Tobit Lagged

August 20, 2018

# Summary statistics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | 2010 | 2012 | 2014 | 2016 |
| Year | 2010 | 2012 | 2014 | 2016 |
| Number of Countries | 161 | 161 | 170 | 169 |
| Eastern Mediterranean | 11.8% | 11.8% | 11.2% | 11.2% |
| Americas | 16.8% | 16.8% | 17.1% | 16.6% |
| African | 21.1% | 21.1% | 24.7% | 24.9% |
| European | 30.4% | 30.4% | 28.2% | 28.4% |
| Southeast Asia | 6.2% | 6.2% | 5.9% | 5.9% |
| Western Pacific | 13.7% | 13.7% | 12.9% | 13.0% |
| GDP per capita (thousands) | 17.84 (19.61) | 18.23 (19.53) | 17.70 (19.15) | 18.20 (19.51) |
| Tobacco Prod. (thousands tons) | 54.28 (303.85) | 59.77 (343.61) | 55.34 (297.75) | 51.99 (279.08) |
| Women’s rights | 16.16 (12.32) | 16.77 (11.86) | 17.49 (12.22) | 18.36 (12.76) |
| Women’s Labor | 40.33 (9.60) | 40.53 (9.60) | 40.89 (9.52) | 41.01 (9.46) |
| Population (millions) | 37.25 (144.70) | 38.12 (147.24) | 37.63 (145.95) | 38.76 (148.87) |
| % Political Shift | 24.2% | 29.2% | 27.1% | 0.0% |
| % Political Shift (missings) | 9.3% | 10.6% | 12.4% | 100.0% |
| # of Bloomberg projects | 0.44 (1.57) | 0.52 (1.63) | 0.43 (1.49) | 0.11 (0.56) |
| USD Bloomberg projects (thousands) | 83.68 (319.24) | 67.01 (279.53) | 52.43 (201.94) | 17.57 (111.92) |
| # of Bloomberg FCTC projects | 0.14 (0.79) | 0.19 (0.45) | 0.12 (0.49) | 0.04 (0.24) |
| USD Bloomberg FCTC projects (thousands) | 32.62 (200.23) | 23.81 (77.64) | 15.33 (61.46) | 10.32 (89.01) |
| Government Ownership | 0.13 (0.34) | 0.13 (0.34) | 0.12 (0.33) | 0.12 (0.33) |
| Control of Corruption | -0.04 (1.01) | -0.04 (1.00) | -0.09 (0.98) | -0.10 (0.98) |
| Rule of Law | -0.04 (0.97) | -0.04 (0.96) | -0.07 (0.96) | -0.10 (0.96) |
| Health Exp. per capita (ppp) | 743.06 (1,026.85) | 796.85 (1,098.56) | 827.23 (1,161.90) |  |
| Years since signing (in 2014) | 10.19 (1.51) | 10.19 (1.51) | 10.06 (1.73) | 10.06 (1.73) |
| Years since ratification (in 2014) | 8.46 (1.92) | 8.46 (1.92) | 8.27 (2.12) | 8.27 (2.13) |
| Smoking prevalence Female | 0.12 (0.11) | 0.12 (0.11) | 0.11 (0.11) | 0.10 (0.10) |
| Smoking prevalence Male | 0.36 (0.14) | 0.35 (0.13) | 0.34 (0.13) | 0.33 (0.13) |
| # Items Implemented Art. 5 | 1.89 (2.32) | 3.62 (1.89) | 3.99 (1.69) | 4.21 (1.41) |
| # Items Implemented Art. 6 | 1.70 (2.17) | 2.82 (2.05) | 3.29 (1.97) | 4.15 (2.11) |
| # Items Implemented Art. 8 | 0.94 (1.20) | 3.50 (1.87) | 3.96 (1.81) | 4.09 (1.61) |
| # Items Implemented Art. 11 | 3.33 (4.08) | 5.78 (3.81) | 8.46 (4.98) | 9.71 (4.51) |
| # Items Implemented Art. 13 | 3.88 (5.33) | 6.39 (4.64) | 7.09 (4.40) | 7.19 (3.98) |
| # Items Implemented Art. 14 | 7.75 (10.49) | 14.01 (11.08) | 15.66 (10.75) | 16.82 (11.40) |

# Pvalues for Network effects of final model

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X1 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Article 5 | 0.09 | -0.13 | -0.05 | -0.10 | 0.03 |
|  | (0.20) | (0.15) | (0.11) | (0.06) | (0.06) |
| Article 6 | 0.37 \*\* | 0.29 | 0.37 \*\*\* | 0.12 | 0.13 \* |
|  | (0.19) | (0.18) | (0.13) | (0.08) | (0.08) |
| Article 8 | 1.34 \*\*\* | 0.31 | 0.14 | 0.11 | 0.08 |
|  | (0.32) | (0.20) | (0.14) | (0.08) | (0.08) |
| Article 11 | 2.61 \*\*\* | 0.57 | 0.10 | 0.08 | 0.33 \* |
|  | (0.57) | (0.47) | (0.32) | (0.19) | (0.19) |
| Article 13 | 0.77 \* | -0.03 | -0.18 | -0.05 | 0.33 \* |
|  | (0.43) | (0.44) | (0.30) | (0.20) | (0.20) |
| Article 14 | 0.34 | -0.17 | 1.01 \* | -0.19 | 0.48 |
|  | (1.02) | (0.88) | (0.61) | (0.40) | (0.38) |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes the lagged number of items reported. Also, it only includes members that provided a reported on 2012. |  |  |  |  |  |

