Web appendix A1: Summary Statistics & List of Countries Included in the Analysis

Variable Obs Mean Std. Dev. Min Max

Lnprevper 2041 -1.074271 1.496121 -2.302585 3.277145

Lndeaths 1946 -4.931341 2.038899 -9.929546 .1125137

Lnoilrents/pc 2041 2.220093 2.505774 0 9.926486

Lnincome/pc 2041 8.709253 1.21334 5.22197 11.2122

Democracy 2041 .6364527 .4811383 0 1

Peaceyrs 2041 22.75404 21.00668 0 62

Civil War 2041 .167075 .3731342 0 1

Aids in Neighbors 2041 1.571269 3.356849 0 20.7

Control of corruption 1653 3.178867 1.389616 0 6

Law & Order 1690 3.941001 1.45562 0 6

List of countries:

The Americas : United States, Canada, Haiti, Dominican Republic, Jamaica, Trinidad and Tobago, Belize, Mexico, Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica, Panama, Colombia, Ecuador, Guyana, Surinam, Peru, Bolivia, Paraguay, Chile, Argentina, Uruguay.(24)

Europe: United Kingdom, Ireland, Netherlands, Belgium, Luxemburg, France, Switzerland, Spain, Portugal, Poland, Austria, Hungary, Czech Rep., Slovak Republic, Italy, Malta, Croatia, Slovenia, Greece, Bulgaria, Moldova, Romania, Russia, Latvia, Estonia, Lithuania, Ukraine, Belarus, Armenia, Georgia, Finland, Sweden, Norway, Denmark, Iceland.(35)

Africa: Guinea Bissau, Equatorial Guinea, Gambia, Mali, Senegal, Benin, Niger, Cote DIvoire, Burkina Faso, Liberia, Sierra Leone, Ghana, Togo, Cameroon, Nigeria, Gabon, Central African Rep., Chad, Rep of Congo, Uganda, Kenya, Rwanda, Djibouti, Eritrea, Tanzania, Angola, Mozambique, Zambia, Zimbabwe, Malawi, South Africa, Lesotho, Namibia, Botswana, Swaziland, Sudan, Madagascar, Comoros, Mauritius.(39)

Middle East & Central Asia: Morocco, Algeria, Tunisia, Iran, Turkey, Egypt, Lebanon, Israel, Qatar, Oman, Tajikistan, Kyrgyz Republic, Azerbaijan, Uzbekistan, Kazakhstan. (16)

East Asia: Mongolia, South Korea, Japan (3)

South Asia: India, Bhutan, Pakistan, Bangladesh, Sri Lanka, Nepal, Maldives.(7)

South East Asia: Thailand, Cambodia, Vietnam, Laos, Malaysia, Singapore, Philippines, Indonesia (7)

Oceania: Australia, Papua New Guinea, New Zealand, Fiji (4)

Total countries = 137

List of oil & gas dependent countries (oil rents > 33% of total export revenue):

Trinidad & Tobago, Belize, Mexico, Colombia, Ecuador, Bolivia, Russia, Belarus, Azerbaijan, Norway, Ivory Coast, Cameroon, Nigeria, Gabon, Congo, Kenya, Angola, Algeria, Sudan, Iran, Egypt, Qatar, Oman, Kazakhstan, Bhutan, Indonesia, Papua New Guinea.

Web appendix A2: The Natural Resource Curse & the Spread of HIV/AIDS, 1990-2008 (Supplementary material)

 Estimations using oil rents/GDP rather than oil rents per capita.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | (1) | (2) | (3) | (4) | (5)FE |
| VARIABLES | Lnprevper | lndeaths | lnprevper | lndeaths | Lnprevper |
|   |   |   |   |   |   |
| Oilrentsgdp | 0.0122\*\*\* | 0.0225\*\*\* | 0.000633\*\* | 0.000994\*\* | 0.00846\*\* |
|  | (0.00347) | (0.00403) | (0.000287) | (0.000463) | (0.00334) |
| Lnincome | -0.335\*\*\* | -0.368\*\*\* | -0.00100 | -0.0268\*\*\* | 0.334\*\*\* |
|  | (0.0312) | (0.0479) | (0.00370) | (0.00520) | (0.0973) |
| Democracy | 0.146\* | 0.300\*\* | 0.00954 | 0.00471 | 0.0795 |
|  | (0.0822) | (0.132) | (0.00913) | (0.0137) | (0.0536) |
| Peaceyrs | 0.00467\*\*\* | 0.00441\* | -0.000539\*\*\* | -0.00112\*\*\* | 0.00614\*\*\* |
|  | (0.00175) | (0.00265) | (0.000205) | (0.000315) | (0.00162) |
| Civil war | -0.376\*\*\* | -1.094\*\*\* | -0.0251\*\* | -0.0341\*\* | -0.0482 |
|  | (0.0884) | (0.157) | (0.0105) | (0.0160) | (0.0456) |
| Aids in neighborhood | 0.286\*\*\* | 0.321\*\*\* | 0.00446\*\*\* | 0.00566\*\*\* | 0.0966\*\*\* |
|  | (0.0117) | (0.0143) | (0.00132) | (0.00173) | (0.0129) |
| L.lnprevper |  |  | 0.997\*\*\* |  |  |
|  |  |  | (0.00328) |  |  |
| L.lndeaths |  |  |  | 0.990\*\*\* |  |
|  |  |  |  | (0.00347) |  |
| Constant | 1.458\*\*\* | -2.083\*\*\* | 0.0164 | 0.186\*\*\* | -4.438\*\*\* |
|  | (0.281) | (0.426) | (0.0300) | (0.0407) | (1.047) |
|  |  |  |  |  |  |
| Observations | 2,039 | 1,944 | 1,949 | 1,859 | 2,039 |
| Standard errors in parentheses |  |  |  |  |  |
| \*\*\* p<0.01, \*\* p<0.05, p<0.10 |  |  |  |  |  |

