965 x	34% x	68% x	1.92 x	12.90%	10,076	\$51.26	\$516,496	5,248
Fire and Rest B	Fire and Res B	210,807 x	44% x	69% x	1.92 x	22.50%	27,648	\$27.60	\$763,085	14,400
Fire and Rest D	Fire and Res D	2,735 x	31% x	73% x	1.67 x	7.80%	81	\$23.22	\$1,881	49
Correctional Facilities	Correctional Correctional Facilities									
Correctional f A	Correctional Category A	21,671 x	79% x	42% x	0.63 x	19.50%	883	\$51.26	\$45,263	1,402
Correctional f B	Correctional B	214,315 x	97% x	30% x	0.63 x	12.90%	5,068	\$27.60	\$139,877	8,044
Correctional f C	Correctional C	18,806 x	90% x	30% x	0.38 x	17.70%	342	\$17.25	\$5,900	900
Correctional f D	Correctional D	56,077 x	98% x	30% x	0.38 x	7.80%	489	\$23.22	\$11,355	1,287
Lifesaving	Lifesaving Lifesaving									
Lifesaving A	LifesavingA Category A	5,000 x	75% x	68% x	1.92 x	12.90%	632	\$51.26	\$32,396	329
Schools	Schools Schools									
Schools A	SchoolsA Category A	23,514 x	100% x	30% x	1.92 x	15.00%	2,032	\$51.26	\$104,160	1,058
Schools D	SchoolsD D	17,848 x	100% x	30% x	1.67 x	22.50%	2,012	\$23.22	\$46,719	1,205
Waste Removal	Waste Rem Waste Removal									
Waste Remo A	Waste Rem Category A	13,300 x	100% x	30% x	1.92 x	22.50%	1,724	\$51.26	\$88,372	898
	Total						258,565		\$11,574,066	316,121

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

Personnel ServicesD	D	102,090	100%	30%	\$128 x	9.80%			\$384,185	
Funeral Services	Funeral Services									
Funeral ServicesA	Category A	53,377	65%	49%	\$218 x	12.90%			\$478,090	
Funeral ServicesC	C	2,845	100%	50%	\$128 x	9.80%			\$17,843	
Funeral ServicesD	D	3,385	100%	30%	\$128 x	12.90%			\$16,770	
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	58,840	100%	30%	\$128 x	9.80%			\$221,427	
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	471,070	83%	30%	0.5 x	7.80%	4,575	\$216,672		9,150
Law EnforcementB	B	1,746	47%	83%	0.25 x	9.80%	17	\$805		68
Law EnforcementC	C	4,019	98%	30%	0.25 x	7.80%	23	\$1,089		92
Law EnforcementD	D	47,637	77%	30%	0.25	12.90%	355	\$16,813		1,420
Fire and Rescue	Fire and Rescue									
Fire and RescueA	Category A	175,965	34%	68%	\$218 x	12.90%			\$1,144,090	
Fire and RescueB	B	210,807	44%	69%	\$218 x	22.50%			\$3,139,247	
Fire and RescueD	D	2,735	31%	73%	\$128 x	7.80%			\$6,180	
Correctional Facilities	Correctional Facilities									
Correctional FacilitiesA	Category A	21,671	79%	42%	0.5 x	19.50%	701	\$33,199		1,402
Correctional FacilitiesB	B	214,315	97%	30%	0.25 x	12.90%	2,011	\$95,241		8,044
Correctional FacilitiesC	C	18,806	90%	30%	0.25 x	17.70%	225	\$10,656		900
Correctional FacilitiesD	D	56,077	98%	30%	0.25 x	7.80%	321	\$15,203		1,284
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	Totals						122,291	\$5,791,702	\$10,403,212	263,782

Blood/Plasma/Tissue CentersA	Category A	6,453	x[(	65%	10%	4%	50%)+(	-	1	65%	50%)]x	0.083 x(	1 -	100%	51.26	0	\$0	0
Blood/Plasma/Tissue CentersC	C	139	x[(	44%	10%	4%	50%)+(	-	1	44%	50%)]x	0.083 x(	1 -	100%	17.25	0	\$0	0
Blood/Plasma/Tissue CentersD	D	497	x[(	71%	10%	4%	50%)+(	-	1	71%	50%)]x	0.083 x(	1 -	100%	23.22	0	\$0	0
Residential Care	Residential Care																	
Residential CareA	Category A	4,850	x[(	64%	10%	4%	50%)+(	-	1	64%	50%)]x	0.083 x(	1 -	85%	51.26	11	\$564	133
Residential CareB	C	388	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	0.083 x(	1 -	85%	17.25	2	\$35	24
Residential CareD	D	2,571	x[(	73%	10%	4%	50%)+(	-	1	73%	50%)]x	0.083 x(	1 -	85%	23.22	4	\$93	48
Personal Services	Personal Services																	
Personal ServicesA	Category A	2,993	x[(	38%	10%	4%	50%)+(	-	1	38%	50%)]x	\$30.00 x(	1 -	61%	51.26		\$10,882	
Personal ServicesD	D	0	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	\$30.00 x(	1 -	0%	23.22		\$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%	51.26		\$50,947	
Funeral ServicesC	C	0	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	\$30.00 x(	1 -	13%	17.25		\$0	
Funeral ServicesD	D	0	x[(	64%	10%	4%	50%)+(	-	1	64%	50%)]x	\$30.00 x(	1 -	13%	23.22		\$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%	51.26		\$969,853	
Health Units in IndustryB	B	0	x[(	42%	10%	4%	50%)+(	-	1	42%	50%)]x	\$30.00 x(	1 -	14%	27.6		\$0	
Health Units in IndustryD	C	0	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	\$30.00 x(	1 -	14%	17.25		\$0	
Research Labs	Research Labs																	
Research LabsA	Category A	494	x[(	81%	10%	4%	50%)+(	-	1	81%	50%)]x	\$30.00 x(	1 -	30%	51.26		\$1,002	
Research LabsC	C	0	x[(	42%	10%	4%	50%)+(	-	1	45%	50%)]x	\$30.00 x(	1 -	30%	17.25		\$0	
Research LabsD	D	0	x[(	81%	10%	4%	50%)+(	-	1	81%	50%)]x	\$30.00 x(	1 -	30%	23.22		\$0	
Linen Service	Linen Service																	
Linen ServiceD	Category D	3,000	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	\$30.00 x(	1 -	90%			\$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%	51.26		\$0	
Medical Equipment RepairB	B	0	x[(	37%	10%	4%	50%)+(	-	1	37%	50%)]x	\$30.00 x(	1 -	0%	27.6		\$0	
Medical Equipment RepairC	C	161	x[(	36%	10%	4%	50%)+(	-	1	36%	50%)]x	\$30.00 x(	1 -	0%	17.25		\$1,549	
Medical Equipment RepairD	D	2,464	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	\$30.00 x(	1 -	0%	23.22		\$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%	51.26	41	\$2,102	494
Law EnforcementB	B	2,770	x[(	92%	10%	4%	50%)+(	-	1	92%	50%)]x	0.083 x(	1 -	91%	27.6	1	\$28	12
Law EnforcementC	C	1,444	x[(	31%	10%	4%	50%)+(	-	1	31%	50%)]x	0.083 x(	1 -	91%	17.25	4	\$69	48
Law EnforcementD	D	4,204	x[(	46%	10%	4%	50%)+(	-	1	46%	50%)]x	0.083 x(	1 -	91%	23.22	9	\$209	108
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%	51.26		\$3,192	
Fire and RescueB	B	857	x[(	86%	10%	4%	50%)+(	-	1	86%	50%)]x	\$30.00 x(	1 -	82%	27.6		\$332	
Fire and RescueD	D	2,158	x[(	92%	10%	4%	50%)+(	-	1	92%	50%)]x	\$30.00 x(	1 -	82%	23.22		\$488	
Correctional Facilities	Correctional Facilities																	
Correctional FacilitiesA	Category A	3,034	x[(	54%	10%	4%	50%)+(	-	1	54%	50%)]x	0.083 x(	1 -	38%	51.26	36	\$1,845	434
Correctional FacilitiesB	B	1,887	x[(	32%	10%	4%	50%)+(	-	1	32%	50%)]x	0.083 x(	1 -	38%	27.6	33	\$911	398
Correctional FacilitiesC	C	459	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	0.083 x(	1 -	38%	17.25	8	\$138	96
Correctional FacilitiesD	D	3,793	x[(	31%	10%	4%	50%)+(	-	1	30%	50%)]x	0.083 x(	1 -	38%	23.22	68	\$1,579	819
Lifesaving	Lifesaving																	
LifesavingA	Category A	457	x[(	76%	10%	4%	50%)+(	-	1	76%	50%)]x	\$30.00 x(	1 -	50%	51.26		\$833	
Schools	Schools																	
SchoolsA	Category A	6,321	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	\$30.00 x(	1 -	0%	51.26		\$66,484	
SchoolsD	D	6,321	x[(	30%	10%	4%	50%)+(	-	1	30%	50%)]x	\$30.00 x(	1 -	0%	23.22		\$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%	51.26		\$263	
														5,310		\$225,454	\$1,201,382	63,974

HBV Antibody Testing for Vaccinated Workers (Employee Time)
 Hours = Number of exposures x % vaccinated x employee time x 10% x (1 - compliance rate)

Assumptions:
 percent vaccinated = prior vaccination rate + employee participation rate x (1 - prior vaccination rate).
 This assumes that no previously non-vaccinated worker has offered and declined the free vaccination.
 Employee time is equivalent to 1/3 time required for HBV vaccination.
 10% of vaccinated employees will receive tests.