# Full model

## Article 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 5 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 0.27 | -0.20 | -0.07 | -0.02 | 0.05 |
|  | (0.23) | (0.17) | (0.12) | (0.07) | (0.07) |
| Lagged Y (Number of Items) | 0.43 \*\*\* | 0.42 \*\*\* | 0.42 \*\*\* | 0.42 \*\*\* | 0.43 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | -0.54 | -0.68 \* | -0.69 \* | -0.67 \* | -0.70 \* |
|  | (0.38) | (0.36) | (0.36) | (0.36) | (0.36) |
| African | -0.29 | -0.41 | -0.40 | -0.35 | -0.38 |
|  | (0.38) | (0.38) | (0.38) | (0.38) | (0.38) |
| European | -0.47 | -0.46 | -0.45 | -0.41 | -0.46 |
|  | (0.39) | (0.39) | (0.39) | (0.39) | (0.39) |
| South-East Asia | -0.71 \* | -0.59 | -0.64 | -0.62 | -0.64 |
|  | (0.41) | (0.40) | (0.40) | (0.40) | (0.40) |
| Western Pacific | -0.56 | -0.47 | -0.52 | -0.51 | -0.55 |
|  | (0.38) | (0.38) | (0.38) | (0.38) | (0.38) |
| GDP per capita (ppp) | -0.08 | -0.06 | -0.07 | -0.07 | -0.07 |
|  | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) |
| Tobacco Prod. per capita | -0.05 | -0.04 | -0.04 | -0.05 | -0.04 |
|  | (0.10) | (0.09) | (0.09) | (0.10) | (0.10) |
| Women’s rights | -0.01 | -0.01 | -0.01 | -0.02 | -0.02 |
|  | (0.08) | (0.08) | (0.08) | (0.08) | (0.08) |
| Women’s Labor | 0.00 | 0.01 | 0.01 | 0.00 | 0.02 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| Log Population | 0.06 | 0.08 | 0.08 | 0.08 | 0.06 |
|  | (0.08) | (0.08) | (0.08) | (0.08) | (0.08) |
| PolShift | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
|  | (0.08) | (0.08) | (0.08) | (0.08) | (0.08) |
| Bloomberg FCTC # | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 |
|  | (0.17) | (0.17) | (0.17) | (0.17) | (0.17) |
| Government Ownership | 0.25 | 0.29 | 0.29 | 0.31 | 0.28 |
|  | (0.23) | (0.23) | (0.23) | (0.23) | (0.23) |
| Control of Corruption | -0.07 | -0.10 | -0.09 | -0.10 | -0.05 |
|  | (0.21) | (0.21) | (0.21) | (0.22) | (0.21) |
| Rule of Law | 0.25 | 0.26 | 0.26 | 0.28 | 0.23 |
|  | (0.22) | (0.22) | (0.22) | (0.22) | (0.22) |
| Health Exp. per capita (ppp) | -0.06 | -0.06 | -0.05 | -0.05 | -0.05 |
|  | (0.13) | (0.13) | (0.13) | (0.13) | (0.13) |
| Years since Ratif. | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| % Female Smoke | -0.10 | -0.09 | -0.09 | -0.10 | -0.09 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| % Male Smoke | 0.00 | -0.00 | 0.00 | 0.00 | 0.01 |
|  | (0.10) | (0.10) | (0.09) | (0.10) | (0.10) |
| Year 2014 | -0.60 | -0.39 | -0.16 | -0.06 | -0.07 |
|  | (0.49) | (0.32) | (0.24) | (0.16) | (0.16) |
| Year 2016 | -0.80 \* | -0.19 | -0.24 | -0.28 | -0.28 |
|  | (0.48) | (0.19) | (0.19) | (0.18) | (0.18) |
| N | 480 | 480 | 480 | 480 | 480 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes Bloomberg FCTC count, Political Shifts, and a lagged number of items implemented. |  |  |  |  |  |

## Article 6

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 6 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 0.45 \*\* | 0.23 | 0.32 \*\* | 0.19 \*\* | 0.13 |
|  | (0.20) | (0.19) | (0.13) | (0.08) | (0.08) |
| Lagged Y (Number of Items) | 0.56 \*\*\* | 0.55 \*\*\* | 0.55 \*\*\* | 0.55 \*\*\* | 0.55 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | 0.92 \*\* | 0.86 \*\* | 0.94 \*\* | 0.82 \*\* | 0.77 \* |
|  | (0.41) | (0.41) | (0.41) | (0.41) | (0.41) |
| African | 0.13 | 0.05 | 0.19 | -0.02 | -0.05 |
|  | (0.43) | (0.43) | (0.43) | (0.43) | (0.43) |
| European | 0.54 | 0.81 \* | 0.87 \*\* | 0.70 | 0.67 |
|  | (0.45) | (0.44) | (0.44) | (0.44) | (0.44) |
| South-East Asia | -0.03 | 0.17 | 0.24 | 0.11 | 0.18 |
|  | (0.47) | (0.46) | (0.45) | (0.46) | (0.46) |
| Western Pacific | 0.89 \*\* | 0.97 \*\* | 0.96 \*\* | 0.91 \*\* | 0.94 \*\* |
|  | (0.43) | (0.43) | (0.43) | (0.43) | (0.43) |
| GDP per capita (ppp) | -0.02 | -0.01 | 0.01 | 0.02 | -0.01 |
|  | (0.13) | (0.13) | (0.13) | (0.13) | (0.13) |
| Tobacco Prod. per capita | -0.05 | -0.04 | -0.04 | -0.03 | -0.03 |
|  | (0.10) | (0.11) | (0.11) | (0.10) | (0.11) |
| Women’s rights | 0.11 | 0.12 | 0.11 | 0.12 | 0.12 |
|  | (0.09) | (0.10) | (0.10) | (0.09) | (0.10) |
| Women’s Labor | -0.07 | -0.06 | -0.06 | -0.05 | -0.03 |
|  | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) |
| Log Population | 0.30 \*\*\* | 0.32 \*\*\* | 0.32 \*\*\* | 0.27 \*\*\* | 0.29 \*\*\* |
|  | (0.09) | (0.09) | (0.09) | (0.10) | (0.10) |
| PolShift | -0.01 | -0.00 | -0.01 | -0.01 | -0.00 |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| Bloomberg FCTC # | -0.17 | -0.18 | -0.19 | -0.15 | -0.16 |
|  | (0.19) | (0.19) | (0.19) | (0.19) | (0.19) |
| Government Ownership | 0.03 | 0.14 | 0.16 | 0.05 | 0.10 |
|  | (0.26) | (0.26) | (0.26) | (0.26) | (0.26) |
| Control of Corruption | -0.23 | -0.22 | -0.24 | -0.15 | -0.16 |
|  | (0.24) | (0.24) | (0.24) | (0.24) | (0.24) |
| Rule of Law | 0.56 \*\* | 0.56 \*\* | 0.56 \*\* | 0.43 \* | 0.48 \* |
|  | (0.24) | (0.25) | (0.24) | (0.25) | (0.25) |
| Health Exp. per capita (ppp) | -0.16 | -0.11 | -0.12 | -0.13 | -0.12 |
|  | (0.14) | (0.14) | (0.14) | (0.14) | (0.14) |
| Years since Ratif. | -0.03 | -0.02 | -0.02 | -0.04 | -0.04 |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| % Female Smoke | -0.01 | 0.00 | 0.00 | 0.02 | 0.02 |
|  | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) |
| % Male Smoke | -0.08 | -0.07 | -0.06 | -0.07 | -0.06 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| Year 2014 | -0.59 | 0.50 | 0.57 \*\* | 0.10 | 0.11 |
|  | (0.36) | (0.36) | (0.25) | (0.18) | (0.18) |
| Year 2016 | -0.30 | 0.43 \*\* | 0.37 \* | 0.52 \*\*\* | 0.56 \*\*\* |
|  | (0.42) | (0.22) | (0.20) | (0.19) | (0.19) |
| N | 480 | 480 | 480 | 480 | 480 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes Bloomberg FCTC count, Political Shifts, and a lagged number of items implemented. |  |  |  |  |  |

## Article 8

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 8 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 1.30 \*\*\* | 0.26 | 0.15 | 0.14 | 0.05 |
|  | (0.37) | (0.23) | (0.16) | (0.09) | (0.09) |
| Lagged Y (Number of Items) | 0.49 \*\*\* | 0.48 \*\*\* | 0.48 \*\*\* | 0.48 \*\*\* | 0.49 \*\*\* |
|  | (0.05) | (0.05) | (0.05) | (0.05) | (0.05) |
| Americas | -0.48 | -0.79 \*\* | -0.78 \* | -0.83 \*\* | -0.81 \*\* |
|  | (0.41) | (0.40) | (0.40) | (0.40) | (0.40) |
| African | -0.96 \*\* | -1.14 \*\*\* | -1.13 \*\*\* | -1.20 \*\*\* | -1.20 \*\*\* |
|  | (0.42) | (0.42) | (0.42) | (0.42) | (0.42) |
| European | -0.92 \*\* | -0.77 \* | -0.77 \* | -0.87 \*\* | -0.81 \* |
|  | (0.42) | (0.43) | (0.43) | (0.43) | (0.43) |
| South-East Asia | -1.12 \*\*\* | -1.00 \*\* | -0.96 \*\* | -1.04 \*\* | -0.99 \*\* |
|  | (0.44) | (0.44) | (0.44) | (0.44) | (0.44) |
| Western Pacific | -0.56 | -0.45 | -0.46 | -0.49 | -0.44 |
|  | (0.42) | (0.42) | (0.42) | (0.42) | (0.42) |
| GDP per capita (ppp) | -0.14 | -0.11 | -0.11 | -0.10 | -0.11 |
|  | (0.13) | (0.13) | (0.13) | (0.13) | (0.13) |
| Tobacco Prod. per capita | 0.08 | 0.07 | 0.08 | 0.08 | 0.08 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| Women’s rights | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| Women’s Labor | 0.06 | 0.05 | 0.05 | 0.05 | 0.06 |
|  | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) |
| Log Population | 0.27 \*\*\* | 0.30 \*\*\* | 0.30 \*\*\* | 0.27 \*\*\* | 0.29 \*\*\* |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| PolShift | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| Bloomberg FCTC # | -0.09 | -0.09 | -0.09 | -0.07 | -0.09 |
|  | (0.18) | (0.18) | (0.18) | (0.18) | (0.18) |
| Government Ownership | -0.09 | -0.04 | -0.03 | -0.10 | -0.05 |
|  | (0.25) | (0.25) | (0.25) | (0.25) | (0.25) |
| Control of Corruption | -0.15 | -0.15 | -0.15 | -0.09 | -0.13 |
|  | (0.23) | (0.23) | (0.23) | (0.24) | (0.24) |
| Rule of Law | 0.44 \* | 0.42 \* | 0.42 \* | 0.34 | 0.39 |
|  | (0.24) | (0.24) | (0.24) | (0.24) | (0.25) |
| Health Exp. per capita (ppp) | -0.08 | -0.03 | -0.04 | -0.05 | -0.04 |
|  | (0.13) | (0.14) | (0.13) | (0.14) | (0.13) |
| Years since Ratif. | -0.00 | 0.01 | 0.01 | 0.00 | 0.00 |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| % Female Smoke | 0.02 | 0.03 | 0.04 | 0.05 | 0.03 |
|  | (0.12) | (0.13) | (0.13) | (0.13) | (0.13) |
| % Male Smoke | -0.05 | -0.04 | -0.05 | -0.04 | -0.04 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| Year 2014 | -3.13 \*\*\* | -0.29 | -0.37 | -0.58 \*\*\* | -0.53 \*\* |
|  | (0.79) | (0.27) | (0.24) | (0.21) | (0.22) |
| Year 2016 | -3.58 \*\*\* | -1.26 \*\*\* | -1.08 \*\*\* | -0.97 \*\*\* | -0.92 \*\*\* |
|  | (0.81) | (0.41) | (0.32) | (0.24) | (0.25) |
| N | 480 | 480 | 480 | 480 | 480 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes Bloomberg FCTC count, Political Shifts, and a lagged number of items implemented. |  |  |  |  |  |

## Article 11

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 11 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 2.62 \*\*\* | 0.39 | 0.08 | 0.17 | 0.31 |
|  | (0.60) | (0.49) | (0.33) | (0.20) | (0.20) |
| Lagged Y (Number of Items) | 0.66 \*\*\* | 0.68 \*\*\* | 0.68 \*\*\* | 0.68 \*\*\* | 0.68 \*\*\* |
|  | (0.04) | (0.05) | (0.05) | (0.05) | (0.05) |
| Americas | 0.46 | -0.33 | -0.32 | -0.36 | -0.48 |
|  | (0.95) | (0.95) | (0.95) | (0.95) | (0.95) |
| African | -1.11 | -1.82 \* | -1.85 \* | -1.88 \* | -2.00 \*\* |
|  | (1.01) | (1.01) | (1.02) | (1.01) | (1.01) |
| European | -0.58 | -0.14 | -0.16 | -0.24 | -0.42 |
|  | (1.00) | (1.01) | (1.02) | (1.02) | (1.03) |
| South-East Asia | -0.68 | -0.38 | -0.30 | -0.38 | -0.38 |
|  | (1.04) | (1.06) | (1.06) | (1.06) | (1.06) |
| Western Pacific | -0.10 | 0.03 | 0.10 | 0.05 | -0.05 |
|  | (1.00) | (1.02) | (1.01) | (1.02) | (1.02) |
| GDP per capita (ppp) | 0.26 | 0.35 | 0.36 | 0.38 | 0.35 |
|  | (0.31) | (0.32) | (0.31) | (0.31) | (0.31) |
| Tobacco Prod. per capita | -0.90 | -0.88 | -0.88 | -0.87 | -0.86 |
|  | (0.80) | (0.79) | (0.80) | (0.80) | (0.80) |
| Women’s rights | -0.01 | -0.04 | -0.03 | -0.03 | -0.04 |
|  | (0.22) | (0.22) | (0.22) | (0.22) | (0.22) |
| Women’s Labor | 0.02 | 0.01 | 0.01 | 0.01 | 0.07 |
|  | (0.29) | (0.29) | (0.29) | (0.29) | (0.30) |
| Log Population | 0.45 \* | 0.58 \*\* | 0.58 \*\* | 0.52 \*\* | 0.49 \* |
|  | (0.25) | (0.25) | (0.26) | (0.26) | (0.26) |
| PolShift | 0.01 | -0.02 | -0.02 | -0.02 | -0.02 |
|  | (0.22) | (0.22) | (0.22) | (0.23) | (0.23) |
| Bloomberg FCTC # | -0.75 \* | -0.82 \* | -0.83 \* | -0.80 \* | -0.81 \* |
|  | (0.43) | (0.44) | (0.44) | (0.44) | (0.44) |
| Government Ownership | 0.06 | 0.25 | 0.25 | 0.17 | 0.17 |
|  | (0.60) | (0.61) | (0.61) | (0.61) | (0.61) |
| Control of Corruption | -0.94 | -0.86 | -0.89 | -0.82 | -0.71 |
|  | (0.57) | (0.58) | (0.58) | (0.59) | (0.59) |
| Rule of Law | 0.75 | 0.62 | 0.63 | 0.52 | 0.44 |
|  | (0.58) | (0.59) | (0.59) | (0.60) | (0.60) |
| Health Exp. per capita (ppp) | -0.30 | -0.16 | -0.17 | -0.17 | -0.17 |
|  | (0.31) | (0.30) | (0.30) | (0.30) | (0.30) |
| Years since Ratif. | 0.04 | 0.04 | 0.04 | 0.03 | 0.01 |
|  | (0.10) | (0.10) | (0.10) | (0.10) | (0.10) |
| % Female Smoke | 0.07 | 0.08 | 0.09 | 0.10 | 0.11 |
|  | (0.28) | (0.29) | (0.29) | (0.29) | (0.29) |
| % Male Smoke | -0.24 | -0.22 | -0.23 | -0.22 | -0.20 |
|  | (0.26) | (0.26) | (0.26) | (0.26) | (0.26) |
| Year 2014 | -1.27 | 2.25 \*\*\* | 1.83 \*\*\* | 1.70 \*\*\* | 1.70 \*\*\* |
|  | (0.80) | (0.77) | (0.58) | (0.42) | (0.42) |
| Year 2016 | -5.32 \*\*\* | 0.16 | 0.47 | 0.43 | 0.38 |
|  | (1.43) | (0.68) | (0.56) | (0.50) | (0.50) |
| N | 480 | 480 | 480 | 480 | 480 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes Bloomberg FCTC count, Political Shifts, and a lagged number of items implemented. |  |  |  |  |  |

## Article 13

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 13 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 0.97 \*\* | -0.05 | -0.08 | 0.02 | 0.32 |
|  | (0.45) | (0.47) | (0.31) | (0.21) | (0.21) |
| Lagged Y (Number of Items) | 0.56 \*\*\* | 0.55 \*\*\* | 0.55 \*\*\* | 0.55 \*\*\* | 0.55 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | -2.57 \*\* | -3.50 \*\*\* | -3.53 \*\*\* | -3.50 \*\*\* | -3.67 \*\*\* |
|  | (1.10) | (1.03) | (1.03) | (1.03) | (1.03) |
| African | -2.39 \*\* | -2.87 \*\*\* | -2.91 \*\*\* | -2.86 \*\*\* | -3.01 \*\*\* |
|  | (1.08) | (1.07) | (1.08) | (1.07) | (1.07) |
| European | -2.13 \*\* | -2.01 \* | -2.03 \* | -2.01 \* | -2.27 \*\* |
|  | (1.07) | (1.07) | (1.08) | (1.07) | (1.08) |
| South-East Asia | -2.18 \*\* | -2.04 \* | -2.07 \* | -2.06 \* | -2.12 \* |
|  | (1.11) | (1.11) | (1.12) | (1.12) | (1.11) |
| Western Pacific | -0.60 | -0.73 | -0.76 | -0.75 | -0.94 |
|  | (1.08) | (1.08) | (1.08) | (1.08) | (1.09) |
| GDP per capita (ppp) | -0.15 | -0.09 | -0.10 | -0.10 | -0.10 |
|  | (0.33) | (0.34) | (0.34) | (0.34) | (0.34) |
| Tobacco Prod. per capita | -0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
|  | (0.43) | (0.43) | (0.43) | (0.43) | (0.43) |
| Women’s rights | 0.22 | 0.22 | 0.22 | 0.22 | 0.21 |
|  | (0.24) | (0.24) | (0.24) | (0.24) | (0.24) |
| Women’s Labor | 0.30 | 0.31 | 0.31 | 0.31 | 0.38 |
|  | (0.31) | (0.31) | (0.31) | (0.31) | (0.31) |
| Log Population | 0.66 \*\* | 0.75 \*\*\* | 0.75 \*\*\* | 0.74 \*\*\* | 0.67 \*\*\* |
|  | (0.26) | (0.26) | (0.26) | (0.27) | (0.26) |
| PolShift | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 |
|  | (0.24) | (0.24) | (0.24) | (0.24) | (0.24) |
| Bloomberg FCTC # | -0.65 | -0.68 | -0.69 | -0.68 | -0.65 |
|  | (0.46) | (0.46) | (0.46) | (0.46) | (0.46) |
| Government Ownership | -0.24 | -0.07 | -0.07 | -0.08 | -0.16 |
|  | (0.65) | (0.65) | (0.65) | (0.65) | (0.65) |
| Control of Corruption | -0.04 | -0.04 | -0.04 | -0.02 | 0.15 |
|  | (0.61) | (0.61) | (0.61) | (0.62) | (0.62) |
| Rule of Law | -0.28 | -0.27 | -0.26 | -0.30 | -0.47 |
|  | (0.61) | (0.61) | (0.62) | (0.64) | (0.63) |
| Health Exp. per capita (ppp) | 0.03 | 0.09 | 0.09 | 0.09 | 0.10 |
|  | (0.34) | (0.35) | (0.35) | (0.35) | (0.35) |
| Years since Ratif. | 0.08 | 0.09 | 0.09 | 0.09 | 0.06 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| % Female Smoke | 0.22 | 0.27 | 0.27 | 0.27 | 0.29 |
|  | (0.31) | (0.32) | (0.31) | (0.31) | (0.32) |
| % Male Smoke | -0.33 | -0.34 | -0.34 | -0.34 | -0.31 |
|  | (0.30) | (0.30) | (0.30) | (0.30) | (0.30) |
| Year 2014 | -1.52 \* | -0.11 | -0.14 | -0.02 | -0.10 |
|  | (0.83) | (0.92) | (0.62) | (0.44) | (0.44) |
| Year 2016 | -2.60 \*\*\* | -0.88 \* | -0.86 \* | -0.90 \* | -0.90 \* |
|  | (0.92) | (0.50) | (0.49) | (0.46) | (0.46) |
| N | 480 | 480 | 480 | 480 | 480 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes Bloomberg FCTC count, Political Shifts, and a lagged number of items implemented. |  |  |  |  |  |

## Article 14

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 14 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 0.68 | -0.03 | 0.99 | 0.05 | 0.51 |
|  | (1.06) | (0.92) | (0.63) | (0.42) | (0.39) |
| Lagged Y (Number of Items) | 0.69 \*\*\* | 0.69 \*\*\* | 0.70 \*\*\* | 0.69 \*\*\* | 0.69 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | 1.50 | 1.39 | 1.74 | 1.38 | 1.14 |
|  | (1.99) | (1.99) | (1.99) | (1.99) | (1.99) |
| African | -1.40 | -1.64 | -1.00 | -1.65 | -1.82 |
|  | (2.11) | (2.09) | (2.11) | (2.09) | (2.09) |
| European | 1.10 | 1.41 | 1.70 | 1.39 | 1.01 |
|  | (2.16) | (2.11) | (2.11) | (2.12) | (2.13) |
| South-East Asia | -0.49 | -0.35 | -0.34 | -0.39 | -0.44 |
|  | (2.24) | (2.25) | (2.21) | (2.24) | (2.22) |
| Western Pacific | 0.72 | 0.83 | 0.52 | 0.79 | 0.56 |
|  | (2.11) | (2.13) | (2.11) | (2.12) | (2.11) |
| GDP per capita (ppp) | 1.04 | 1.10 \* | 1.11 \* | 1.11 \* | 1.08 \* |
|  | (0.65) | (0.65) | (0.65) | (0.65) | (0.65) |
| Tobacco Prod. per capita | 0.24 | 0.25 | 0.26 | 0.25 | 0.27 |
|  | (0.60) | (0.60) | (0.59) | (0.60) | (0.59) |
| Women’s rights | 0.34 | 0.36 | 0.29 | 0.36 | 0.34 |
|  | (0.46) | (0.46) | (0.46) | (0.46) | (0.46) |
| Women’s Labor | -0.25 | -0.26 | -0.22 | -0.25 | -0.16 |
|  | (0.61) | (0.61) | (0.61) | (0.61) | (0.61) |
| Log Population | 0.64 | 0.67 | 0.65 | 0.65 | 0.56 |
|  | (0.47) | (0.46) | (0.46) | (0.48) | (0.46) |
| PolShift | -0.26 | -0.26 | -0.28 | -0.26 | -0.26 |
|  | (0.44) | (0.44) | (0.44) | (0.44) | (0.45) |
| Bloomberg FCTC # | -0.38 | -0.39 | -0.42 | -0.38 | -0.36 |
|  | (0.91) | (0.91) | (0.90) | (0.91) | (0.90) |
| Government Ownership | 1.08 | 1.19 | 1.27 | 1.17 | 1.03 |
|  | (1.27) | (1.26) | (1.26) | (1.27) | (1.27) |
| Control of Corruption | 0.00 | -0.02 | -0.02 | -0.00 | 0.29 |
|  | (1.17) | (1.17) | (1.16) | (1.18) | (1.19) |
| Rule of Law | 1.53 | 1.54 | 1.55 | 1.50 | 1.23 |
|  | (1.20) | (1.20) | (1.19) | (1.24) | (1.22) |
| Health Exp. per capita (ppp) | -0.54 | -0.46 | -0.46 | -0.46 | -0.43 |
|  | (0.67) | (0.66) | (0.65) | (0.66) | (0.65) |
| Years since Ratif. | -0.21 | -0.20 | -0.20 | -0.21 | -0.26 |
|  | (0.20) | (0.20) | (0.20) | (0.21) | (0.21) |
| % Female Smoke | -0.06 | 0.00 | -0.06 | -0.00 | 0.02 |
|  | (0.60) | (0.59) | (0.58) | (0.59) | (0.59) |
| % Male Smoke | 0.25 | 0.26 | 0.31 | 0.26 | 0.31 |
|  | (0.52) | (0.53) | (0.52) | (0.53) | (0.52) |
| Year 2014 | -2.46 | -1.37 | -0.12 | -1.34 | -1.50 \* |
|  | (1.96) | (1.54) | (1.15) | (0.87) | (0.87) |
| Year 2016 | -4.02 \* | -2.74 \*\* | -3.45 \*\*\* | -2.77 \*\*\* | -2.79 \*\*\* |
|  | (2.17) | (1.20) | (1.01) | (0.92) | (0.92) |
| N | 480 | 480 | 480 | 480 | 480 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes Bloomberg FCTC count, Political Shifts, and a lagged number of items implemented. |  |  |  |  |  |

# Final model

## Article 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 5 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 0.09 | -0.13 | -0.05 | -0.10 | 0.03 |
|  | (0.20) | (0.15) | (0.11) | (0.06) | (0.06) |
| Lagged Y (Number of Items) | 0.34 \*\*\* | 0.34 \*\*\* | 0.34 \*\*\* | 0.33 \*\*\* | 0.34 \*\*\* |
|  | (0.03) | (0.03) | (0.03) | (0.03) | (0.03) |
| Americas | -0.42 | -0.47 | -0.48 | -0.47 | -0.48 |
|  | (0.32) | (0.31) | (0.31) | (0.31) | (0.31) |
| African | -0.04 | -0.09 | -0.09 | -0.06 | -0.08 |
|  | (0.33) | (0.33) | (0.33) | (0.33) | (0.33) |
| European | -0.22 | -0.22 | -0.22 | -0.17 | -0.23 |
|  | (0.33) | (0.33) | (0.33) | (0.33) | (0.33) |
| South-East Asia | 0.15 | 0.21 | 0.18 | 0.22 | 0.18 |
|  | (0.36) | (0.35) | (0.35) | (0.35) | (0.35) |
| Western Pacific | -0.03 | 0.01 | -0.01 | 0.02 | -0.04 |
|  | (0.32) | (0.32) | (0.32) | (0.32) | (0.32) |
| GDP per capita (ppp) | -0.08 | -0.07 | -0.07 | -0.08 | -0.08 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| Tobacco Prod. per capita | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| Women’s rights | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
|  | (0.07) | (0.07) | (0.07) | (0.07) | (0.07) |
| Women’s Labor | -0.09 | -0.09 | -0.09 | -0.10 | -0.08 |
|  | (0.10) | (0.10) | (0.10) | (0.10) | (0.10) |
| Log Population | 0.02 | 0.03 | 0.03 | 0.05 | 0.02 |
|  | (0.07) | (0.07) | (0.07) | (0.07) | (0.07) |
| Government Ownership | 0.17 | 0.18 | 0.18 | 0.23 | 0.17 |
|  | (0.20) | (0.20) | (0.20) | (0.20) | (0.20) |
| Control of Corruption | -0.12 | -0.14 | -0.13 | -0.19 | -0.10 |
|  | (0.19) | (0.19) | (0.19) | (0.19) | (0.19) |
| Rule of Law | 0.16 | 0.17 | 0.17 | 0.26 | 0.15 |
|  | (0.19) | (0.19) | (0.19) | (0.20) | (0.19) |
| Health Exp. per capita (ppp) | -0.00 | -0.00 | 0.00 | 0.00 | 0.00 |
|  | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) |
| Years since Ratif. | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 |
|  | (0.03) | (0.03) | (0.03) | (0.03) | (0.04) |
| % Female Smoke | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| % Male Smoke | 0.09 | 0.08 | 0.09 | 0.08 | 0.09 |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| Year 2014 | -0.43 | -0.47 \* | -0.31 | -0.21 | -0.25 \* |
|  | (0.42) | (0.28) | (0.21) | (0.14) | (0.14) |
| Year 2016 | -0.64 | -0.39 \*\* | -0.43 \*\*\* | -0.43 \*\*\* | -0.45 \*\*\* |
|  | (0.41) | (0.17) | (0.16) | (0.15) | (0.15) |
| N | 459 | 459 | 459 | 459 | 459 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes the lagged number of items reported. Also, it only includes members that provided a reported on 2012. |  |  |  |  |  |