Time dummies estimated (not shown)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Web appendix A3. Estimations with different control variables included |  |  |  |  |  |  |  |  |  |  |  |
|   | (1)FE | (2)FE | (3)FE | (4)FE | (5)FE | (6)FE | (7)FE | (8)FE | (9)FE | (10)FE | (11)FElnprevper |
| VARIABLES | lnprevper | lnprevper | lnprevper | lnprevper | lnprevper | lnprevper | lnprevper | lnprevper | lnprevper | Lnprevper |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Lnoilrentspc | 0.0858\*\* | 0.0866\*\* | 0.0788\*\* | 0.0745\*\* | 0.0778\*\* | 0.0822\*\* | 0.0720\*\* | 0.202\*\*\* |  |  | 0.0830\*\* |
|  | (0.0338) | (0.0341) | (0.0336) | (0.0316) | (0.0318) | (0.0337) | (0.0363) | (0.0514) |  |  | (0.0337) |
| newoil dummy |  |  |  |  |  |  |  |  | 0.206\*\* |  |  |
|  |  |  |  |  |  |  |  |  | (0.0844) |  |  |
| fuel exp GDP |  |  |  |  |  |  |  |  |  | 0.00560\*\*\* |  |
|  |  |  |  |  |  |  |  |  |  | (0.00198) |  |
| lnoilrentspc2 |  |  |  |  |  |  |  | -0.0181\*\*\* |  |  |  |
|  |  |  |  |  |  |  |  | (0.00483) |  |  |  |
| Lnincome | 0.332\*\*\* | 0.320\*\*\* | 0.311\*\*\* | 0.418\*\*\* | 0.412\*\*\* | 0.291\*\* | 0.264\*\* | 0.308\*\*\* | -0.110 | 0.218\* | 0.264\*\* |
|  | (0.125) | (0.119) | (0.118) | (0.116) | (0.116) | (0.120) | (0.112) | (0.118) | (0.142) | (0.126) | (0.119) |
| Democracy | 0.108\* | 0.0808 | 0.108\* | 0.0791 | 0.0811 | 0.107\* | 0.0593 | 0.114\* | 0.101 | 0.0119 | 0.0797 |
|  | (0.0605) | (0.0558) | (0.0623) | (0.0590) | (0.0588) | (0.0607) | (0.0491) | (0.0603) | (0.0667) | (0.0592) | (0.0666) |
| Peaceyrs | 0.00781\*\*\* | 0.00723\*\*\* | 0.00779\*\*\* | 0.00891\*\*\* | 0.00875\*\*\* | 0.00776\*\*\* | 0.00707\*\*\* | 0.00757\*\*\* | 0.00340\* | 0.00459\*\*\* | 0.00654\*\*\* |
|  | (0.00162) | (0.00159) | (0.00162) | (0.00172) | (0.00172) | (0.00163) | (0.00141) | (0.00161) | (0.00180) | (0.00137) | (0.00157) |
| incidencev410 | -0.0785\* | -0.0879\*\* | -0.0843\* | -0.0651 | -0.0663 | -0.0811\* | -0.0585 | -0.0872\*\* | -0.144\*\*\* | -0.116\*\* | -0.0904\*\* |
|  | (0.0447) | (0.0441) | (0.0452) | (0.0451) | (0.0451) | (0.0442) | (0.0388) | (0.0437) | (0.0486) | (0.0487) | (0.0460) |
| Inbaids | 0.1000\*\*\* | 0.103\*\*\* | 0.0974\*\*\* | 0.0881\*\*\* | 0.0890\*\*\* | 0.0987\*\*\* | 0.0948\*\*\* | 0.0965\*\*\* | 0.0935\*\*\* | 0.0726\*\*\* | 0.101\*\*\* |
|  | (0.0120) | (0.0117) | (0.0123) | (0.0127) | (0.0127) | (0.0120) | (0.0122) | (0.0116) | (0.0131) | (0.0200) | (0.0120) |
| Corruption | 0.00655 | 0.00889 | 0.0116 | -0.00138 | 0.000817 | 0.00902 | 0.00664 | 0.0159 | -0.000493 | 0.0197 | 0.0161 |
|  | (0.0174) | (0.0176) | (0.0176) | (0.0172) | (0.0174) | (0.0174) | (0.0166) | (0.0175) | (0.0204) | (0.0179) | (0.0178) |
| Gdppcgrw | -0.00515\*\* |  |  |  |  |  |  |  |  |  |  |
|  | (0.00262) |  |  |  |  |  |  |  |  |  |  |
| Issafrica |  | 0.632 |  |  |  |  |  |  |  |  |  |
|  |  | (0.458) |  |  |  |  |  |  |  |  |  |
| Educexpgni |  |  | -0.0179 |  |  |  |  |  |  |  |  |
|  |  |  | (0.0193) |  |  |  |  |  |  |  |  |
| Lnpop |  |  |  | 1.087\*\*\* |  |  |  |  |  |  |  |
|  |  |  |  | (0.239) |  |  |  |  |  |  |  |
| Lnpopden |  |  |  |  | 1.171\*\*\* |  |  |  |  |  |  |
|  |  |  |  |  | (0.242) |  |  |  |  |  |  |
| migrnt workers pop% |  |  |  |  |  | 0.000948 |  |  |  |  |  |
|  |  |  |  |  |  | (0.00761) |  |  |  |  |  |
| muslim pop% |  |  |  |  |  |  | 1.929\*\*\* |  |  |  |  |
|  |  |  |  |  |  |  | (0.129) |  |  |  |  |
| Constant | -4.987\*\*\* | -4.850\*\*\* | -4.676\*\*\* | -27.09\*\*\* | -9.934\*\*\* | -4.554\*\*\* | -5.694\*\*\* | -4.895\*\*\* | 0.403 | -3.178\*\* | -4.222\*\*\* |
|  | (1.341) | (1.281) | (1.276) | (5.097) | (1.651) | (1.291) | (1.155) | (1.275) | (1.540) | (1.359) | (1.281) |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Observations | 1,649 | 1,581 | 1,642 | 1,653 | 1,633 | 1,653 | 1,465 | 1,653 | 1,808 | 1,588 | 1,635 |
| Standard errors in parentheses |  |  |  |  |  |  |  |  |  |  |  |
| \*\*\* p<0.01, \*\* p<0.05, \* p<0.10 |  |  |  |  |  |  |  |  |  |  |  |

