

Table 1: Summary Statistics

Variable	Mean	Total SD	Within-Group		Observations	Countries
			SD			
Immunization						
Coverage	76.0636	24.7984	16.9944		4688	192
Disease Surveillance						
Index	0.0000	1.6668	1.2689		1657	170
IGO Membership	40.8639	19.0709	5.9714		4170	192
INGO Participation	635.6244	740.2712	248.5349		4179	192
Incidence Count	109.0708	1185.1330	859.0266		4870	192
GDP per capita	5359.2340	8191.0870	1834.6530		4373	176
Population (/100,000)	296.3950	1124.2860	130.8816		4948	188
Population Density	149.5634	620.4796	72.1349		4905	188
Youth Population (%)	34.6681	10.3406	2.6581		4728	176
Infant Mortality Rate	50.9924	42.9437	10.5343		4733	188
Democracy Score	4.4651	4.1491	1.9404		3885	159
Autocracy Score	3.1303	3.4637	1.9180		3896	159
Durability Indicator	23.3439	29.2450	9.4808		3995	160
Armed Conflict						
Indicator	0.1281	0.3343	0.2339		3278	149

Table 2: Immunization Coverage for all countries

	Model 1		Model 2	
	Beta	SD	Beta	SD
IGO Membership	0.0895	0.0388 *	0.0954	0.0385 *
INGO Participation	0.0011	0.0014	-0.0012	0.0014
PEI			4.4266	0.6780 ***
Incidence Count	0.0001	0.0003	0.0001	0.0003
GDP per capita	-0.0003	0.0003	-0.0004	0.0003
Population	-0.0023	0.0025	-0.0027	0.0024
Population Density	0.0214	0.0168	0.0156	0.0167
Youth Population (%)	-0.0941	0.1453	-0.1091	0.1439
Infant Mortality Rate	-0.2185	0.0342 ***	-0.1832	0.0343 ***
Democracy Score	-0.0500	0.2133	0.0116	0.2114
Autocracy Score	0.0103	0.2313	0.1813	0.2306
Durability Score Armed Conflict	0.0424	0.0256	0.0554	0.0254 *
Indicator Lag of Immunization	-2.1575	0.8866 *	-2.6240	0.8810 **
Coverage	0.6718	0.0147 ***	0.6383	0.0155 ***
Constant	35.4862	6.8598 ***	34.5971	6.7957 ***
N	2296		2296	
Countries	135		135	
Sigman_u	7.6379		6.0462	
Sigma_e	8.8977		8.8127	
Rho	0.4243		0.3201	

Table 3: Immunization Coverage by Income Category

	High Income		Middle Income		Low Income	
	Beta	SD	Beta	SD	Beta	SD
IGO						
Membership	0.1927	0.0853 *	0.0531	0.0464	0.1096	0.1180
INGO						
Participation	-0.0046	0.0022 *	-0.0005	0.0029	0.0022	0.0137
PEI	0.5528	1.1262	5.1309	1.0712 ***	6.6959	1.6173 ***
Incidence Count	0.0437	0.0974	0.0002	0.0003	-0.0037	0.0021
GDP per capita	0.0001	0.0003	-0.0010	0.0011	-0.0159	0.0109
Population	-0.0036	0.0103	-0.0037	0.0027	-0.0116	0.0148
Population						
Density	-0.0638	0.0409	0.0042	0.0482	0.0163	0.0289
Youth						
Population (%)	0.5075	0.3391	-0.5090	0.2314 *	-0.2325	0.5042
Infant Mortality						
Rate	-1.0299	0.2325 ***	-0.1925	0.0489 ***	-0.1232	0.0616 *
Democracy						
Score	-2.6605	1.0988 *	0.2896	0.2870	0.2301	0.4423
Autocracy Score	-4.3853	1.6055 **	0.8567	0.3508 *	0.1481	0.4248
Durability Score	0.2791	0.1725	0.0573	0.0435	0.1090	0.0512 *
Armed Conflict						
Indicator	(dropped)		-2.5574	1.2545 *	-3.8625	1.5450 *
Lag of						
Immunization						
Coverage	0.5902	0.0356 ***	0.5746	0.0240 ***	0.6548	0.0293 ***
Constant	53.4226	19.3205 **	54.9936	11.3209 ***	36.5548	27.5713
N	518		1079		699	
Countries	30		64		41	
Sigman_u	21.6335		8.2068		6.8606	
Sigma_e	6.8530		8.7160		9.9574	
Rho	0.9088		0.4699		0.3219	

Table 4: Fixed Effects Analysis of Disease Surveillance Index, All Countries

	Model 1		Model 2	
	Beta	SD	Beta	SD
IGO Membership	0.0056	0.0119	0.0021	0.0120
INGO Participation	-0.0004	0.0004	-0.0002	0.0004
Certification			0.0115	0.1969
Post-certification			-0.3149	0.2420
Incidence Count	0.0001	0.0003	0.0002	0.0003
GDP per capita	0.0002	0.0001	0.0002	0.0001 *
Population	-0.0006	0.0012	-0.0008	0.0012
Population Density	0.0033	0.0047	0.0024	0.0047
Youth Population (%)	0.0423	0.0438	0.0133	0.0472
Infant Mortality Rate	-0.0001	0.0142	-0.0025	0.0143
Democracy Score	-0.1715	0.0671 *	-0.1687	0.0671 *
Autocracy Score	-0.2083	0.0894 *	-0.2070	0.0893 *
Durability Score	-0.0048	0.0141	-0.0018	0.0142
Lag of Disease Surveillance Index	0.3353	0.0291 ***	0.3331	0.0291 ***
Constant	-1.0207	2.0405	0.0288	2.1441
N Countries	1031	139	1031	139
Sigman_u	2.5962		2.7103	
Sigma_e	1.1722		1.1708	
Rho	0.8307		0.8427	

Table 5: Fixed Effects Analysis of Disease Surveillance by Income Category

	High Income		Middle Income		Low Income	
	Beta	SD	Beta	SD	Beta	SD
IGO Membership	0.0524	0.0274	-0.0168	0.0220	0.0353	0.0363
INGO						
Participation	-0.0017	0.0008 *	0.0006	0.0008	-0.0035	0.0030
Certification	-0.2756	0.3369	0.4638	0.2723	-0.9970	0.6730
Post-certification	-0.8041	0.4832	0.1528	0.3417	-1.5091	0.8273
Incidence Count	-0.3690	0.5014	0.0002	0.0003	-0.0005	0.0010
GDP per capita	-0.0001	0.0002	0.0002	0.0003	-0.0019	0.0038
Population	-0.0049	0.0076	-0.0012	0.0013	-0.0023	0.0054
Population Density	-0.0076	0.0063	0.0260	0.0169	0.0033	0.0115
Youth Population						
(%)	-0.0031	0.2645	0.0830	0.0657	-0.0547	0.1303
Infant Mortality						
Rate	0.1678	0.1643	-0.0135	0.0234	-0.0112	0.0235
Democracy Score	-0.6127	0.5366	-0.1270	0.0950	-0.2151	0.1094 *
Autocracy Score	-0.4241	0.4497	0.0674	0.1325	-0.3528	0.1455 *
Durability Score	0.3283	0.1239 **	-0.0177	0.0222	-0.0071	0.0213
Lag of Disease						
Surveillance Index	0.1006	0.0669	0.3391	0.0413 ***	0.3948	0.0560 ***
Constant	-8.4304	10.6871	-2.8935	2.9595	5.9600	7.5359
N	228		490		313	
Countries	33		64		42	
Sigman_u	16.0783		3.0593		1.5984	
Sigma_e	1.0736		1.1355		1.2541	
Rho	0.9956		0.8789		0.6189	