## Article 6

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 6 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 0.37 \*\* | 0.29 | 0.37 \*\*\* | 0.12 | 0.13 \* |
|  | (0.19) | (0.18) | (0.13) | (0.08) | (0.08) |
| Lagged Y (Number of Items) | 0.50 \*\*\* | 0.49 \*\*\* | 0.49 \*\*\* | 0.49 \*\*\* | 0.50 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | 1.07 \*\*\* | 1.03 \*\*\* | 1.12 \*\*\* | 0.99 \*\* | 0.94 \*\* |
|  | (0.39) | (0.39) | (0.39) | (0.39) | (0.39) |
| African | 0.31 | 0.28 | 0.44 | 0.20 | 0.16 |
|  | (0.41) | (0.41) | (0.41) | (0.41) | (0.41) |
| European | 0.79 \* | 1.03 \*\* | 1.08 \*\*\* | 0.94 \*\* | 0.89 \*\* |
|  | (0.42) | (0.41) | (0.41) | (0.41) | (0.42) |
| South-East Asia | 0.59 | 0.76 \* | 0.85 \* | 0.74 \* | 0.77 \* |
|  | (0.46) | (0.45) | (0.44) | (0.45) | (0.45) |
| Western Pacific | 1.30 \*\*\* | 1.35 \*\*\* | 1.34 \*\*\* | 1.34 \*\*\* | 1.34 \*\*\* |
|  | (0.41) | (0.40) | (0.40) | (0.41) | (0.41) |
| GDP per capita (ppp) | -0.02 | -0.01 | 0.01 | 0.02 | -0.00 |
|  | (0.12) | (0.13) | (0.12) | (0.12) | (0.12) |
| Tobacco Prod. per capita | -0.07 | -0.07 | -0.07 | -0.06 | -0.06 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| Women’s rights | 0.15 | 0.15 \* | 0.14 | 0.15 \* | 0.15 \* |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| Women’s Labor | -0.13 | -0.13 | -0.12 | -0.12 | -0.09 |
|  | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) |
| Log Population | 0.26 \*\*\* | 0.28 \*\*\* | 0.28 \*\*\* | 0.25 \*\*\* | 0.25 \*\*\* |
|  | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) |
| Government Ownership | -0.06 | 0.04 | 0.05 | -0.02 | -0.01 |
|  | (0.25) | (0.24) | (0.24) | (0.25) | (0.25) |
| Control of Corruption | -0.28 | -0.26 | -0.27 | -0.22 | -0.21 |
|  | (0.23) | (0.23) | (0.23) | (0.23) | (0.23) |
| Rule of Law | 0.53 \*\* | 0.52 \*\* | 0.51 \*\* | 0.44 \* | 0.44 \* |
|  | (0.23) | (0.24) | (0.23) | (0.24) | (0.24) |
| Health Exp. per capita (ppp) | -0.13 | -0.08 | -0.09 | -0.10 | -0.09 |
|  | (0.13) | (0.13) | (0.13) | (0.13) | (0.13) |
| Years since Ratif. | -0.09 \*\* | -0.08 \* | -0.07 \* | -0.09 \*\* | -0.10 \*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| % Female Smoke | 0.08 | 0.09 | 0.09 | 0.10 | 0.10 |
|  | (0.11) | (0.11) | (0.12) | (0.12) | (0.12) |
| % Male Smoke | -0.06 | -0.04 | -0.02 | -0.05 | -0.04 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| Year 2014 | -0.67 \* | 0.39 | 0.44 \* | -0.09 | -0.09 |
|  | (0.34) | (0.34) | (0.24) | (0.17) | (0.17) |
| Year 2016 | -0.33 | 0.21 | 0.17 | 0.34 \* | 0.37 \*\* |
|  | (0.40) | (0.20) | (0.19) | (0.18) | (0.18) |
| N | 459 | 459 | 459 | 459 | 459 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes the lagged number of items reported. Also, it only includes members that provided a reported on 2012. |  |  |  |  |  |

## Article 8

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 8 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 1.34 \*\*\* | 0.31 | 0.14 | 0.11 | 0.08 |
|  | (0.32) | (0.20) | (0.14) | (0.08) | (0.08) |
| Lagged Y (Number of Items) | 0.41 \*\*\* | 0.41 \*\*\* | 0.41 \*\*\* | 0.41 \*\*\* | 0.41 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | -0.34 | -0.66 \* | -0.65 \* | -0.69 \*\* | -0.70 \*\* |
|  | (0.35) | (0.35) | (0.35) | (0.35) | (0.35) |
| African | -0.74 \*\* | -0.91 \*\* | -0.92 \*\* | -0.98 \*\*\* | -1.00 \*\*\* |
|  | (0.36) | (0.37) | (0.37) | (0.37) | (0.37) |
| European | -0.80 \*\* | -0.64 \* | -0.64 \* | -0.72 \* | -0.70 \* |
|  | (0.36) | (0.37) | (0.37) | (0.37) | (0.37) |
| South-East Asia | -0.48 | -0.34 | -0.30 | -0.37 | -0.34 |
|  | (0.39) | (0.40) | (0.40) | (0.40) | (0.40) |
| Western Pacific | -0.10 | 0.02 | 0.01 | -0.01 | 0.01 |
|  | (0.35) | (0.36) | (0.36) | (0.36) | (0.36) |
| GDP per capita (ppp) | -0.15 | -0.11 | -0.11 | -0.10 | -0.11 |
|  | (0.11) | (0.11) | (0.11) | (0.12) | (0.11) |
| Tobacco Prod. per capita | 0.06 | 0.05 | 0.05 | 0.06 | 0.06 |
|  | (0.10) | (0.10) | (0.10) | (0.10) | (0.10) |
| Women’s rights | 0.06 | 0.05 | 0.06 | 0.06 | 0.06 |
|  | (0.08) | (0.08) | (0.08) | (0.08) | (0.08) |
| Women’s Labor | -0.03 | -0.04 | -0.04 | -0.04 | -0.02 |
|  | (0.10) | (0.11) | (0.11) | (0.11) | (0.11) |
| Log Population | 0.21 \*\*\* | 0.23 \*\*\* | 0.24 \*\*\* | 0.22 \*\*\* | 0.22 \*\*\* |
|  | (0.08) | (0.08) | (0.08) | (0.08) | (0.08) |
| Government Ownership | -0.31 | -0.25 | -0.24 | -0.30 | -0.26 |
|  | (0.21) | (0.22) | (0.22) | (0.22) | (0.22) |
| Control of Corruption | -0.23 | -0.23 | -0.23 | -0.18 | -0.19 |
|  | (0.20) | (0.21) | (0.21) | (0.21) | (0.21) |
| Rule of Law | 0.37 \* | 0.35 | 0.34 | 0.27 | 0.30 |
|  | (0.21) | (0.21) | (0.21) | (0.22) | (0.22) |
| Health Exp. per capita (ppp) | -0.04 | 0.02 | 0.01 | -0.00 | 0.00 |
|  | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) |
| Years since Ratif. | -0.07 \* | -0.06 \* | -0.06 | -0.07 \* | -0.07 \* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| % Female Smoke | 0.14 | 0.15 | 0.16 | 0.17 | 0.15 |
|  | (0.10) | (0.11) | (0.11) | (0.11) | (0.11) |
| % Male Smoke | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 |
|  | (0.10) | (0.11) | (0.11) | (0.11) | (0.11) |
| Year 2014 | -3.40 \*\*\* | -0.43 \* | -0.56 \*\*\* | -0.75 \*\*\* | -0.75 \*\*\* |
|  | (0.68) | (0.23) | (0.21) | (0.19) | (0.20) |
| Year 2016 | -3.83 \*\*\* | -1.50 \*\*\* | -1.22 \*\*\* | -1.13 \*\*\* | -1.12 \*\*\* |
|  | (0.70) | (0.36) | (0.28) | (0.21) | (0.22) |
| N | 459 | 459 | 459 | 459 | 459 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes the lagged number of items reported. Also, it only includes members that provided a reported on 2012. |  |  |  |  |  |

## Article 11

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 11 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 2.61 \*\*\* | 0.57 | 0.10 | 0.08 | 0.33 \* |
|  | (0.57) | (0.47) | (0.32) | (0.19) | (0.19) |
| Lagged Y (Number of Items) | 0.61 \*\*\* | 0.63 \*\*\* | 0.63 \*\*\* | 0.63 \*\*\* | 0.63 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | 0.71 | -0.09 | -0.08 | -0.11 | -0.26 |
|  | (0.90) | (0.90) | (0.90) | (0.90) | (0.90) |
| African | -0.67 | -1.33 | -1.37 | -1.43 | -1.55 |
|  | (0.95) | (0.96) | (0.97) | (0.96) | (0.96) |
| European | -0.31 | 0.17 | 0.15 | 0.10 | -0.14 |
|  | (0.96) | (0.98) | (0.98) | (0.98) | (0.99) |
| South-East Asia | 0.52 | 0.80 | 0.91 | 0.86 | 0.80 |
|  | (1.03) | (1.05) | (1.05) | (1.05) | (1.05) |
| Western Pacific | 0.43 | 0.51 | 0.62 | 0.61 | 0.47 |
|  | (0.94) | (0.96) | (0.96) | (0.96) | (0.96) |
| GDP per capita (ppp) | 0.31 | 0.42 | 0.43 | 0.44 | 0.42 |
|  | (0.30) | (0.30) | (0.30) | (0.30) | (0.29) |
| Tobacco Prod. per capita | -1.05 | -1.03 | -1.03 | -1.03 | -1.01 |
|  | (0.86) | (0.83) | (0.85) | (0.85) | (0.85) |
| Women’s rights | 0.04 | 0.01 | 0.03 | 0.03 | 0.01 |
|  | (0.21) | (0.21) | (0.21) | (0.21) | (0.21) |
| Women’s Labor | -0.10 | -0.11 | -0.12 | -0.12 | -0.05 |
|  | (0.27) | (0.28) | (0.28) | (0.28) | (0.28) |
| Log Population | 0.26 | 0.37 | 0.37 | 0.35 | 0.29 |
|  | (0.24) | (0.24) | (0.24) | (0.24) | (0.24) |
| Government Ownership | -0.18 | 0.02 | 0.02 | -0.02 | -0.08 |
|  | (0.56) | (0.57) | (0.57) | (0.58) | (0.58) |
| Control of Corruption | -1.02 \* | -0.91 | -0.96 \* | -0.93 | -0.77 |
|  | (0.56) | (0.57) | (0.57) | (0.57) | (0.58) |
| Rule of Law | 0.57 | 0.39 | 0.41 | 0.36 | 0.22 |
|  | (0.57) | (0.57) | (0.57) | (0.59) | (0.58) |
| Health Exp. per capita (ppp) | -0.21 | -0.06 | -0.08 | -0.09 | -0.08 |
|  | (0.29) | (0.29) | (0.29) | (0.29) | (0.29) |
| Years since Ratif. | -0.07 | -0.07 | -0.07 | -0.07 | -0.11 |
|  | (0.10) | (0.10) | (0.10) | (0.10) | (0.10) |
| % Female Smoke | 0.25 | 0.24 | 0.26 | 0.26 | 0.26 |
|  | (0.28) | (0.29) | (0.29) | (0.29) | (0.29) |
| % Male Smoke | -0.18 | -0.15 | -0.17 | -0.17 | -0.15 |
|  | (0.27) | (0.27) | (0.28) | (0.28) | (0.28) |
| Year 2014 | -1.63 \*\* | 2.11 \*\*\* | 1.48 \*\*\* | 1.34 \*\*\* | 1.32 \*\*\* |
|  | (0.76) | (0.73) | (0.57) | (0.41) | (0.41) |
| Year 2016 | -5.53 \*\*\* | -0.26 | 0.20 | 0.23 | 0.11 |
|  | (1.35) | (0.65) | (0.54) | (0.48) | (0.48) |
| N | 459 | 459 | 459 | 459 | 459 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes the lagged number of items reported. Also, it only includes members that provided a reported on 2012. |  |  |  |  |  |

## Article 13

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 13 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 0.77 \* | -0.03 | -0.18 | -0.05 | 0.33 \* |
|  | (0.43) | (0.44) | (0.30) | (0.20) | (0.20) |
| Lagged Y (Number of Items) | 0.51 \*\*\* | 0.50 \*\*\* | 0.50 \*\*\* | 0.50 \*\*\* | 0.50 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | -2.59 \*\* | -3.34 \*\*\* | -3.40 \*\*\* | -3.33 \*\*\* | -3.52 \*\*\* |
|  | (1.04) | (0.98) | (0.98) | (0.97) | (0.97) |
| African | -2.04 \*\* | -2.41 \*\* | -2.50 \*\* | -2.39 \*\* | -2.56 \*\* |
|  | (1.03) | (1.03) | (1.03) | (1.02) | (1.02) |
| European | -1.91 \* | -1.79 \* | -1.84 \* | -1.77 \* | -2.07 \*\* |
|  | (1.01) | (1.01) | (1.01) | (1.01) | (1.02) |
| South-East Asia | -0.99 | -0.87 | -0.93 | -0.85 | -0.95 |
|  | (1.09) | (1.09) | (1.09) | (1.09) | (1.09) |
| Western Pacific | -0.11 | -0.21 | -0.25 | -0.19 | -0.41 |
|  | (1.00) | (1.00) | (1.00) | (1.00) | (1.01) |
| GDP per capita (ppp) | -0.07 | -0.03 | -0.03 | -0.03 | -0.04 |
|  | (0.32) | (0.32) | (0.32) | (0.32) | (0.32) |
| Tobacco Prod. per capita | -0.07 | -0.06 | -0.07 | -0.07 | -0.05 |
|  | (0.41) | (0.41) | (0.41) | (0.41) | (0.41) |
| Women’s rights | 0.28 | 0.28 | 0.29 | 0.28 | 0.27 |
|  | (0.22) | (0.23) | (0.23) | (0.23) | (0.22) |
| Women’s Labor | 0.20 | 0.20 | 0.20 | 0.20 | 0.28 |
|  | (0.29) | (0.30) | (0.30) | (0.30) | (0.30) |
| Log Population | 0.51 \*\* | 0.59 \*\* | 0.59 \*\* | 0.60 \*\* | 0.50 \*\* |
|  | (0.24) | (0.24) | (0.24) | (0.24) | (0.24) |
| Government Ownership | -0.43 | -0.30 | -0.28 | -0.28 | -0.39 |
|  | (0.61) | (0.60) | (0.60) | (0.61) | (0.61) |
| Control of Corruption | -0.08 | -0.08 | -0.10 | -0.11 | 0.10 |
|  | (0.58) | (0.58) | (0.58) | (0.59) | (0.59) |
| Rule of Law | -0.53 | -0.54 | -0.51 | -0.50 | -0.73 |
|  | (0.59) | (0.59) | (0.59) | (0.61) | (0.60) |
| Health Exp. per capita (ppp) | 0.13 | 0.17 | 0.17 | 0.18 | 0.18 |
|  | (0.34) | (0.34) | (0.34) | (0.34) | (0.34) |
| Years since Ratif. | -0.02 | -0.01 | -0.01 | -0.01 | -0.05 |
|  | (0.11) | (0.11) | (0.11) | (0.11) | (0.11) |
| % Female Smoke | 0.46 | 0.51 \* | 0.51 \* | 0.51 \* | 0.52 \* |
|  | (0.29) | (0.29) | (0.29) | (0.29) | (0.29) |
| % Male Smoke | -0.28 | -0.29 | -0.29 | -0.29 | -0.26 |
|  | (0.30) | (0.31) | (0.31) | (0.31) | (0.31) |
| Year 2014 | -1.68 \*\* | -0.53 | -0.75 | -0.47 | -0.58 |
|  | (0.78) | (0.87) | (0.60) | (0.42) | (0.42) |
| Year 2016 | -2.69 \*\*\* | -1.32 \*\*\* | -1.25 \*\*\* | -1.32 \*\*\* | -1.35 \*\*\* |
|  | (0.87) | (0.47) | (0.46) | (0.44) | (0.44) |
| N | 459 | 459 | 459 | 459 | 459 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes the lagged number of items reported. Also, it only includes members that provided a reported on 2012. |  |  |  |  |  |

## Article 14

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Article 14 | Centroid Distance | General Trade | Tobacco Trade | GLOBALink Referrals | GLOBALink co-subscription |
| Lagged Exposure (rho) | 0.34 | -0.17 | 1.01 \* | -0.19 | 0.48 |
|  | (1.02) | (0.88) | (0.61) | (0.40) | (0.38) |
| Lagged Y (Number of Items) | 0.66 \*\*\* | 0.66 \*\*\* | 0.66 \*\*\* | 0.66 \*\*\* | 0.66 \*\*\* |
|  | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Americas | 2.31 | 2.26 | 2.61 | 2.28 | 2.01 |
|  | (1.89) | (1.89) | (1.89) | (1.89) | (1.89) |
| African | -0.33 | -0.47 | 0.23 | -0.39 | -0.63 |
|  | (2.01) | (1.98) | (2.01) | (1.98) | (1.98) |
| European | 2.27 | 2.44 | 2.69 | 2.50 | 2.04 |
|  | (2.07) | (2.02) | (2.01) | (2.02) | (2.04) |
| South-East Asia | 2.41 | 2.54 | 2.54 | 2.60 | 2.40 |
|  | (2.19) | (2.21) | (2.17) | (2.20) | (2.18) |
| Western Pacific | 2.73 | 2.84 | 2.48 | 2.91 | 2.54 |
|  | (1.97) | (1.99) | (1.97) | (1.99) | (1.97) |
| GDP per capita (ppp) | 1.18 \* | 1.22 \*\* | 1.23 \*\* | 1.19 \* | 1.19 \* |
|  | (0.62) | (0.62) | (0.61) | (0.62) | (0.61) |
| Tobacco Prod. per capita | 0.17 | 0.17 | 0.17 | 0.17 | 0.20 |
|  | (0.58) | (0.58) | (0.56) | (0.58) | (0.57) |
| Women’s rights | 0.49 | 0.51 | 0.44 | 0.50 | 0.48 |
|  | (0.44) | (0.44) | (0.44) | (0.44) | (0.44) |
| Women’s Labor | -0.64 | -0.66 | -0.62 | -0.67 | -0.55 |
|  | (0.58) | (0.58) | (0.57) | (0.58) | (0.58) |
| Log Population | 0.39 | 0.40 | 0.38 | 0.45 | 0.31 |
|  | (0.43) | (0.42) | (0.42) | (0.44) | (0.43) |
| Government Ownership | 0.49 | 0.55 | 0.60 | 0.63 | 0.38 |
|  | (1.21) | (1.20) | (1.19) | (1.21) | (1.20) |
| Control of Corruption | -0.16 | -0.18 | -0.16 | -0.25 | 0.11 |
|  | (1.12) | (1.12) | (1.11) | (1.14) | (1.14) |
| Rule of Law | 1.19 | 1.20 | 1.18 | 1.33 | 0.92 |
|  | (1.15) | (1.15) | (1.15) | (1.19) | (1.17) |
| Health Exp. per capita (ppp) | -0.36 | -0.33 | -0.32 | -0.31 | -0.29 |
|  | (0.65) | (0.63) | (0.62) | (0.63) | (0.63) |
| Years since Ratif. | -0.51 \*\* | -0.50 \*\* | -0.49 \*\* | -0.49 \*\* | -0.56 \*\*\* |
|  | (0.20) | (0.20) | (0.20) | (0.20) | (0.21) |
| % Female Smoke | 0.27 | 0.31 | 0.24 | 0.32 | 0.32 |
|  | (0.56) | (0.56) | (0.55) | (0.56) | (0.56) |
| % Male Smoke | 0.48 | 0.48 | 0.56 | 0.48 | 0.53 |
|  | (0.55) | (0.55) | (0.55) | (0.55) | (0.54) |
| Year 2014 | -2.93 | -2.61 \* | -1.12 | -2.32 \*\*\* | -2.54 \*\*\* |
|  | (1.87) | (1.49) | (1.13) | (0.84) | (0.84) |
| Year 2016 | -4.42 \*\* | -3.66 \*\*\* | -4.49 \*\*\* | -3.76 \*\*\* | -3.83 \*\*\* |
|  | (2.07) | (1.14) | (0.97) | (0.88) | (0.88) |
| N | 459 | 459 | 459 | 459 | 459 |
| Standard Errors in parenthesis. Signif. codes: 0.01: ‘***’ 0.05: ’****’ 0.10 ’*’ |  |  |  |  |  |
| Note: This specification includes the lagged number of items reported. Also, it only includes members that provided a reported on 2012. |  |  |  |  |  |