 |  |  |

Web appendix B.

Estimations using TB rates rather than HIV as dependent variable.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|   | (1) | (2) | (3) | (4) | (5) | (6) |
| VARIABLES | lntbprev | lntbprev | LntbprevFE | LntbprevOnly LDCs | LntbprevOnly LDCs | LntbprevFEOnly LDCs |
|   |   |   |   |   |   |   |
| lnoilrentspc | 0.0357\*\*\* | 0.00981 | 0.0678\*\*\* | 0.0773\*\*\* | 0.0553\*\*\* | 0.0608\*\*\* |
|  | (0.0119) | (0.0130) | (0.0143) | (0.0139) | (0.0171) | (0.0159) |
| lnincome | -0.774\*\*\* | -0.697\*\*\* | -0.451\*\*\* | -0.726\*\*\* | -0.698\*\*\* | -0.522\*\*\* |
|  | (0.0304) | (0.0412) | (0.0763) | (0.0349) | (0.0461) | (0.0822) |
| democracy | -0.319\*\*\* | -0.271\*\*\* | -0.000821 | -0.195\*\*\* | -0.162\*\* | -0.0122 |
|  | (0.0633) | (0.0781) | (0.0463) | (0.0633) | (0.0788) | (0.0454) |
| peaceyrs | -0.00449\*\*\* | -0.000208 | 0.00229 | -4.28e-05 | 0.00307 | 0.00220 |
|  | (0.00146) | (0.00167) | (0.00143) | (0.00174) | (0.00202) | (0.00185) |
| incidencev410 | 0.110\* | 0.137\* | 0.0123 | 0.151\*\* | 0.184\*\* | 0.0386 |
|  | (0.0666) | (0.0782) | (0.0246) | (0.0697) | (0.0841) | (0.0252) |
| inbaids | 0.0698\*\*\* | 0.0748\*\*\* | 0.0241\*\*\* | 0.0757\*\*\* | 0.0815\*\*\* | 0.0210\*\*\* |
|  | (0.0103) | (0.0114) | (0.00603) | (0.00994) | (0.0112) | (0.00628) |
| corruption |  | -0.170\*\*\* | 0.00691 |  | -0.0937\*\* | -0.000271 |
|  |  | (0.0305) | (0.0114) |  | (0.0399) | (0.0138) |
| Constant | 11.23\*\*\* | 10.91\*\*\* | 6.355\*\*\* | 10.63\*\*\* | 10.55\*\*\* | 9.761\*\*\* |
|  | (0.232) | (0.294) | (0.828) | (0.276) | (0.344) | (0.675) |
|  |  |  |  |  |  |  |
| Observations | 2,022 | 1,635 | 1,635 | 1,642 | 1,275 | 1,275 |
| Standard errors in parentheses |  |  |  |  |  |  |
| \*\*\* p<0.01, \*\* p<0.05, \* p<0.10 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |