

APPENDIX 1. OLS Estimates for Total Combat Deaths of Armed Civil Conflict, 1946–2002. Robustness Checks

	Base model ^a	Country level	Production status	7 outliers removed	Ongoing conflicts	Robustness checks: alternative controls				Continent & colony dummies
Gem production, conflict zone	2.72 (2.51) <i>0.014</i>		2.33 (2.19) <i>0.031</i>	2.33 (2.24) <i>0.028</i>	2.50 (2.57) <i>0.012</i>	2.77 (2.58) <i>0.012</i>	2.58 (2.34) <i>0.021</i>	2.72 (2.51) <i>0.014</i>	2.35 (2.06) <i>0.042</i>	2.77 (2.59) <i>0.011</i>
Drug cultivation, conflict zone	0.39 (2.39) <i>0.019</i>		0.36 (2.45) <i>0.016</i>	0.46 (2.38) <i>0.019</i>	0.40 (2.24) <i>0.027</i>	0.39 (2.36) <i>0.020</i>	0.39 (2.26) <i>0.026</i>	0.39 (2.40) <i>0.018</i>	0.39 (2.29) <i>0.025</i>	0.39 (2.31) <i>0.023</i>
Hydrocarbon production, conflict zone	2.56 (3.41) <i>0.001</i>		1.78 (2.03) <i>0.046</i>	3.04 (3.83) <i>0.000</i>	2.15 (2.96) <i>0.004</i>	2.86 (3.84) <i>0.000</i>	2.50 (3.30) <i>0.001</i>	2.56 (3.47) <i>0.001</i>	2.33 (2.92) <i>0.004</i>	2.69 (3.49) <i>0.001</i>
Hydrocarbon production, <i>outside</i> conflict zone	0.48 (2.55) <i>0.013</i>		0.39 (3.25) <i>0.002</i>	0.44 (2.86) <i>0.005</i>	0.51 (2.46) <i>0.016</i>	0.43 (2.81) <i>0.006</i>	0.49 (2.41) <i>0.018</i>	0.48 (2.53) <i>0.013</i>	0.49 (2.44) <i>0.017</i>	0.51 (2.08) <i>0.040</i>
In Mountainous terrain, conflict zone	1.06 (2.98) <i>0.004</i>	1.07 (3.81) <i>0.000</i>	1.06 (3.13) <i>0.002</i>	1.06 (3.04) <i>0.003</i>	1.06 (2.99) <i>0.004</i>	1.07 (3.70) <i>0.000</i>	1.06 (2.89) <i>0.005</i>	1.06 (2.97) <i>0.004</i>	1.06 (2.71) <i>0.008</i>	1.06 (3.23) <i>0.002</i>
Conflict at border, conflict level	2.47 (2.75) <i>0.007</i>	2.52 (2.69) <i>0.009</i>	2.44 (2.71) <i>0.008</i>	2.23 (2.58) <i>0.011</i>	2.43 (2.98) <i>0.004</i>	2.46 (2.79) <i>0.007</i>	2.52 (2.75) <i>0.007</i>	2.47 (2.69) <i>0.008</i>	2.16 (2.26) <i>0.027</i>	2.50 (2.71) <i>0.008</i>
Weak rebel group	1.26 (0.37) <i>0.711</i>	1.15 (0.23) <i>0.821</i>	1.25 (0.37) <i>0.715</i>	1.32 (0.44) <i>0.661</i>	1.28 (0.42) <i>0.677</i>	1.49 (0.61) <i>0.542</i>	1.31 (0.41) <i>0.679</i>	1.26 (0.36) <i>0.716</i>	1.24 (0.33) <i>0.740</i>	1.29 (0.39) <i>0.698</i>
Equal strength	4.41 (2.11) <i>0.037</i>	3.88 (1.91) <i>0.060</i>	3.61 (1.90) <i>0.061</i>	4.70 (2.38) <i>0.020</i>	5.50 (2.50) <i>0.014</i>	4.92 (2.10) <i>0.038</i>	4.44 (2.03) <i>0.045</i>	4.41 (2.06) <i>0.043</i>	4.43 (2.09) <i>0.039</i>	4.21 (1.96) <i>0.053</i>
Cold War	3.88 (4.08) <i>0.000</i>	4.13 (4.12) <i>0.000</i>	3.73 (3.96) <i>0.000</i>	4.52 (5.08) <i>0.000</i>	5.25 (5.15) <i>0.000</i>	3.80 (3.87) <i>0.000</i>	4.00 (4.21) <i>0.000</i>	3.88 (4.00) <i>0.000</i>	3.73 (3.99) <i>0.000</i>	4.86 (4.22) <i>0.000</i>
Internationalized conflict	10.70 (5.72) <i>0.000</i>	10.14 (5.31) <i>0.000</i>	11.79 (5.97) <i>0.000</i>	14.43 (7.80) <i>0.000</i>	11.52 (5.90) <i>0.000</i>	10.42 (5.59) <i>0.000</i>	10.94 (5.60) <i>0.000</i>	10.70 (5.71) <i>0.000</i>	10.44 (5.67) <i>0.000</i>	9.19 (5.04) <i>0.000</i>
In Population size	1.59 (5.46) <i>0.000</i>	1.52 (4.63) <i>0.000</i>	1.68 (5.91) <i>0.000</i>	1.60 (5.34) <i>0.000</i>	1.54 (5.10) <i>0.000</i>	1.44 (4.33) <i>0.000</i>	1.55 (5.23) <i>0.000</i>	1.59 (5.45) <i>0.000</i>	1.55 (4.78) <i>0.000</i>	1.54 (3.67) <i>0.000</i>
Ethnic fractionalization	0.26 (2.43) <i>0.017</i>	0.27 (2.39) <i>0.019</i>	0.24 (2.66) <i>0.009</i>	0.26 (2.79) <i>0.006</i>	0.21 (2.91) <i>0.004</i>		0.27 (2.38) <i>0.020</i>	0.26 (2.36) <i>0.020</i>	0.24 (2.59) <i>0.011</i>	0.19 (2.93) <i>0.004</i>
Ethnic polarization	0.45 (2.00) <i>0.048</i>	0.47 (1.82) <i>0.071</i>	0.52 (1.69) <i>0.094</i>	0.48 (2.02) <i>0.047</i>	0.50 (1.95) <i>0.054</i>	0.52 (1.69) <i>0.094</i>	0.45 (2.10) <i>0.039</i>	0.45 (1.98) <i>0.051</i>	0.46 (2.01) <i>0.048</i>	0.47 (1.91) <i>0.060</i>
Democracy	0.48 (2.07) <i>0.041</i>	0.51 (1.69) <i>0.095</i>	0.51 (1.92) <i>0.058</i>	0.56 (1.80) <i>0.076</i>	0.40 (2.67) <i>0.009</i>	0.42 (2.20) <i>0.030</i>		0.48 (2.04) <i>0.044</i>	0.51 (1.87) <i>0.065</i>	0.61 (1.21) <i>0.228</i>
Gemstone production, country level		1.68 (1.37) <i>0.173</i>						0.26 (2.36) <i>0.020</i>	0.24 (2.59) <i>0.011</i>	0.19 (2.93) <i>0.004</i>
Hydrocarbon production country level		0.74 (0.85) <i>0.399</i>								
Drug cultivation country level		0.73 (0.85) <i>0.396</i>								
Ethnic fractionalization, (Alesina et al., 2003)						0.19 (3.08) <i>0.003</i>				
Polity score							0.98 (0.76) <i>0.447</i>			
Polity score squared							0.99 (1.20) <i>0.235</i>			
Religious fractionalization								1.00 (0.00) <i>0.999</i>		
In Size of conflict area									1.13 (1.16) <i>0.251</i>	
Status of resource production at conflict start			Yes							
Seven outliers removed				Yes						
Dummy for ongoing conflicts in 2002					Yes					
Dummies for continents and colonies										Yes
N	244	244	244	237	244	234	244	244	244	244
F	23.23	17.45	24.45	27.36	29.82	19.74	20.85	22.36	21.02	18.19
r ²	0.39	0.33	0.38	0.43	0.44	0.38	0.38	0.39	0.39	0.40
Adjusted R-squared	0.35	0.29	0.34	0.39	0.41	0.34	0.34	0.35	0.35	0.34

NOTE: Table shows the exponential form of OLS estimates for combat deaths (log transformed). For definitions and sources, see the article. Robust t-values, adjusted over countries, in parentheses. p-values in italics.

^a Base model refers to Model 2 in Table 3 in the article

APPENDIX 2. OLS Estimates for Daily Death Rate of Armed Civil Conflict, 1946–2002. Robustness Checks

	Base model ^a	Production status	4 outliers removed	Control for ongoing conflicts	Robustness checks: alternative controls				Continent & colony	
Gem production, conflict zone	1.59 (1.13) <i>0.263</i>	2.12 (2.04) <i>0.045</i>	1.63 (1.19) <i>0.238</i>	1.56 (1.10) <i>0.273</i>	1.55 (1.10) <i>0.274</i>	1.49 (0.93) <i>0.357</i>	1.59 (1.14) <i>0.258</i>	1.49 (0.94) <i>0.348</i>	1.45 (0.95) <i>0.345</i>	1.77 (1.53) <i>0.129</i>
Drug cultivation, conflict zone	0.42 (2.21) <i>0.030</i>	0.34 (2.61) <i>0.010</i>	0.44 (2.13) <i>0.036</i>	0.43 (2.09) <i>0.039</i>	0.46 (1.86) <i>0.067</i>	0.43 (2.08) <i>0.040</i>	0.44 (2.05) <i>0.043</i>	0.42 (2.15) <i>0.034</i>	0.43 (2.08) <i>0.040</i>	0.43 (2.03) <i>0.045</i>
Hydrocarbon production, conflict zone	1.57 (1.85) <i>0.068</i>	1.68 (1.83) <i>0.071</i>	1.70 (2.19) <i>0.031</i>	1.50 (1.61) <i>0.111</i>	1.69 (2.07) <i>0.041</i>	1.49 (1.59) <i>0.115</i>	1.62 (1.96) <i>0.053</i>	1.50 (1.47) <i>0.146</i>	1.58 (1.92) <i>0.059</i>	1.62 (1.72) <i>0.090</i>
Hydrocarbon production, <i>outside</i> conflict zone	0.59 (1.92) <i>0.058</i>	0.43 (2.84) <i>0.006</i>	0.61 (1.79) <i>0.076</i>	0.60 (1.86) <i>0.067</i>	0.55 (2.07) <i>0.041</i>	0.63 (1.65) <i>0.103</i>	0.60 (1.80) <i>0.076</i>	0.59 (1.86) <i>0.066</i>	0.56 (2.16) <i>0.033</i>	0.58 (1.90) <i>0.060</i>
In Mountainous terrain, conflict zone	1.06 (3.46) <i>0.001</i>	1.06 (2.95) <i>0.004</i>	1.06 (3.68) <i>0.000</i>	1.06 (3.44) <i>0.001</i>	1.07 (3.75) <i>0.000</i>	1.06 (3.37) <i>0.001</i>	1.06 (3.39) <i>0.001</i>	1.06 (3.37) <i>0.001</i>	1.06 (3.41) <i>0.001</i>	1.06 (4.17) <i>0.000</i>
Conflict at border, conflict level	0.89 (0.43) <i>0.670</i>	1.68 (1.68) <i>0.097</i>	0.87 (0.53) <i>0.599</i>	0.89 (0.41) <i>0.684</i>	0.89 (0.42) <i>0.679</i>	0.87 (0.46) <i>0.648</i>	0.87 (0.51) <i>0.608</i>	0.83 (0.63) <i>0.529</i>	0.92 (0.27) <i>0.786</i>	0.88 (0.46) <i>0.647</i>
Weak rebel group	0.35 (2.29) <i>0.025</i>	0.81 (0.46) <i>0.645</i>	0.47 (1.72) <i>0.089</i>	0.35 (2.26) <i>0.026</i>	0.49 (1.66) <i>0.100</i>	0.36 (2.16) <i>0.034</i>	0.36 (2.12) <i>0.037</i>	0.34 (2.28) <i>0.025</i>	0.34 (2.27) <i>0.026</i>	0.32 (2.26) <i>0.026</i>
Equal strength	1.57 (0.86) <i>0.394</i>	2.35 (1.56) <i>0.123</i>	2.48 (1.87) <i>0.065</i>	1.69 (1.01) <i>0.316</i>	2.15 (1.43) <i>0.157</i>	1.54 (0.80) <i>0.424</i>	1.64 (0.90) <i>0.371</i>	1.58 (0.87) <i>0.389</i>	1.48 (0.73) <i>0.465</i>	1.31 (0.49) <i>0.625</i>
Cold War	2.69 (3.43) <i>0.001</i>	4.09 (4.30) <i>0.000</i>	2.56 (3.34) <i>0.001</i>	2.93 (3.68) <i>0.000</i>	2.78 (3.32) <i>0.001</i>	2.78 (3.57) <i>0.001</i>	2.72 (3.48) <i>0.001</i>	2.63 (3.35) <i>0.001</i>	2.50 (3.41) <i>0.001</i>	3.84 (4.73) <i>0.000</i>
Internationalized conflict	2.87 (3.49) <i>0.001</i>	8.71 (5.28) <i>0.000</i>	2.68 (3.36) <i>0.001</i>	2.96 (3.57) <i>0.001</i>	2.99 (3.64) <i>0.000</i>	2.79 (3.30) <i>0.001</i>	2.81 (3.46) <i>0.001</i>	2.85 (3.50) <i>0.001</i>	2.69 (3.25) <i>0.002</i>	2.46 (2.81) <i>0.006</i>
In Population size	1.25 (2.18) <i>0.032</i>	1.52 (4.60) <i>0.000</i>	1.19 (1.91) <i>0.059</i>	1.25 (2.06) <i>0.043</i>	1.14 (1.12) <i>0.268</i>	1.20 (1.75) <i>0.083</i>	1.25 (2.21) <i>0.029</i>	1.24 (2.16) <i>0.033</i>	1.31 (2.56) <i>0.012</i>	1.31 (2.37) <i>0.020</i>
Ethnic fractionalization	0.19 (3.21) <i>0.002</i>	0.23 (2.77) <i>0.007</i>	0.23 (3.12) <i>0.002</i>	0.18 (3.28) <i>0.001</i>		0.21 (2.99) <i>0.004</i>	0.17 (3.23) <i>0.002</i>	0.19 (3.24) <i>0.002</i>	0.20 (3.12) <i>0.002</i>	0.17 (3.26) <i>0.002</i>
Ethnic polarization	0.33 (2.87) <i>0.005</i>	0.52 (1.84) <i>0.070</i>	0.36 (2.85) <i>0.005</i>	0.34 (2.76) <i>0.007</i>	0.33 (2.20) <i>0.031</i>	0.32 (2.80) <i>0.006</i>	0.34 (2.88) <i>0.005</i>	0.33 (2.81) <i>0.006</i>	0.35 (2.90) <i>0.005</i>	0.34 (2.95) <i>0.004</i>
Democracy	0.29 (4.52) <i>0.000</i>	0.54 (1.83) <i>0.071</i>	0.34 (4.22) <i>0.000</i>	0.28 (4.59) <i>0.000</i>	0.28 (3.91) <i>0.000</i>		0.30 (4.37) <i>0.000</i>	0.30 (4.51) <i>0.000</i>	0.29 (4.50) <i>0.000</i>	0.38 (3.83) <i>0.000</i>
Ethnic fractionalization, (Alesina et al., 2003)					0.31 (2.00) <i>0.049</i>					
Polity score						0.94 (3.06) <i>0.003</i>				
Polity score squared						0.99 (2.61) <i>0.011</i>				
Religious fractionalization							1.52 (0.56) <i>0.576</i>			
In Size of conflict area								1.06 (0.61) <i>0.541</i>		
Simultaneous conflicts									0.63 (1.53) <i>0.129</i>	
Forested terrain, conflict level									1.03 (1.77) <i>0.080</i>	
Dummy for conflicts with duration of 10 days or less	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Status of resource production at conflict start		Yes								
Four outliers removed			Yes							
Dummy for ongoing conflicts in 2002				Yes						
Dummies for continents and colonies										Yes
N	244	244	240	244	234	244	244	244	244	244
F	24.51	22.26	25.99	23.10	21.17	21.11	23.9	23.55	24.81	23.39
r ²	0.58	0.43	0.59	0.58	0.56	0.57	0.58	0.58	0.59	0.60
Adjusted R-squared	0.55	0.40	0.57	0.55	0.53	0.54	0.55	0.55	0.56	0.56

NOTE: Table shows the exponential form of OLS estimates for daily death rate (log transformed). For definitions and sources, see the article. Robust t-values, adjusted over countries, in parentheses. p-values in italics.

^a Base model refers to Model 6 in Table 3 in the article