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%) =	\$51.26 1,224	\$62,742	9,563	
C	0 x	55% x	0.128 x	0.1 x (	1 -	27%) =	\$17.25 0	\$0	0	
D	0 x	87% x	0.128 x	0.1 x (	1 -	27%) =	\$23.22 0	\$0	0	
Office of Dentists										
Category A	279,485 x	92% x	0.128 x	0.1 x (	1 -	19%) =	\$51.26 2,866	\$136,659	20,828	
C	43,076 x	44% x	0.128 x	0.1 x (	1 -	19%) =	\$17.25 197	\$3,398	1,539	
Nursing Homes										
Category A	35,746 x	38% x	0.128 x	0.1 x (	1 -	31%) =	\$51.26 120	\$6,151	938	
C	5,002 x	31% x	0.128 x	0.1 x (	1 -	31%) =	\$17.25 14	\$242	109	
D	4,636 x	30% x	0.128 x	0.1 x (	1 -	31%) =	\$23.22 12	\$279	94	
Hospitals										
Category A	254,449 x	77% x	0.128 x	0.1 x (	1 -	76%) =	\$51.26 602	\$30,859	4,703	
B	34,579 x	77% x	0.128 x	0.1 x (	1 -	76%) =	\$27.60 82	\$2,263	641	
C	30,789 x	62% x	0.128 x	0.1 x (	1 -	76%) =	\$17.25 59	\$1,018	461	
Medical and Dental Labs										
Category A	5,177 x	79% x	0.128 x	0.1 x (	1 -	86%) =	\$51.26 7	\$359	55	
C	0 x	38% x	0.128 x	0.1 x (	1 -	86%) =	\$17.25 0	\$0	0	
D	487 x	30% x	0.128 x	0.1 x (	1 -	86%) =	\$23.22 0	\$0	0	
Home Health										
Category A	6,244 x	52% x	0.128 x	0.1 x (	1 -	67%) =	\$51.26 14	\$718	109	
C	0 x	30% x	0.128 x	0.1 x (	1 -	67%) =	\$17.25 0	\$0	0	
D	2,575 x	84% x	0.128 x	0.1 x (	1 -	67%) =	\$23.22 9	\$209	70	
Hospices										
Category A	684 x	58% x	0.128 x	0.1 x (	1 -	60%) =	\$51.26 2	\$103	16	
C	0 x	82% x	0.128 x	0.1 x (	1 -	60%) =	\$17.25 0	\$0	0	
D	216 x	30% x	0.128 x	0.1 x (	1 -	60%) =	\$23.22 0	\$0	0	
Hemodialysis										
Category A	4,684 x	92% x	0.128 x	0.1 x (	1 -	93%) =	\$51.26 4	\$205	31	
C	477 x	68% x	0.128 x	0.1 x (	1 -	93%) =	\$17.25 0	\$0	0	
D	141 x	81% x	0.128 x	0.1 x (	1 -	93%) =	\$23.22 0	\$0	0	
Drug Rehabilitation										
Category A	283 x	78% x	0.128 x	0.1 x (	1 -	77%) =	\$51.26 1	\$51	8	
C	0 x	100% x	0.128 x	0.1 x (	1 -	77%) =	\$17.25 0	\$0	0	
D	0 x	30% x	0.128 x	0.1 x (	1 -	77%) =	\$23.22 0	\$0	0	
Government Clinics										
Category A	16,013 x	73% x	0.128 x	0.1 x (	1 -	27%) =	\$51.26 109	\$5,587	852	
C	0 x	55% x	0.128 x	0.1 x (	1 -	27%) =	\$17.25 0	\$0	0	
D	0 x	87% x	0.128 x	0.1 x (	1 -	27%) =	\$23.22 0	\$0	0	
Blood/Plasma/Tissue Centers										
Category A	6,453 x	65% x	0.128 x	0.1 x (	1 -	66%) =	\$51.26 18	\$923	141	
C	139 x	44% x	0.128 x	0.1 x (	1 -	66%) =	\$17.25 0	\$0	0	
D	197 x	71% x	0.128 x	0.1 x (	1 -	66%) =	\$23.22 1	\$23	8	
Residential Care										
Category A	4,850 x	64% x	0.128 x	0.1 x (	1 -	39%) =	\$51.26 24	\$1,230	188	
C	388 x	30% x	0.128 x	0.1 x (	1 -	39%) =	\$17.25 1	\$17	8	
D	2,571 x	73% x	0.128 x	0.1 x (	1 -	39%) =	\$23.22 15	\$348	117	
Personnel Services										
Category A	2,993 x	38% x	0.5 x	0.1 x (	1 -	83%) =	\$51.26 10	\$513	20	
D	0 x	30% x	0.5 x	0.1 x (	1 -	0%) =	\$23.22 0	\$0	0	
Funeral Services										
Category A	11,735 x	67% x	0.5 x	0.1 x (	1 -	31%) =	\$51.26 271	\$13,891	542	
C	0 x	30% x	0.5 x	0.1 x (	1 -	31%) =	\$17.25 0	\$0	0	
D	0 x	64% x	0.5 x	0.1 x (	1 -	31%) =	\$23.22 0	\$0	0	
Health Units in Industry										
Category A	186,835 x	60% x	0.5 x	0.1 x (	1 -	2%) =	\$51.26 5,493	\$281,571	10,986	
B	0 x	42% x	0.5 x	0.1 x (	1 -	2%) =	\$27.60 0	\$0	0	
D	0 x	30% x	0.5 x	0.1 x (	1 -	2%) =	\$23.22 0	\$0	0	
Research Labs										
Category A	494 x	81% x	0.5 x	0.1 x (	1 -	70%) =	\$51.26 6	\$308	12	
C	0 x	49% x	0.5 x	0.1 x (	1 -	70%) =	\$17.25 0	\$0	0	
D	0 x	81% x	0.5 x	0.1 x (	1 -	70%) =	\$23.22 0	\$0	0	
Linen Service										
D	3,000 x	30% x	0.5 x	0.1 x (	1 -	90%) =	\$23.22 5	\$116	10	
Medical Equipment Repair										
Category A	0 x	41% x	0.5 x	0.1 x (	1 -	26%) =	\$51.26 0	\$0	0	
B	0 x	37% x	0.5 x	0.1 x (	1 -	26%) =	\$27.60 0	\$0	0	
C	161 x	36% x	0.5 x	0.1 x (	1 -	26%) =	\$17.25 2	\$35	4	
D	2,464 x	30% x	0.5 x	0.1 x (	1 -	26%) =	\$23.22 27	\$627	54	
Law Enforcement										
Category A	18,983 x	42% x	0.128 x	0.1 x (	1 -	96%) =	\$51.26 4	\$205	31	
B	2,770 x	92% x	0.128 x	0.1 x (	1 -	96%) =	\$27.60 1	\$28	5	
C	1,444 x	31% x	0.128 x	0.1 x (	1 -	96%) =	\$17.25 0	\$0	0	
D	4,204 x	46% x	0.128 x	0.1 x (	1 -	96%) =	\$23.22 1	\$23	8	
Fire and Rescue										
Category A	10,411 x	89% x	0.5 x	0.1 x (	1 -	71%) =	\$51.26 134	\$6,889	268	
B	857 x	86% x	0.5 x	0.1 x (	1 -	71%) =	\$27.60 11	\$304	22	
D	2,158 x	92% x	0.5 x	0.1 x (	1 -	71%) =	\$23.22 29	\$673	58	
Correctional Facilities										
Category A	3,034 x	54% x	0.128 x	0.1 x (	1 -	39%) =	\$51.26 13	\$666	102	
B	0 x	0.128 x	0.128 x	0.1 x (	1 -	39%) =	\$27.60 5	\$158	39	
C	459 x	30% x	0.128 x	0.1 x (	1 -	39%) =	\$17.25 1	\$17	8	
D	3,783 x	31% x	0.128 x	0.1 x (	1 -	39%) =	\$23.22 9	\$209	70	
Lifesaving										
Category A	457 x	76% x	0.5 x	0.1 x (	1 -	50%) =	\$51.26 9	\$461	18	
Schools										
Category A	6,321 x	30% x	0.5 x	0.1 x (	1 -	0%) =	\$51.26 95	\$4,870	190	
D	6,321 x	30% x	0.5 x	0.1 x (	1 -	0%) =	\$23.22 95	\$2,206	190	
Waste Removal										
Category A	50 x	30% x	0.5 x	0.1 x (	1 -	50%) =	\$51.26 0	\$0	0	
Total							11,402	\$567,114	53,119	

Category A	6,453 x	65% x	0.083 x	0.1 x (1 - 66%)	34%	12	\$568	145	
C	139 x	44% x	0.083 x	0.1 x (1 - 66%)	34%	0	\$0	0	
D	197 x	51% x	0.083 x	0.1 x (1 - 66%)	34%	0	\$0	0	
Residential Care									
Category A	4,850 x	64% x	0.083 x	0.1 x (1 - 39%)	61%	16	\$758	193	
C	388 x	30% x	0.083 x	0.1 x (1 - 39%)	61%	1	\$47	12	
D	2,571 x	73% x	0.083 x	0.1 x (1 - 39%)	61%	10	\$474	120	
Personnel Services									
Category A	2,993 x	38% x	\$30.00 x	0.1 x (1 - 83%)	17%		\$580		
D	0 x	30% x	\$30.00 x	0.1 x (1 - 0%)	100%		\$0		
Funeral Services									
Category A	11,735 x	67% x	\$30.00 x	0.1 x (1 - 31%)	69%		\$16,275		
C	0 x	30% x	\$30.00 x	0.1 x (1 - 31%)	69%		\$0		
D	0 x	64% x	\$30.00 x	0.1 x (1 - 31%)	69%		\$0		
Health Units in Industry									
Category A	186,835 x	60% x	\$30.00 x	0.1 x (1 - 2%)	98%		\$329,577		
B	0 x	42% x	\$30.00 x	0.1 x (1 - 2%)	98%		\$0		
C	0 x	30% x	\$30.00 x	0.1 x (1 - 2%)	98%		\$0		
Research Labs									
Category A	494 x	81% x	\$30.00 x	0.1 x (1 - 70%)	30%		\$360		
C	0 x	45% x	\$30.00 x	0.1 x (1 - 70%)	30%		\$0		
D	0 x	81% x	\$30.00 x	0.1 x (1 - 70%)	30%		\$0		
Linen Services									
Category D	3,000 x	30% x	\$30.00 x	0.1 x (1 - 90%)	10%		\$270		
Medical Equipment Repair									
Category A	0	41% x	\$30.00 x	0.1 x (1 - 26%)	74%		\$0		
B	0	37% x	\$30.00 x	0.1 x (1 - 26%)	74%		\$0		
C	161	36% x	\$30.00 x	0.1 x (1 - 26%)	74%		\$129		
D	2,464	30% x	\$30.00 x	0.1 x (1 - 26%)	74%		\$1,641		
Law Enforcement									
Category A	18,993	42% x	0.083 x	0.1 x (1 - 96%)	4%	3	\$142	36	
B	2,770	92% x	0.083 x	0.1 x (1 - 96%)	4%	1	\$47	12	
C	1,444	31% x	0.083 x	0.1 x (1 - 96%)	4%	0	\$0	0	
D	4,204	46% x	0.083 x	0.1 x (1 - 96%)	4%	1	\$47	12	
Fire and Rescure									
Category A	10,411	89%	\$30.00 x	0.1 x (1 - 71%)	29%		\$8,061		
B	857	86%	\$30.00 x	0.1 x (1 - 71%)	29%		\$641		
D	2,158	92%	\$30.00 x	0.1 x (1 - 71%)	29%		\$1,727		
Correctional Facilities									
Category A	3,034	54%	0.083 x	0.1 x (1 - 30%)	70%	10	\$474	120	
B	1,887	32%	0.083 x	0.1 x (1 - 30%)	70%	4	\$189	48	
C	459	30%	0.083 x	0.1 x (1 - 30%)	70%	1	\$47	12	
D	3,793	31%	0.083 x	0.1 x (1 - 30%)	70%	7	\$332	84	
Lifesaving									
Category A	457	76%	\$30.00 x	0.1 x (1 - 50%)	50%		\$521		
Schools									
Category A	6,321	30%	\$30.00 x	0.1 x (1 - 0%)	100%		\$5,689		
D	6,321	30%	\$30.00 x	0.1 x (1 - 0%)	100%		\$5,689		
Waste Removal									
Category D	50	30%	\$30.00 x	0.1 x (1 - 50%)	50%		\$23		
Total						3,387	\$160,407	\$371,183	40,804

Hours
 Item 12 1,617
 Item 13 \$76,875 NA
 Responses 5,775

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 is equivalent to 1/3 of the time required to receive the HBV vaccination.
- * 50% of sources will agree to be tested; 50% of sources will refuse to be tested.
- * For exposures where the source agree to be tested, the estimated percent of exposures in which the non-vaccinated employee would agree to be tested is equivalent to the RSS, since employees would most likely only be tested if the source was found to be positive.
- * 5% of exposures are attributable to a matter of a high risk group.
- * For classes where the sources refuse to be tested, non-vaccinated workers will agree to be tested for the 5% of the exposures that are attributable to a member of a high risk group.

Table 7

Sector	Exposures	One	% Vaccinated	Employee Time	Source Participation Rate	RSS	Sources Refusing Test	% Exposures Attributable to High Risk Group			Compliance Rate	Wage	HOURS	#12	Responses
								One	One	One					
Office of the Physicians															
Category A	179,493	1 -	73%	0.128	50%	0.42% +	50%	5%	1 -	27%	51.26	123	\$6,305	961	
C	0	1 -	55%	0.128	50%	0.42% +	50%	5%	1 -	27%	17.25	0	\$0	0	
D	0	1 -	87%	0.128	50%	0.42% +	50%	5%	1 -	27%	23.22	0	\$0	0	
Office of Dentists															
Category A	279,485	1 -	92%	0.128	50%	0.42% +	50%	5%	1 -	19%	51.26	63	\$3,229	492	
C	43,075	1 -	44%	0.128	50%	0.42% +	50%	5%	1 -	19%	17.25	68	\$1,173	531	
Nursing Homes															
Category A	35,746	1 -	38%	0.128	50%	0.42% +	50%	5%	1 -	31%	51.26	53	\$2,717	414	
C	5,002	1 -	31%	0.128	50%	0.42% +	50%	5%	1 -	31%	17.25	8	\$138	63	
D	4,636	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	31%	23.22	8	\$186	63	
Hospitals															
Category A	254,449	1 -	77%	0.128	50%	1.25% +	50%	5%	1 -	76%	51.26	56	\$2,871	438	
B	34,579	1 -	77%	0.128	50%	1.25% +	50%	5%	1 -	76%	27.6	8	\$221	63	
C	30,799	1 -	62%	0.128	50%	1.25% +	50%	5%	1 -	76%	17.25	11	\$190	86	
Medical and Dental Labs															
Category A	5,177	1 -	79%	0.128	50%	0.42% +	50%	5%	1 -	86%	51.26	1	\$51	8	
C	0	1 -	38%	0.128	50%	0.42% +	50%	5%	1 -	86%	17.25	0	\$0	0	
D	487	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	86%	23.22	0	\$0	0	
Home Health Care															
Category A	6,244	1 -	52%	0.128	50%	0.42% +	50%	5%	1 -	67%	51.26	3	\$154	23	
C	0	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	67%	17.25	0	\$0	0	
D	2,575	1 -	84%	0.128	50%	0.42% +	50%	5%	1 -	67%	23.22	0	\$0	0	
Hospices															
Category A	684	1 -	58%	0.128	50%	0.42% +	50%	5%	1 -	60%	51.26	0	\$0	0	
C	0	1 -	82%	0.128	50%	0.42% +	50%	5%	1 -	60%	17.25	0	\$0	0	
D	215	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	60%	23.22	0	\$0	0	
Hemodialysis															
Category A	4,684	1 -	92%	0.128	50%	0.42% +	50%	5%	1 -	93%	51.26	0	\$0	0	
C	477	1 -	68%	0.128	50%	0.42% +	50%	5%	1 -	93%	17.25	0	\$0	0	
D	141	1 -	81%	0.128	50%	0.42% +	50%	5%	1 -	93%	23.22	0	\$0	0	
Drug Rehabilitation															
Category A	283	1 -	78%	0.128	50%	0.42% +	50%	5%	1 -	77%	51.26	0	\$0	0	
C	0	1 -	100%	0.128	50%	0.42% +	50%	5%	1 -	77%	17.25	0	\$0	0	
D	0	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	77%	23.22	0	\$0	0	
Government Clinics															
Category A	16,013	1 -	73%	0.128	50%	0.42% +	50%	5%	1 -	27%	51.26	11	\$564	86	
C	0	1 -	5%	0.128	50%	0.42% +	50%	5%	1 -	27%	17.25	0	\$0	0	
D	0	1 -	7%	0.128	50%	0.42% +	50%	5%	1 -	27%	23.22	0	\$0	0	
Blood/Plasma/Tissue Centers															
Category A	6,453	1 -	65%	0.128	50%	0.10% +	50%	5%	1 -	66%	51.26	3	\$154	23	
C	139	1 -	44%	0.128	50%	0.10% +	50%	5%	1 -	66%	17.25	0	\$0	0	
D	197	1 -	71%	0.128	50%	0.10% +	50%	5%	1 -	66%	23.22	0	\$0	0	
Residential Care															
Category A	4,850	1 -	64%	0.128	50%	0.42% +	50%	5%	1 -	39%	51.26	4	\$205	31	
C	388	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	39%	17.25	1	\$17	8	
D	2,571	1 -	73%	0.128	50%	0.42% +	50%	5%	1 -	39%	23.22	1	\$23	8	
Personnel Services															
Category A	2,993	1 -	38%	0.500	50%	0.42% +	50%	5%	1 -	83%	51.26	4	\$205	8	
D	0.00	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	0%	23.22	0	\$0	0	
Funeral Services															
Category A	11,735	1 -	67%	0.500	50%	0.42% +	50%	5%	1 -	31%	51.26	36	\$1,845	72	
C	0.00	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	31%	17.25	0	\$0	0	
D	0.00	1 -	64%	0.500	50%	0.42% +	50%	5%	1 -	31%	23.22	0	\$0	0	
Health Units in Industry															
Category A	186,835	1 -	60%	0.500	50%	0.42% +	50%	5%	1 -	2%	51.26	992	\$50,850	1,984	
B	0.00	1 -	42%	0.500	50%	0.42% +	50%	5%	1 -	2%	27.6	0	\$0	0	
D	0.00	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	2%	23.22	0	\$0	0	
Research Labs															
Category A	494	1 -	81%	0.500	50%	0.42% +	50%	5%	1 -	70%	51.26	0	\$0	0	
C	0.00	1 -	45%	0.500	50%	0.42% +	50%	5%	1 -	70%	17.25	0	\$0	0	
D	0.00	1 -	81%	0.500	50%	0.42% +	50%	5%	1 -	70%	23.22	0	\$0	0	

Linen Service																	
D	3,000	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	90%	23.22	3	\$70	6			
Medical Equipment Repair																	
Category A	0	1 -	1%	0.500	50%	0.42% +	50%	5%	1 -	26%	51.26	0	\$0	0			
B	0	1 -	7%	0.500	50%	0.42% +	50%	5%	1 -	26%	27.6	0	\$0	0			
C	161	1 -	36%	0.500	50%	0.42% +	50%	5%	1 -	26%	17.25	1	\$17	2			
D	2,464	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	26%	23.22	17	\$395	34			
Law Enforcement																	
Category A	18,993	1 -	42%	0.128	50%	0.42% +	50%	5%	1 -	96%	51.26	2	\$103	16			
B	2,770	1 -	92%	0.128	50%	0.42% +	50%	5%	1 -	96%	27.6	0	\$0	0			
C	1,444	1 -	31%	0.128	50%	0.42% +	50%	5%	1 -	96%	17.25	0	\$0	0			
D	4,204	1 -	46%	0.128	50%	0.42% +	50%	5%	1 -	96%	23.22	0	\$0	0			
Fire and Rescue																	
Category A	10,411	1 -	89%	0.500	50%	0.42% +	50%	5%	1 -	71%	51.26	5	\$256	10			
B	857	1 -	86%	0.500	50%	0.42% +	50%	5%	1 -	71%	27.6	0	\$0	0			
D	2,158	1 -	92%	0.500	50%	0.42% +	50%	5%	1 -	71%	23.22	1	\$23	2			
Correctional Facilities																	
Category A	3,034	1 -	54%	0.128	50%	0.42% +	50%	5%	1 -	39%	51.26	3	\$154	23			
B	1,887	1 -	32%	0.128	50%	0.42% +	50%	5%	1 -	39%	27.6	3	\$83	23			
C	459	1 -	30%	0.128	50%	0.42% +	50%	5%	1 -	39%	17.25	1	\$17	8			
D	3,793	1 -	31%	0.128	50%	0.42% +	50%	5%	1 -	39%	23.22	6	\$139	47			
Lifesaving																	
Category A	457	1 -	78%	0.500	50%	0.42% +	50%	5%	1 -	50%	51.26	1	\$51	2			
Schools																	
Category A	6,321	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	0%	51.26	60	\$3,076	120			
D	6,321	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	0%	23.22	60	\$1,393	120			
Waste Removal																	
Category A	50	1 -	30%	0.500	50%	0.42% +	50%	5%	1 -	50%	51.26	0	\$0	0			
											1,617	\$76,875	5,775				

Hours Item 12 Item 13 Responses
 281 \$13,310 \$70,858 3,384

Table 8

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

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

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

Assumptions

* percent vaccinated = prior vaccination rate + employee participation rate x (1 - prior vaccination rate). This assumes

that no previously non-vaccinated worker was offered and declined free vaccination

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

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

* For exposures where the source agrees to be tested, the estimated percent of exposures in which the non-vaccinated

employee would agree to be tested, is equivalent to the RSS, since employees would most likely only be tested

if the source was found to be positive.

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

* Cost of HBV antibody test = \$30.

* For cases where the source refuses to be tested, non-vaccinated workers will agree to be tested for the 5% of the

exposures that are attributable to a member of a high risk group.

Office of the Physicians

	Hours	Cost 12	Cost Item 13	Responses						
Category A	179,493	(1 - 73%)	27% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 27%)	73% =	80	\$3,789	964
C	0	(1 - 55%)	45% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 27%)	73% =	0	\$0	0
D	0	(1 - 87%)	13% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 27%)	73% =	0	\$0	0
Office of Dentists										
Category A	279,485	(1 - 92%)	8% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 19%)	81% =	41	\$1,942	494
C	43,075	(1 - 44%)	56% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 19%)	81% =	44	\$2,084	530
Nursing Homes										
Category A	35,746	(1 - 38%)	62% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 31%)	69% =	34	\$1,610	410
C	5,002	(1 - 31%)	69% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 31%)	69% =	5	\$237	60
D	4,636	(1 - 30%)	70% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 31%)	69% =	5	\$237	60
Hospitals										
Category A	254,449	(1 - 77%)	23% x 0.083 x (	50% x 1.25% +	50% x 5%) x	(1 - 76%)	24% =	36	\$1,705	434
B	34,579	(1 - 77%)	23% x 0.083 x (	50% x 1.25% +	50% x 5%) x	(1 - 76%)	24% =	5	\$237	60
C	30,799	(1 - 62%)	38% x 0.083 x (	50% x 1.25% +	50% x 5%) x	(1 - 76%)	24% =	7	\$332	84
Medical and Dental Labs										
Category A	5,177	(1 - 79%)	21% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 86%)	14% =	0	\$0	0
C	0	(1 - 38%)	62% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 86%)	14% =	0	\$0	0
D	487	(1 - 30%)	70% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 86%)	14% =	0	\$0	0
Home Health Care										
Category A	6,244	(1 - 52%)	48% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 67%)	33% =	2	\$95	24
C	0	(1 - 30%)	70% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 67%)	33% =	0	\$0	0
D	2,575	(1 - 84%)	16% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 67%)	33% =	0	\$0	0
Hospices										
Category A	684	(1 - 58%)	42% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 60%)	40% =	0	\$0	0
C	0	(1 - 82%)	18% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 60%)	40% =	0	\$0	0
D	215	(1 - 30%)	70% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 60%)	40% =	0	\$0	0
Hemodialysis										
Category A	4,684	(1 - 92%)	8% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 93%)	7% =	0	\$0	0
C	477	(1 - 58%)	42% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 93%)	7% =	0	\$0	0
D	141	(1 - 81%)	19% x 0.083 x (	50% x 0.42% +	150% x 5%) x	(1 - 93%)	7% =	0	\$0	0
Drug Rehabilitation										
Category A	283	(1 - 78%)	22% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 77%)	23% =	0	\$0	0
C	0		0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 77%)	23% =	0	\$0	0
D	0	(1 - 30%)	70% x 0.083 x (	50% x 0.42% +	150% x 5%) x	(1 - 77%)	23% =	0	\$0	0
Government Clinics										
Category A	16,013	(1 - 73%)	27% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 27%)	73% =	7	\$332	84
C	0	(1 - 55%)	45% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 27%)	73% =	0	\$0	0
D	0	(1 - 87%)	13% x 0.083 x (	50% x 0.42% +	150% x 5%) x	(1 - 27%)	73% =	0	\$0	0
Blood/Plasma/Tissue Centers										
Category A	6,453	(1 - 65%)	35% x 0.083 x (	50% x 0.10% +	50% x 5%) x	(1 - 66%)	34% =	2	\$95	24
C	139	(1 - 44%)	56% x 0.083 x (	50% x 0.10% +	50% x 5%) x	(1 - 66%)	34% =	0	\$0	0
D	197	(1 - 51%)	49% x 0.083 x (	50% x 0.10% +	50% x 5%) x	(1 - 66%)	34% =	0	\$0	0
Residential Care										
Category A	4,850	(1 - 64%)	36% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 39%)	61% =	2	\$95	24
C	388	(1 - 30%)	70% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 39%)	61% =	0	\$0	0
D	2,571	(1 - 73%)	27% x 0.083 x (	50% x 0.42% +	50% x 5%) x	(1 - 39%)	61% =	1	\$47	12
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	
D	0.00	(1 - 30%)	70% x \$30.00 x (	50% x 0.42% +	50% x 5%) x	(1 - 0%)	100% =		\$0	
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	
C	0.00	(1 - 30%)	70% x \$30.00 x (	50% x 0.42% +	50% x 5%) x	(1 - 31%)	69% =		\$0	
D	0.00	(1 - 64%)	36% x \$30.00 x (	50% x 0.42% +	50% x 5%) x	(1 - 31%)	69% =		\$0	
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% =		\$59,544	
B	0.00	(1 - 42%)	58% x \$30.00 x (	50% x 0.42% +	50% x 5%) x	(1 - 2%)	98% =		\$0	

D	0.00	(1 - 30%)	70% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 2%)	98% =				\$0
Research Labs														
Category A	494	(1 - 81%)	19% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 70%)	30% =				\$23
C	0.00	(1 - 45%)	55% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 70%)	30% =				\$0
D	0.00	(1 - 81%)	19% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 70%)	30% =				\$0
Linen Service														
D	3,000	(1 - 30%)	70% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 90%)	10% =				\$171
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
B	0	(1 - 37%)	63% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 26%)	74% =				\$0
C	161	(1 - 36%)	64% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 26%)	74% =				\$62
D	2,464	(1 - 30%)	70% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 26%)	74% =				\$1,038
Law Enforcement														
Category A	18,993	(1 - 42%)	58% x	0.083 x (	50% x	0.42% +	50% x	5%) x	(1 - 96%)	4% =	1	\$47		12
B	2,770	(1 - 92%)	8% x	0.083 x (	50% x	0.42% +	50% x	5%) x	(1 - 96%)	4% =	0	\$0		0
C	1,444	(1 - 31%)	69% x	0.083 x (	50% x	0.42% +	50% x	5%) x	(1 - 96%)	4% =	0	\$0		0
D	4,204	(1 - 46%)	54% x	0.083 x (	50% x	0.42% +	50% x	5%) x	(1 - 96%)	4% =	0	\$0		0
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
B	857	(1 - 86%)	14% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 71%)	29% =				\$28
D	2,158	(1 - 92%)	8% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 71%)	29% =				\$41
Correctional Facilities														
Category A	3,034	(1 - 54%)	46% x	0.083 x (	50% x	0.42% +	50% x	5%) x	(1 - 30%)	70% =	2	\$95		24
B	1,887	(1 - 32%)	68% x	0.083 x (	50% x	0.42% +	50% x	5%) x	(1 - 30%)	70% =	2	\$95		24
C	459	(1 - 30%)	70% x	0.083 x (	50% x	0.42% +	50% x	5%) x	(1 - 30%)	70% =	1	\$47		12
D	3,793	(1 - 31%)	69% x	0.083 x (	50% x	0.42% +	50% x	5%) x	(1 - 30%)	70% =	4	\$189		48
Lifesaving														
Category A	457	(1 - 76%)	24% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 50%)	50% =				\$45
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
D	6,321	(1 - 30%)	70% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 0%)	100% =				\$3,597
Waste Removal														
Category A	50	(1 - 30%)	70% x	\$30.00 x (	50% x	0.42% +	50% x	5%) x	(1 - 50%)	50% =				\$14
TOTALS											281	\$13,310	\$70,858	3384

Hours Item 12 Item 13 Responses
 12 \$388 NA 56

Hepatitis B Immune Globulin (HBIG): Vaccinated Employees (Employee Time)
 Hours = # exposures x % vaccinated x 10% x 4% x employee time x (source participation rate x (RSS)
 + (% of source refusing test * 5%) x (1-compliance rate)

Assumptions:

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

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

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

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

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

Table 9

														Hours	Costs	It	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	\$46.00		11.00
C	0 x	55% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.00	\$0.00		0.00
D	0 x	87% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.00	\$0.00		0.00
Office of Dentists																	
Category A	279,485 x	92% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-11%)	89%		3.18	\$107.00		25.00
C	43,075 x	44% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-11%)	89%		0.23	\$8.00		2.00
Nursing Homes																	
Category A	35,746 x	38% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-35%)	65%		0.12	\$4.00		1.00
C	5,002 x	31% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-35%)	65%		0.01	\$0.00		0.00
D	4,636 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-35%)	65%		0.01	\$0.00		0.00
Hospitals																	
Category A	254,449 x	77% x	10% x	4% x	0.128 x (	50% x	1.25% +	50% x	5%	(1-74%)	16%		0.50	\$17.00		4.00
B	34,579 x	77% x	10% x	4% x	0.128 x (	50% x	1.25% +	50% x	5%	(1-74%)	16%		0.07	\$2.00		1.00
C	30,799 x	62% x	10% x	4% x	0.128 x (	50% x	1.25% +	50% x	5%	(1-74%)	16%		0.05	\$2.00		0.00
Medical and Dental Labs																	
Category A	5,177 x	79% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-38%)	62%		0.04	\$1.00		0.00
C	0 x	38% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-38%)	62%		0.00	\$0.00		0.00
D	487 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-38%)	62%		0.00	\$0.00		0.00
Home Health																	
Category A	6,244 x	52% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-61%)	39%		0.02	\$1.00		0.00
C	0 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-61%)	39%		0.00	\$0.00		0.00
D	2,575 x	84% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-61%)	39%		0.01	\$0.00		0.00
Hospices																	
Category A	684 x	58% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%		0.00	\$0.00		0.00
C	0 x	82% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%		0.00	\$0.00		0.00
D	215 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%		0.00	\$0.00		0.00
Hemodialysis																	
Category A	4684 x	92% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-72%)	28%		0.02	\$1.00		0.00
C	477 x	68% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-72%)	28%		0.00	\$0.00		0.00
D	141 x	81% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-72%)	28%		0.00	\$0.00		0.00
Drug Rehabilitation																	
Category A	283 x	78% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-30%)	70%		0.00	\$0.00		0.00
C	0 x	100% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-30%)	70%		0.00	\$0.00		0.00
D	0 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-30%)	70%		0.00	\$0.00		0.00
Government Clinics																	
Category A	15013 x	73% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.11	\$4.00		1.00
C	0 x	55% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.00	\$0.00		0.00
D	0 x	87% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-25%)	75%		0.00	\$0.00		0.00
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	\$1.00		0.00
C	139 x	44% x	10% x	4% x	0.128 x (	50% x	0.10% +	50% x	5%	(1-58%)	42%		0.00	\$0.00		0.00
D	497 x	71% x	10% x	4% x	0.128 x (	50% x	0.10% +	50% x	5%	(1-58%)	42%		0.00	\$0.00		0.00
Residential Care																	
Category A	4850 x	64% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-34%)	66%		0.03	\$1.00		0.00
C	388 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-34%)	66%		0.00	\$0.00		0.00
D	2571 x	73% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-34%)	66%		0.02	\$1.00		0.00
Personnel Services																	
Category A	2993 x	38% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-80%)	20%		0.01	\$0.00		0.00
D	0 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-0%)	100%		0.00	\$0.00		0.00
Funeral Services																	
Category A	11735 x	67% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.34	\$11.00		1.00
C	0 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.00	\$0.00		0.00
D	0 x	64% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.00	\$0.00		0.00
Health Units in Industry																	
Category A	186,835 x	60% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-14%)	86%		5.23	\$176.00		10.00
B	0 x	42% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-14%)	86%		0.00	\$0.00		0.00
C	0 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-14%)	86%		0.00	\$0.00		0.00
Research Labs																	
Category A	494 x	81% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.02	\$1.00		0.00
C	0 x	42% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%		0.00	\$0.00		0.00

D	0 x	81% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-20%)	80%	0.00	\$0.00	0.00
Linen Service														
D	3000 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-90%)	10%	0.00	\$0.00	0.00
Medical Equipment Repair														
Category A	0 x	41% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-26%)	74%	0.00	\$0.00	0.00
B	0 x	37% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-26%)	74%	0.00	\$0.00	0.00
C	161 x	36% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-26%)	74%	0.00	\$0.00	0.00
D	2464 x	30% x	10% x	4% x	0.500 x (	50% x	0.42% +	50% x	5%	(1-26%)	74%	0.03	\$1.00	0.00
Law Enforcement														
Category A	18933 x	42% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-96%)	4%	0.00	\$0.00	0.00
B	2770 x	92% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-96%)	4%	0.00	\$0.00	0.00
C	1444 x	31% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-96%)	4%	0.00	\$0.00	0.00
D	4204 x	46% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-96%)	4%	0.00	\$0.00	0.00
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	\$1.00	0.00
B	857 x	86% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-71%)	29%	0.00	\$0.00	0.00
D	2158 x	92% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-71%)	29%	0.01	\$0.00	0.00
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	\$0.00	0.00
B	1887 x	32% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%	0.01	\$0.00	0.00
C	459 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%	0.00	\$0.00	0.00
D	3793 x	31% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-39%)	61%	0.01	\$0.00	0.00
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	\$0.00	0.00
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	\$1.00	0.00
D	6321 x	30% x	10% x	4% x	0.128 x (	50% x	0.42% +	50% x	5%	(1-0%)	100%	0.03	\$1.00	0.00
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	0.00
Total												12	\$388.00	56

TABLE 10

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

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

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

ASSUMPTIONS:

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

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

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

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

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

Cost of HBIG = \$211

												Wage	Hours	#12	#13	Responses		
Office of Physicians																		
Category A	179,493 x		73% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	25%	51.26	0.88	\$45	11
C	0 x		55% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	25%	17.25	0.00	\$0	0
D	0 x		87% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	25%	23.22	0.00	\$0	0
Office of Dentists																		
Category A	279,485 x		92% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	11%	51.26	2.06	\$106	25
C	43,075 x		44% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	11%	17.25	0.15	\$3	2
Nursing Homes																		
Category A	35,746 x		38% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	35%	51.26	0.08	\$4	1
C	5,002 x		31% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	35%	17.25	0.01	\$0	0
D	4,636 x		30% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	35%	23.22	0.01	\$0	0
Hospitals																		
Category A	254,449 x		54% x 10% x	4% x	0.083 x [		50% x	1.25% +	50% x	5%]]	0.235 x(	1	-	74%	51.26	0.37	\$19	4
B	34,579 x		54% x 10% x	4% x	0.083 x [		50% x	1.25% +	50% x	5%]]	0.235 x(	1	-	74%	27.6	0.05	\$1	1
C	30,799 x		69% x 10% x	4% x	0.083 x [		50% x	1.25% +	50% x	5%]]	0.235 x(	1	-	74%	17.25	0.06	\$1	1
Medical and Dental Labs																		
Category A	5,117 x		58% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	38%	51.26	0.02	\$1	0
C	0 x		88% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	38%	17.25	0.00	\$0	0
D	487 x		100% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	38%	23.22	0.00	\$0	0
Home Health																		
Category A	6,244 x		77% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	61%	51.26	0.02	\$1	0
C	0 x		100% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	61%	17.25	0.00	\$0	0
D	2,575 x		88% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	61%	23.22	0.01	\$0	0
Hospices																		
Category A	684 x		77% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	39%	51.26	0.00	\$0	0
C	0 x		37% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	39%	17.25	0.00	\$0	0
D	215 x		100% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	39%	23.22	0.00	\$0	0
Hemodialysis																		
Category A	4,684 x		33% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	72%	51.26	0.00	\$0	0
Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)																		
C	477 x		69% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	72%	17.25	0.00	\$0	0
D	141 x		48% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	72%	23.22	0.00	\$0	0
Drug Rehabilitation																		
Category A	283 x		49% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	30%	51.26	0.00	\$0	0
C	0 x		35% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	30%	17.25	0.00	\$0	0
D	0 x		100% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	30%	23.22	0.00	\$0	0
Government Clinics																		
Category A	16,013 x		57% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	25%	51.26	0.06	\$3	1
C	0 x		67% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	25%	17.25	0.00	\$0	0
D	0 x		37% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	25%	23.22	0.00	\$0	0
Blood/Plasma/Tissue Centers																		
Category A	6,453 x		60% x 10% x	4% x	0.083 x [		50% x	0.10% +	50% x	5%]]	0.235 x(	1	-	58%	51.26	0.01	\$1	0
C	139 x		80% x 10% x	4% x	0.083 x [		50% x	0.10% +	50% x	5%]]	0.235 x(	1	-	58%	17.25	0.00	\$0	0
D	197 x		51% x 10% x	4% x	0.083 x [		50% x	0.10% +	50% x	5%]]	0.235 x(	1	-	58%	23.22	0.00	\$0	0
Residential Care																		
Category A	4,850 x		73% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	34%	51.26	0.02	\$1	0
C	388 x		100% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	34%	17.25	0.00	\$0	0
D	2,571 x		42% x 10% x	4% x	0.083 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	34%	23.22	0.01	\$0	0
Personnel Services																		
Category A	2,983 x		88% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	80%	51.26		\$12	
D	0 x		100% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	0%	23.22		\$0	
Funeral Services																		
Category A	11,735 x		65% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	20%	51.26		\$140	
C	0 x		100% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	20%	17.25		\$0	
D	0 x		63% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	20%	23.22		\$0	
Health Units in Industry																		
Category A	186,835 x		70% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	14%	51.26		\$2573	
B	0 x		83% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	14%	27.6		\$0	
C	0 x		100% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	14%	17.25		\$0	
Research Labs																		
Category A	494 x		54% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	20%	51.26		\$5	
C	0 x		79% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	20%	17.25		\$0	
D	0 x		54% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	20%	23.22		\$0	
Linen Services																		
Category D	3,000 x		100% x 10% x	4% x	\$211 x [		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	90%			\$7	
Medical Equipment Repair																		
Category A	0 x		84% x 10% x	4% x	\$211		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	26%			\$0	
B	0 x		90 x 10% x	4% x	\$211		50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	26%	27.6		\$0	

C	161 x	92%	10% x	4% x	\$211	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	26%	17.25			\$3	
D	2,464	100%	10% x	4% x	\$211	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	26%	23.22			\$42	
Law Enforcement																			
Category A	18,993 x	83% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	96%	51.26	0.01	\$1		0
B	2,770 x	47% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	96%	27.6	0.00	\$0		0
Hepatitis B Immune Globulin (HBIG): Vaccinated Workers (Health Professional Time)																			
C	1,444 x	98% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	96%	17.25	0.00	\$0		0
D	4,204 x	77% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	96%	23.22	0.00	\$0		0
Fire and Rescue																			
Category A	10,411 x	34% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	71%	51.26	0.01	\$1		0
B	857 x	44% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	71%	27.6	0.00	\$0		0
D	2,158 x	31% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	71%	23.22	0.00	\$0		0
Correctional Facilities																			
Category A	3,034 x	79% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	39%	51.26	0.01	\$1		0
B	1,887 x	97% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	39%	27.6	0.01	\$0		0
C	459 x	90% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	39%	17.25	0.00	\$0		0
D	3,793 x	98% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	39%	23.22	0.02	\$0		0
Livesaving																			
Category A	457 x	75% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	50%	51.26	0.00	\$0		0
Schools																			
Category A	6,321	100% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	0%	51.26	0.06	\$3		1
D	6,321	100% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	0%	23.22	0.06	\$1		1
Waste Removal																			
Category A	50	100% x	10% x	4% x	0.083	50% x	0.42% +	50% x	5%]]	0.235 x(	1	-	50%	51.26	0.00	\$0		0
													TOTAL	4		\$193	\$2782	48	

B	857 *	1 -	86% *	22%	0.5 [	50%	0.42% + (	50%	5%	1 -	71%	27.6	0	\$0	0
D	2,158 *	1 -	92% *	22%	0.5 [	50%	0.42% + (	50%	5%	1 -	71%	23.22	0	\$0	0
Correctional Facilities																
Category A	3,034 *	1 -	54% *	22%	0.128 [	50%	0.42% + (	50%	5%	1 -	39%	51.26	1	\$51	8
B	1,887 *	1 -	32% *	22%	0.128 [	50%	0.42% + (	50%	5%	1 -	39%	27.6	1	\$28	8
C	459 *	1 -	30% *	22%	0.128 [	50%	0.42% + (	50%	5%	1 -	39%	17.25	0	\$0	0
D	3,793 *	1 -	31% *	22%	0.128 [	50%	0.42% + (	50%	5%	1 -	39%	23.22	1	\$23	8
Lifesaving																
Category A	457 *	1 -	78% *	22%	0.5 [	50%	0.42% + (	50%	5%	1 -	50%	51.26	0	\$0	0
Schools																
Category A	6,321 *	1 -	30% *	22%	0.5 [	50%	0.42% + (	50%	5%	1 -	0%	51.26	13	\$666	26
D	6,321 *	1 -	30% *	22%	0.5 [	50%	0.42% + (	50%	5%	1 -	0%	23.22	13	\$302	26
Waste Removal																
Category A	50 *	1 -	30% *	22%	0.5 [	50%	0.42% + (	50%	5%	1 -	50%	51.26	0	\$0	0
													335	\$15,796	1,260	
													original	336	26254	1271

Hours Item 12 Item 13 Responses
 65 \$3,077 \$99,018 792

Table #12

HBIG: Non Vaccinated Workers (Health Care Professional)
 Hours = # exposures x (1-% vaccinated) x 22% x health care professional time x [(source participation rate x RSS) + (% of sources refusing test * 5%)] x (1-compliance rate)
 Costs = # exposures x (1-% vaccinated) x 22% x cost of HBIG [(source participation rate x RSS) + (% of sources refusing test x 5%)] x (1-compliance rate)

ASSUMPTIONS:

- *HBIG will be offered only to those non-vaccinated workers who are found not to have natural immunity.
- *22% of non-vaccinated workers do not have natural immunity.
- *HBIG will be considered whenever a source is tested and found to be positive and whenever a high risk source refuses to be tested.
- *5% of exposures are attributable to a high risk source.
- *Time required equivalent to 1/3 time required to administer HBV vaccination.
- *Source will agree to be tested in 50% of exposure incidents.
- *COST of HBIG = \$211.

												HOURS	#12	13#	Responses
Office of the Physicians															
Category A	179,493 *	1 -	73%	22%	0.08 *[(	50%	0.42%	50%	5%	1	25% =	18	\$852		217
C	0 *	1 -	55%	22%	0.08 *[(	50%	0.42%	50%	5%	1	25% =	0	\$0		0
D	0 *	1 -	87%	22%	0.08 *[(	50%	0.42%	50%	5%	1	25% =	0	\$0		0
Office of Dentists															
Category A	279,485 *	1 -	92%	22%	0.08 *[(	50%	0.42%	50%	5%	1	11% =	10	\$474		119
C	43,075 *	1 -	44%	22%	0.08 *[(	50%	0.42%	50%	5%	1	11% =	11	\$521		128
Nursing Homes															
Category A	35,746 *	1 -	38%	22%	0.08 *[(	50%	0.42%	50%	5%	1	35% =	7	\$332		86
C	5,002 *	1 -	31%	22%	0.08 *[(	50%	0.42%	50%	5%	1	35% =	1	\$47		13
D	4,636 *	1 -	30%	22%	0.08 *[(	50%	0.42%	50%	5%	1	35% =	1	\$47		13
Hospitals															
Category A	254,449 *	1 -	77%	22%	0.08 *[(	50%	1.25%	50%	5%	1	74% =	9	\$426		105
B	34,579 *	1 -	77%	22%	0.08 *[(	50%	1.25%	50%	5%	1	74% =	1	\$47		14
C	30,799 *	1 -	62%	22%	0.08 *[(	50%	1.25%	50%	5%	1	74% =	2	\$95		21
Medical and Dental Labs															
Category A	5,177 *	1 -	79%	22%	0.08 *[(	50%	0.42%	50%	5%	1	38% =	0	\$0		4
C	0 *	1 -	38%	22%	0.08 *[(	50%	0.42%	50%	5%	1	38% =	0	\$0		0
D	487 *	1 -	30%	22%	0.08 *[(	50%	0.42%	50%	5%	1	38% =	0	\$0		1
Home Health Care															
Category A	6,244 *	1 -	52%	22%	0.08 *[(	50%	0.42%	50%	5%	1	61% =	1	\$47		7
C	0 *	1 -	30%	22%	0.08 *[(	50%	0.42%	50%	5%	1	61% =	0	\$0		0
D	2,575 *	1 -	84%	22%	0.08 *[(	50%	0.42%	50%	5%	1	61% =	0	\$0		1
Hospices															
Category A	684 *	1 -	58%	22%	0.08 *[(	50%	0.42%	50%	5%	1	39% =	0	\$0		1
C	0 *	1 -	82%	22%	0.08 *[(	50%	0.42%	50%	5%	1	39% =	0	\$0		0
D	215 *	1 -	30%	22%	0.08 *[(	50%	0.42%	50%	5%	1	39% =	0	\$0		1
Hemodialysis															
Category A	4,684 *	1 -	92%	22%	0.08 *[(	50%	0.42%	50%	5%	1	72% =	0	\$0		1
C	477 *	1 -	68%	22%	0.08 *[(	50%	0.42%	50%	5%	1	72% =	0	\$0		0
D	141 *	1 -	81%	22%	0.08 *[(	50%	0.42%	50%	5%	1	72% =	0	\$0		0
Drug Rehabilitation															
Category A	283 *	1 -	78%	22%	0.08 *[(	50%	0.42%	50%	5%	1	30% =	0	\$0		0
C	0 *	1 -	100%	22%	0.08 *[(	50%	0.42%	50%	5%	1	30% =	0	\$0		0
D	0 *	1 -	30%	22%	0.08 *[(	50%	0.42%	50%	5%	1	30% =	0	\$0		0
Government Clinics															
Category A	16,013 *	1 -	73%	22%	0.08 *[(	50%	0.42%	50%	5%	1	25% =	2	\$95		19
C	0.00	1 -	55%	22%	0.08 *[(	50%	0.42%	50%	5%	1	25% =	0	\$0		0
D	0.00	1 -	87%	22%	0.08 *[(	50%	0.42%	50%	5%	1	25% =	0	\$0		0
Blood/Plasma/Tissue Centers															
Category A	6,453 *	1 -	65%	22%	0.08 *[(	50%	0.10%	50%	5%	1	58% =	0	\$0		5
C	139 *	1 -	44%	22%	0.08 *[(	50%	0.10%	50%	5%	1	58% =	0	\$0		0
D	197 *	1 -	71%	22%	0.08 *[(	50%	0.10%	50%	5%	1	58% =	0	\$0		0
Residential Care															
Category A	4,850 *	1 -	64%	22%	0.08 *[(	50%	0.42%	50%	5%	1	34% =	1	\$47		7
C	388 *	1 -	30%	22%	0.08 *[(	50%	0.42%	50%	5%	1	34% =	0	\$0		1
D	2,571 *	1 -	73%	22%	0.08 *[(	50%	0.42%	50%	5%	1	34% =	0	\$0		3
Personnel Services															
Category A	2,993 *	1 -	38%	22%	\$211 *[(	50%	0.42%	50%	5%	1	80% =				\$467
D	0.00 *	1 -	30%	22%	\$211 *[(	50%	0.42%	50%	5%	1	0% =				\$0
Funeral Services															
Category A	11,735 *	1 -	67%	22%	\$211 *[(	50%	0.42%	50%	5%	1	20% =				\$3,897
C	0.00 *	1 -	30%	22%	\$211 *[(	50%	0.42%	50%	5%	1	20% =				\$0
D	0.00 *	1 -	64%	22%	\$211 *[(	50%	0.42%	50%	5%	1	20% =				\$0
Health Units in Industry															
Category A	186,835 *	1 -	60%	22%	\$211 *[(	50%	0.42%	50%	5%	1	14% =				\$80,852
B	0.00 *	1 -	42%	22%	\$211 *[(	50%	0.42%	50%	5%	1	14% =				\$0
D	0.00 *	1 -	30%	22%	\$211 *[(	50%	0.42%	50%	5%	1	14% =				\$0
Research Labs															
Category A	494 *	1 -	81%	22%	\$211 *[(	50%	0.42%	50%	5%	1	20% =				\$94
C	0.00 *	1 -	45%	22%	\$211 *[(	50%	0.42%	50%	5%	1	20% =				\$0
D	0.00 *	1 -	81%	22%	\$211 *[(	50%	0.42%	50%	5%	1	20% =				\$0
Linen Service															
D	3,000 *	1 -	30%	22%	\$211 *[(	50%	0.42%	50%	5%	1	90% =				\$264
Medical Equipment Repair															
Category A	0	1 -	41%	22%	\$211 *[(	50%	0.42%	50%	5%	1	26% =				\$0
B	0	1 -	37%	22%	\$211 *[(	50%	0.42%	50%	5%	1	26% =				\$0
C	161 *	1 -	36%	22%	\$211 *[(	50%	0.42%	50%	5%	1	26% =				\$96
D	2,464 *	1 -	30%	22%	\$211 *[(	50%	0.42%	50%	5%	1	26% =				\$1,606
Law Enforcement															
Category A	18,993 *	1 -	42%	22%	0.08 *[(	50%	0.42%	50%	5%	1	96% =	0	\$0		3
B	2,770 *	1 -	92%	22%	0.08 *[(	50%	0.42%	50%	5%	1	96% =	0	\$0		0
C	1,444 *	1 -	31%	22%	0.08 *[(	50%	0.42%	50%	5%	1	96% =	0	\$0		0
D	4,204 *	1 -	46%	22%	0.08 *[(	50%	0.42%	50%	5%	1	96% =	0	\$0		1

Fire and Rescue															
Category A	10,411 *	1 -	89%	22%	\$211 *[(	50%	0.42%	50%	5%	1	71% =		\$418	
B	857 *	1 -	86%	22%	\$211 *[(	50%	0.42%	50%	5%	1	71% =		\$44	
D	2,158 *	1 -	92%	22%	\$211 *[(	50%	0.42%	50%	5%	1	71% =		\$63	
Correctional Facilities															
Category A	3,034 *	1 -	54%	22%	0.08 *[(	50%	0.42%	50%	5%	1	39% =	0	\$0	5
B	1,887 *	1 -	32%	22%	0.08 *[(	50%	0.42%	50%	5%	1	39% =	0	\$0	5
C	459 *	1 -	30%	22%	0.08 *[(	50%	0.42%	50%	5%	1	39% =	0	\$0	1
D	3,793 *	1 -	31%	22%	0.08 *[(	50%	0.42%	50%	5%	1	39% =	1	\$47	10
Lifesaving															
Category A	457 *	1 -	78%	22%	\$211 *[(	50%	0.42%	50%	5%	1	50% =		\$63	
Schools															
Category A	6,321 *	1 -	30%	22%	\$211 *[(	50%	0.42%	50%	5%	1	0% =		\$5,566	
D	6,321 *	1 -	30%	22%	\$211 *[(	50%	0.42%	50%	5%	1	0% =		\$5,566	
Waste Removal															
Category A	50 *	1 -	30%	22%	\$211 *[(	50%	0.42%	50%	5%	1	50% =		\$22	
Total =												65	\$3,077	\$99,018	792
Formula originals												59	1159	99024	1260
												57	1166	99018	1258

Hours Item 12 Item 13 Responses
 280022 \$9,403,139 NA 1293193

TABLE 13

HIV Antibody Tests (Employee Time)

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

Assumptions:

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

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

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

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

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

										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	\$945,646	220008
Office of Dentists	322,560 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	10%	59,930	\$2,012,449	468203
Nursing Homes	45,384 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	23%	7,214	\$242,246	56359
Hospitals	319,827 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	65%	23,109	\$776,000	180539
Medical and Dental Labs	5,664 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	89%	129	\$4,332	1008
Home Health Care	8,819 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	58%	765	\$25,689	5977
Hospices	898 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	47%	98	\$3,291	766
Hemodialysis	5,302 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	69%	339	\$11,384	2648
Drug Rehabilitation	283 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	60%	23	\$772	180
Government Clinics	16,013 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	24%	2,512	\$84,353	19625
Blood/Plasma/Tissue Centers	6,789 x	80% x (	50% + (	50% x	0.05%)) x	4 x 0.128 x (	1	57%	598	\$20,081	4672
Residential Care	7,809 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.128 x (	1	7%	1,499	\$50,336	11711
Personnel Services	2,993 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	77%	555	\$18,637	1110
Funeral Services	11,735 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	22%	7,381	\$247,854	14762
Health Units in Industry	186,835 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	14%	129,571	\$4,350,994	259142
Research Labs	494 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	60%	159	\$5,339	318
Linen Services	3,000 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	90%	242	\$8,126	484
Medical Equipment Repair	2,625 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	0%	2,117	\$71,089	4234
Law Enforcement	27,411 x	80% x (	50% + (	50% x	17.00%)) x	4 x 0.128 x (	1	91%	591	\$19,846	4617
Fire and Rescue	13,426 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	68%	3,465	\$116,355	6930
Correctional Facilities	9,173 x	80% x (	50% + (	50% x	17.00%)) x	4 x 0.128 x (	1	47%	1,165	\$39,121	9102
Lifesaving	457 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	50%	184	\$6,179	368
Schools	12,642 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	0%	10,195	\$342,348	20390
Waste Removal	50 x	80% x (	50% + (	50% x	0.80%)) x	4 x 0.500 x (	1	50%	20	\$672	40
Totals									TOTAL	280,022	\$9,403,139	1,293,193

Hours
 Item 12 Item 13 Responses
 619983 \$24,284,732 NA 964060

TABLE 15

Counseling for Workers Who May Have HIV Exposure

(Employee and Counselor Time)

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

Assumptions:

*Employee participation rate is 80%.

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

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

*2 counseling sessions will be given to employees accepting testing.

*Counseling sessions will require 30 minutes.

										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%	95530	\$3,741,910	144,743
Office of Dentists	322,560 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	15%	221096	\$8,660,330	260,112
Nursing Homes	45,384 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	24%	27814	\$1,089,474	36,598
Hospitals	319,827 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	73%	69635	\$2,727,603	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%	1370	\$53,663	4,567
Home Health Care	8,819 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	24%	5405	\$211,714	7,112
Hospices	898 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	31%	500	\$19,585	724
Hemodialysis	5,302 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	61%	1667	\$65,296	4,276
Drug Rehabilitation	283 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	63%	84	\$3,290	228
Government Clinics	16,013 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	16%	10847	\$424,877	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	\$2,115	5,434
Residential Care	7,809 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	11%	5604	\$219,509	6,297
Personnel Services	2,993 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	67%	796	\$31,179	2,414
Funeral Services	11,735 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	6%	8895	\$348,417	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%	149157	\$5,842,480	150,664
Research Labs	494 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	30%	279	\$10,928	398
Linen Services	3,000 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	90%	242	\$9,479	2,419
Medical Equipment Repair	2,625 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	0%	2117	\$82,923	2,117
Law Enforcement	27,411 x	80% x (	50% + (	50% x	17.00%	2 x (	0.5 + 0.5)	x (1	89%	2822	\$110,538	25,657
Fire and Rescue	13,426 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	73%	2923	\$114,494	10,827
Correctional Facilities	9,173 x	80% x (	50% + (	50% x	17.00%	2 x (	0.5 + 0.5)	x (1	68%	2747	\$107,600	8,586
Lifesaving	457 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	50%	184	\$7,207	369
Schools	12,642 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	0%	10195	\$399,338	10,195
Waste Removal	50 x	80% x (	50% + (	50% x	0.80%	2 x (	0.5 + 0.5)	x (1	50%	20	\$783	40
Totals						TOTAL	=	=		619,983	\$24,284,732	964,060

Hours Item 12 Item 13 Responses
 935,957 \$21,779,718 NA 4,096,804

Table 18

Recordkeeping: Medical Records
 Hours = [((# workers x 10 minutes (.17 hour) + (3 potentially vaccinated x 15 minutes (.25 hour)) x job turnover rate] +
 [# of exposures x (5 minutes + 15 minutes)]
 Assumptions:
 Cost of creating records for new hires: [((# of workers x .08 hour) + (# of potentially vaccinated x .2 hour)) x Job turnover]
 - 10 minutes is required to establish a file for a new worker
 - # potentially vaccinated = (# workers -(# workers x prior vaccination rate)) x participation rate.
 - 15 minutes of HCP is need to prepare a written opinion with regard to the ability of each employee to accept the hepatitis B vaccine
 Time required to update records and have a health care professional I prepare a written opinion workers reporting exposures
 exposure is [# of exposures x (5 minutes + 15 minutes)]
 - 5 minutes to update existing files
 - 15 minutes is required for a HCP to prepare a written opinion regarding an exposure incident

Sector	Category	Office of the Physicians	Vaccinated workers	Hours	No .12 Costs	Response
Office of the F	Category A	(((1,270,003 x 0.17) + (269,366 x 0.25))	22.80%]+ [179,493 x (0.083 + 0.25)] =	124,350	\$2,893,625	530,469
Office of the F	C	(((9,147 x 0.17) + (1,447 x 0.25))	31.60%]+ [0 x (0.083 + 0.25)] =	606	\$14,102	3,348
Office of the F	D	(((91,461 x 0.17) + (15,740 x 0.25))	21.80%]+ [0 x (0.083 + 0.25)] =	4,247	\$98,828	23,370
Office of Dent	Office of Dentists]+ [
Office of Dent	Category A	(((471,012 x 0.17) + (87,580 x 0.25))	26.80%]+ [279,485 x (0.083 + 0.25)] =	120,396	\$2,801,615	429,188
Office of Dent	C	(((4,514 x 0.17) + (814 x 0.25))	31.60%]+ [43,075 x (0.083 + 0.25)] =	14,651	\$340,929	44,759
Nursing Home	Nursing Homes]+ [
Nursing Home	Category A	(((700,374 x 0.17) + (169,421 x 0.25))	49.90%]+ [35,746 x (0.083 + 0.25)] =	92,451	\$2,151,335	469,774
Nursing Home	C	(((45,186 x 0.17) + (12,848 x 0.25))	31.60%]+ [5,002 x (0.083 + 0.25)] =	5,108	\$118,863	23,341
Nursing Home	D	(((7,531 x 0.17) + (1,183 x 0.25))	31.60%]+ [4,636 x (0.083 + 0.25)] =	2,042	\$47,517	7,390
Hospitals	Hospitals]+ [
Hospitals	Category A	(((2,371,307 x 0.17) + (655,817 x 0.25))	27.20%]+ [254,449 x (0.083 + 0.25)] =	238,976	\$5,560,972	1,077,827
Hospitals	B	(((202,612 x 0.17) + (65,866 x 0.25))	21.80%]+ [34,579 x (0.083 + 0.25)] =	22,613	\$526,205	93,107
Hospitals	C	(((315,174 x 0.17) + (56,581 x 0.25))	31.60%]+ [30,799 x (0.083 + 0.25)] =	31,657	\$736,658	148,273
Medical and I	Medical and Dental Labs]+ [
Medical and I	Category A	(((234,940 x 0.17) + (60,899 x 0.25))	21.70%]+ [5,177 x (0.083 + 0.25)] =	13,695	\$318,683	69,374
Medical and I	C	(((1,809 x 0.17) + (469 x 0.25))	31.60%]+ [0 x (0.083 + 0.25)] =	134	\$3,118	720
Medical and I	D	(((203,988 x 0.17) + (52,155 x 0.25))	31.60%]+ [487 x (0.083 + 0.25)] =	15,241	\$354,658	81,428
Home Health	Home Health]+ [
Home Health	Category A	(((288,088 x 0.17) + (75,334 x 0.25))	36.30%]+ [6,244 x (0.083 + 0.25)] =	26,694	\$621,169	138,166
Home Health	C	(((4,259 x 0.17) + (792 x 0.25))	31.60%]+ [0 x (0.083 + 0.25)] =	291	\$6,772	1,596
Home Health	D	(((8,943 x 0.17) + (1,890 x 0.25))	36.30%]+ [2,575 x (0.083 + 0.25)] =	1,581	\$36,790	6,507
Hospices	Hospices]+ [
Hospices	Category A	(((10,565 x 0.17) + (3,091 x 0.25))	36.30%]+ [684 x (0.083 + 0.25)] =	1,160	\$26,993	5,641
Hospices	C	(((154 x 0.17) + (46 x 0.25))	31.60%]+ [0 x (0.083 + 0.25)] =	12	\$279	63
Hospices	D	(((27 x 0.17) + (19 x 0.25))	36.30%]+ [215 x (0.083 + 0.25)] =	75	\$1,745	232
Hemodialysis	Hemodialysis]+ [
Hemodialysis	Category A	(((4,964 x 0.17) + (4,224 x 0.25))	25.50%]+ [4,684 x (0.083 + 0.25)] =	2,044	\$47,564	7,027
Hemodialysis	C	(((87 x 0.17) + (39 x 0.25))	31.60%]+ [477 x (0.083 + 0.25)] =	167	\$3,886	517
Hemodialysis	D	(((230 x 0.17) + (166 x 0.25))	21.80%]+ [141 x (0.083 + 0.25)] =	65	\$1,513	227
Drug Rehabili	Drug Rehabilitation]+ [
Drug Rehabili	Category A	(((6,067 x 0.17) + (1,542 x 0.25))	25.50%]+ [283 x (0.083 + 0.25)] =	456	\$10,611	2,223
Drug Rehabili	C	(((149 x 0.17) + (56 x 0.25))	31.60%]+ [0 x (0.083 + 0.25)] =	12	\$279	65
Drug Rehabili	D	(((506 x 0.17) + (146 x 0.25))	21.80%]+ [0 x (0.083 + 0.25)] =	27	\$628	142
Government (	Government Clinics]+ [
Government (	Category A	(((52,156 x 0.17) + (14,312 x 0.25))	22.80%]+ [16,013 x (0.083 + 0.25)] =	8,170	\$190,116	31,168
Government (	C	(((381 x 0.17) + (133 x 0.25))	31.60%]+ [0 x (0.083 + 0.25)] =	31	\$721	162
Government (	D	(((3,808 x 0.17) + (1,142 x 0.25))	21.80%]+ [0 x (0.083 + 0.25)] =	203	\$4,724	1,079
Blood/Plasma	Blood/Plasma/Tissue Centers]+ [
Blood/Plasma	Category A	(((33,828 x 0.17) + (5,394 x 0.25))	21.80%]+ [6,453 x (0.083 + 0.25)] =	3,697	\$86,029	15,003
Blood/Plasma	C	(((372 x 0.17) + (44 x 0.25))	31.60%]+ [139 x (0.083 + 0.25)] =	70	\$1,629	270
Blood/Plasma	D	(((725 x 0.17) + (94 x 0.25))	36.30%]+ [197 x (0.083 + 0.25)] =	119	\$2,769	494

Residential C Residential Care]+[
Residential C Category A	(((	71,542 x 0.17 )+(	47,501 x 0.25)	49.60%	]+[	4,850 x (0.083 + 0.25)]=	13,538	\$315,029	63,895
Residential C C	(((	1,975 x 0.17 )+(	1,077 x 0.25)	31.60%	]+[	388 x (0.083 + 0.25)]=	320	\$7,446	1,353
Residential C D	(((	11,723 x 0.17 )+(	7,050 x 0.25)	36.30%	]+[	2,571 x (0.083 + 0.25)]=	2,219	\$51,636	9,386
Personnel Se Personnel Services]+[
Personnel Se Category A	(((	61,387 x 0.17 )+(	22,406 x 0.25)	100.00%	]+[	2,993 x (0.083 + 0.25)]=	17,034	\$396,381	86,786
Personnel Se D	(((	102,090 x 0.17 )+(	51,045 x 0.25)	31.60%	]+[	0 x (0.083 + 0.25)]=	9,517	\$221,461	48,391
Funeral Servi Funeral Services]+[
Funeral Servi Category A	(((	53,377 x 0.17 )+(	0 x 0.25)	21.80%	]+[	0 x (0.083 + 0.25)]=	1,978	\$46,028	11,636
Funeral Servi C	(((	2,845 x 0.17 )+(	410 x 0.25)	31.60%	]+[	11,735 x (0.083 + 0.25)]=	4,093	\$95,244	12,764
Funeral Servi D	(((	3,385 x 0.17 )+(	1,749 x 0.25)	31.60%	]+[	0 x (0.083 + 0.25)]=	320	\$7,446	1,622
Health Units i Health Units in Industry]+[
Health Units i Category A	(((	34,184 x 0.17 )+(	0 x 0.25)	31.70%	]+[	0 x (0.083 + 0.25)]=	1,842	\$42,863	10,836
Health Units i B	(((	141,051 x 0.17 )+(	37,237 x 0.25)	21.80%	]+[	186,835 x (0.083 + 0.25)]=	69,473	\$1,616,637	225,702
Health Units i D	(((	3,497 x 0.17 )+(	1,049 x 0.25)	31.60%	]+[	0 x (0.083 + 0.25)]=	271	\$6,306	1,437
Research Lat Research Labs]+[
Research Lat Category A	(((	87,484 x 0.17 )+(	27,864 x 0.25)	21.80%	]+[	0 x (0.083 + 0.25)]=	4,761	\$110,788	25,146
Research Lat C	(((	1,315 x 0.17 )+(	658 x 0.25)	31.60%	]+[	494 x (0.083 + 0.25)]=	287	\$6,678	1,117
Research Lat D	(((	352 x 0.17 )+(	106 x 0.25)	21.80%	]+[	0 x (0.083 + 0.25)]=	19	\$442	100
Linen ServiceLinen Service]+[
Linen Service D	(((	58,840 x 0.17 )+(	15,050 x 0.25)	54.00%	]+[	3,000 x (0.083 + 0.25)]=	8,432	\$196,213	42,901
Medical EquipMedical Equipment Repair]+[
Medical Equip Category A	(((	473 x 0.17 )+(	43 x 0.25)	36.30%	]+[	0 x (0.083 + 0.25)]=	33	\$768	187
Medical Equip B	(((	200 x 0.17 )+(	0 x 0.25)	36.30%	]+[	0 x (0.083 + 0.25)]=	12	\$279	73
Medical Equip C	(((	5,152 x 0.17 )+(	1,808 x 0.25)	21.80%	]+[	161 x (0.083 + 0.25)]=	343	\$7,982	1,678
Medical Equip D	(((	360 x 0.17 )+(	88 x 0.25)	21.80%	]+[	2,464 x (0.083 + 0.25)]=	839	\$19,524	2,562
Law EnforcenLaw Enforcement]+[
Law Enforcen Category A	(((	471,070 x 0.17 )+(	0 x 0.25)	10.10%	]+[	18,993 x (0.083 + 0.25)]=	14,413	\$335,391	66,571
Law Enforcen B	(((	1,746 x 0.17 )+(	341 x 0.25)	21.80%	]+[	2,770 x (0.083 + 0.25)]=	1,006	\$23,410	3,225
Law Enforcen C	(((	4,019 x 0.17 )+(	0 x 0.25)	31.60%	]+[	1,444 x (0.083 + 0.25)]=	697	\$16,219	2,714
Law Enforcen D	(((	47,637 x 0.17 )+(	7,818 x 0.25)	10.10%	]+[	4,204 x (0.083 + 0.25)]=	2,415	\$56,197	9,805
Fire and RescFire and Rescue]+[
Fire and Resc Category A	(((	175,965 x 0.17 )+(	31,427 x 0.25)	21.80%	]+[	10,411 x (0.083 + 0.25)]=	11,701	\$272,282	55,622
Fire and Resc B	(((	210,807 x 0.17 )+(	40,924 x 0.25)	8.50%	]+[	857 x (0.083 + 0.25)]=	4,201	\$97,757	22,254
Fire and Resc D	(((	2,735 x 0.17 )+(	0 x 0.25)	36.30%	]+[	2,158 x (0.083 + 0.25)]=	887	\$20,640	3,151
Correctional F Correctional Facilities]+[
Correctional F Category A	(((	21,671 x 0.17 )+(	3,269 x 0.25)	31.70%	]+[	3,034 x (0.083 + 0.25)]=	2,437	\$56,709	10,940
Correctional F B	(((	214,315 x 0.17 )+(	24,368 x 0.25)	41.00%	]+[	1,887 x (0.083 + 0.25)]=	18,064	\$420,349	99,747
Correctional F C	(((	18,806 x 0.17 )+(	1,680 x 0.25)	31.60%	]+[	459 x (0.083 + 0.25)]=	1,296	\$30,158	6,933
Correctional F D	(((	56,077 x 0.17 )+(	0 x 0.25)	29.10%	]+[	3,793 x (0.083 + 0.25)]=	4,037	\$93,941	20,111
Lifesaving Lifesaving]+[
LifesavingA Category A	(((	5,000 x 0.17 )+(	1,518 x 0.25)	21.80%	]+[	457 x (0.083 + 0.25)]=	420	\$9,773	1,878
Schools Schools]+[
SchoolsA Category A	(((	23,514 x 0.17 )+(	0 x 0.25)	25.00%	]+[	6,321 x (0.083 + 0.25)]=	3,104	\$72,230	12,200
SchoolsD D	(((	17,848 x 0.17 )+(	5,922 x 0.25)	36.30%	]+[	6,321 x (0.083 + 0.25)]=	3,744	\$87,123	14,950
Waste RemovWaste Removal]+[
Waste Remov Category A	(((	13,300 x 0.17 )+(	3,591 x 0.25)	36.30%	]+[	50 x (0.083 + 0.25)]=	1,163	\$27,063	6,181
TOTALS							935,957	\$21,779,718	4,096,804

Blood/Plasmæ D	725 x (	1 +	36.30% /	2 x)	0.017 =	15	\$349	857
Residential C Residential Care								
Residential C Category A	71,542 x (	1 +	49.60% /	2 x)	0.017 =	1,518	\$35,324	89,284
Residential C C	1,975 x (	1 +	31.60% /	2 x)	0.017 =	39	\$908	2,288
Residential C D	11,723 x (	1 +	36.30% /	2 x)	0.017 =	235	\$5,468	13,851
Personnel Se Personnel Services								
Personnel Se Category A	61,387 x (	1 +	1.00% /	2 x)	0.017 =	1,049	\$24,410	61,694
Personnel Se D	102,090 x (	1 +	31.60% /	2 x)	0.017 =	2,010	\$46,773	118,220
Funeral Servi Funeral Services								
Funeral Servi Category A	53,377 x (	1 +	21.80% /	2 x)	0.017 =	1,006	\$23,410	59,195
Funeral Servi C	2,845 x (	1 +	31.60% /	2 x)	0.017 =	56	\$1,303	3,294
Funeral Servi D	3,385 x (	1 +	31.60% /	2 x)	0.017 =	67	\$1,559	3,920
Health Units i Health Units in Industry								
Health Units i Category A	34,184 x (	1 +	31.70% /	2 x)	0.017 =	673	\$15,661	39,602
Health Units i B	141,051 x (	1 +	21.80% /	2 x)	0.017 =	2,659	\$61,875	156,426
Health Units i D	3,497 x (	1 +	31.60% /	2 x)	0.017 =	69	\$1,606	4,050
Research Lat Research Labs								
Research Lat Category A	87,484 x (	1 +	21.80% /	2 x)	0.017 =	1,649	\$38,372	97,020
Research Lat C	1,315 x (	1 +	31.60% /	2 x)	0.017 =	26	\$605	1,523
Research Lat D	352 x (	1 +	21.80% /	2 x)	0.017 =	7	\$163	390
Linen Service Linen Service								
Linen Service D	58,840 x (	1 +	54.00% /	2 x)	0.017 =	1,270	\$29,553	74,727
Medical Equip Medical Equipment Repair								
Medical Equip Category A	473 x (	1 +	38.30% /	2 x)	0.017 =	10	\$233	564
Medical Equip B	200 x (	1 +	38.30% /	2 x)	0.017 =	4	\$93	238
Medical Equip C	5,152 x (	1 +	21.80% /	2 x)	0.017 =	97	\$2,257	5,714
Medical Equip D	360 x (	1 +	21.80% /	2 x)	0.017 =	7	\$163	399
Law Enforcen Law Enforcement								
Law Enforcen Category A	471,070 x	1 +	10.10% /	2 x)	0.017 =	8,413	\$195,771	494,859
Law Enforcen B	1,746 x (	1 +	21.80% /	2 x)	0.017 =	33	\$768	1,936
Law Enforcen C	4,019 x (	1 +	31.60% /	2 x)	0.017 =	79	\$1,838	4,654
Law Enforcen D	47,637 x (	1 +	10.10% /	2 x)	0.017 =	851	\$19,803	50,043
Fire and Resc Fire and Rescue								
Fire and Resc Category A	175,965 x (	1 +	21.80% /	2 x)	0.017 =	3,317	\$77,187	195,145
Fire and Resc B	210,807 x (	1 +	8.50% /	2 x)	0.017 =	3,736	\$86,937	219,766
Fire and Resc D	2,735 x	1 +	38.30% /	2 x)	0.017 =	55	\$1,280	3,259
Correctional f Correctional Facilities								
Correctional f Category A	21,671 x (	1 +	31.70% /	2 x)	0.017 =	427	\$9,936	25,106
Correctional f B	214,315 x (	1 +	41.00% /	2 x)	0.017 =	4,390	\$102,155	258,249
Correctional f C	18,806 x (	1 +	31.60% /	2 x)	0.017 =	370	\$8,610	21,778
Correctional f D	56,077 x (	1 +	29.10% /	2 x)	0.017 =	1,092	\$25,411	64,236
Lifesaving Lifesaving								
LifesavingA Category A	5,000 x (	1 +	21.80% /	2 x)	0.017 =	94	\$2,187	5,545
Schools Schools								
SchoolsA Category A	23,514 x (	1 +	25.00% /	2 x)	0.017 =	450	\$10,472	26,453
SchoolsD D	17,848 x (	1 +	36.30% /	2 x)	0.017 =	358	\$8,331	21,087
Waste Remo Waste Removal								
Waste Remo Category D	13,300 x (	1 +	36.30% /	2 x)	0.017 =	267	\$6,213	15,714
TOTALS						159,945	\$3,721,923	9,408,434