# Supporting information for:

# Explaining How Human Rights Protections Change After Internal Armed Conflicts

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This supporting document contains additional information and tables mentioned in the main text. All data and code required to reproduce the results in this study are available in a replication package posted at https://dataverse.harvard.edu/dataverse/jkarreth.

## *1. Summary statistics*

Table A1: Summary statistics for main variables

| | Obs,. | Mean | S.D. | Min. | Max. |
|---|---|---|---|---|---|
| Changes in Human Rights Protection, compared to HRP average in the 5 years before conflict | 688 | -0.02 | 0.86 | -2.53 | 2.01 |
| > 10k Gov't casualties | 688 | 0.13 | 0.34 | 0.00 | 1.00 |
| HRP before conflict, 5-year average | 688 | -1.29 | 0.95 | -3.19 | 1.13 |
| HRP before conflict, 10-year average | 687 | -1.12 | 0.93 | -3.18 | 1.46 |
| Democracy before conflict | 688 | 0.24 | 0.43 | 0.00 | 1.00 |
| Population (logged) | 688 | 9.49 | 1.45 | 5.96 | 13.86 |
| Executive constraints | 688 | 3.39 | 2.09 | 1.00 | 7.00 |
| Conflict resumed | 688 | 0.11 | 0.32 | 0.00 | 1.00 |
| GDP per capita (logged) | 688 | 7.44 | 1.08 | 4.70 | 10.29 |

## *2. Descriptive data on human rights protections in select cases*

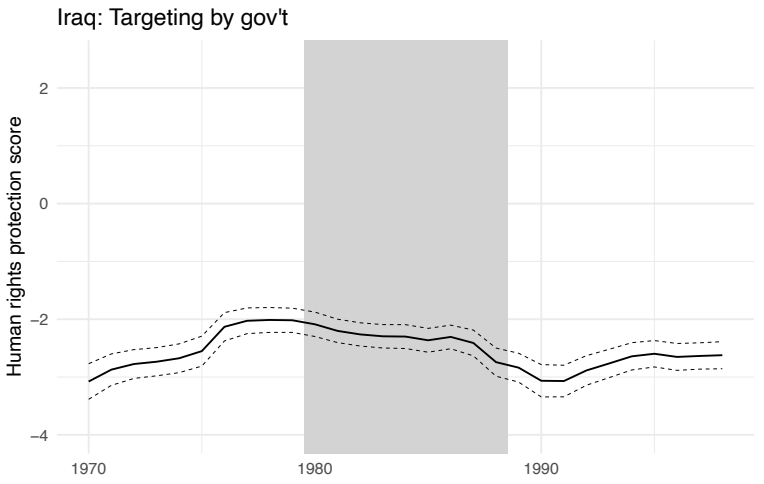


Figure A1: Human rights protection scores in Iraq before, during, and after conflict. During the conflict, the government engaged in systematic targeting of civilians (conflict ID in the STAC data: 6451980). The gray area highlights the conflict period. Mean latent human rights protection scores are shown in the black line, with a confidence interval (± one standard deviation) in dashed lines.

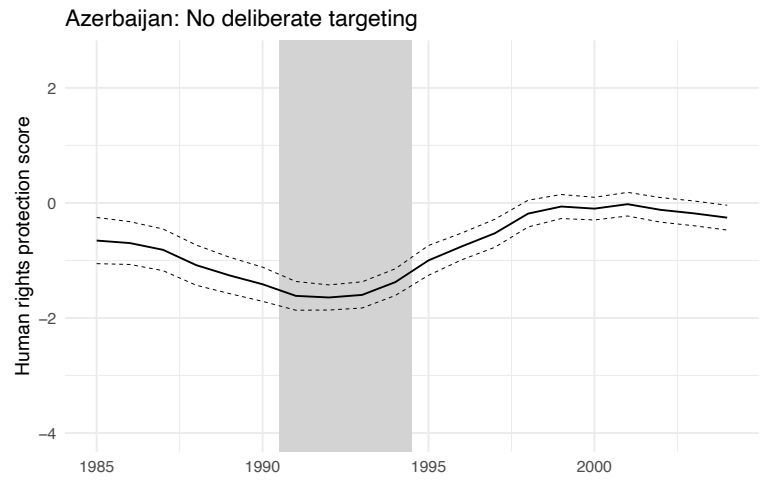


Figure A2: Human rights protection scores in Azerbaijan before, during, and after conflict. During the conflict, neither the government nor the rebels engaged in widespread, systematic targeting of civilians (conflict ID in the STAC data: 3731991).

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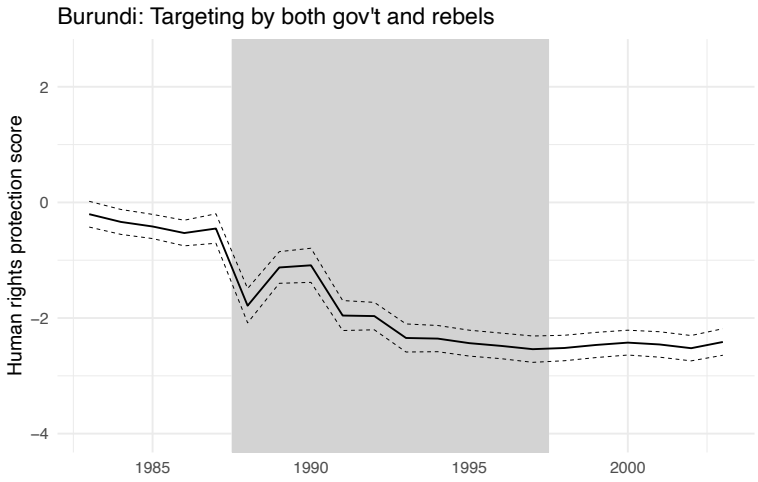


Figure A3: Human rights protection scores in Burundi before, during, and after conflict. During the conflict, both the government and the rebels engaged in systematic targeting of civilians (conflict IDs in the STAC data: 5161993, 5161997).

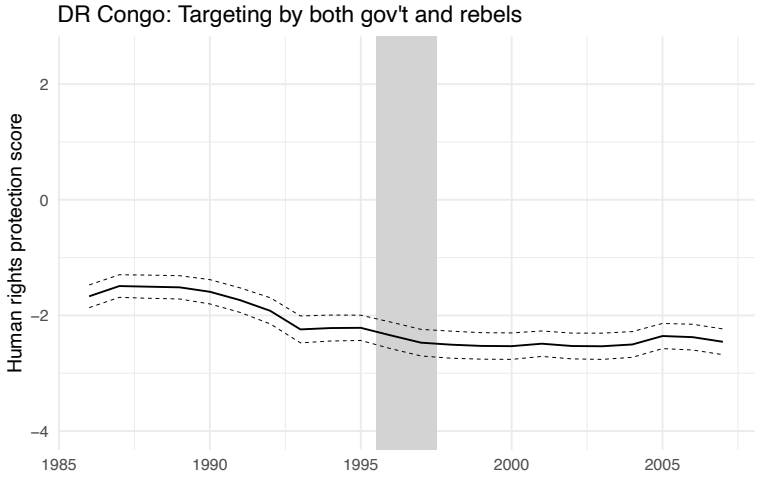


Figure A4: Human rights protection scores in the Democratic Republic of Congo before, during, and after conflict. During the conflict, both the government and the rebels engaged in systematic targeting of civilians (conflict ID in the STAC data: 4901996).

## *3. Additional analyses*

Table A2: Regression estimates of changes in Human Rights Protection (averaged over up to 10 post-conflict years), compared to HRP average in the 5 years before conflict. Unit of analysis: post-conflict period.

| | |
|---|---|
| Gov't targeted civilians | -0.39* |
| | (0.20) |
| Both gov't & rebels targeted civilians | -0.31 |
| | (0.35) |
| > 10k Gov't casualties | 0.25 |
| | (0.28) |
| HRP before conflict, 5-year average | -0.49* |
| | (0.13) |
| Democracy before conflict | -0.37* |
| | (0.21) |
| Population (logged) | -0.11 |
| | (0.07) |
| Executive constraints | 0.20* |
| | (0.05) |
| Conflict resumed | -0.19 |
| | (0.45) |
| GDP per capita (logged) | 0.11 |
| | (0.10) |
| Constant | -0.75 |
| | (0.65) |
| Observations | 91 |
| R-squared | 0.29 |

Standard errors, clustered by country, in parentheses. * p<0.05, one-tailed tests.

Table A3: Regression estimates of changes in Human Rights Protection (averaged over up to 10 post-conflict years), compared to HRP average in the 5 years before conflict, conditional on government control after conflict. Unit of analysis: post-conflict period.

| | (1) |
|---|---|
| Gov't targeted civilians | -0.45 |
| | (0.32) |
| Gov't remains in power | -0.21 |
| | (0.37) |
| Powersharing | 0.00 |
| | (0.36) |
| Unclear gov't control or failed state | -0.56 |
| | (0.44) |
| Gov't targeted civilians | 0.15 |
| & Gov't remains in power | (0.42) |
| Gov't targeted civilians | -0.14 |
| & Powersharing | (0.51) |
| Gov't targeted civilians | 0.21 |
| & unclear control/failed state | (0.45) |
| > 10k Gov't casualties | 0.25 |
| | (0.30) |
| HRP before conflict, 5-year average | -0.44* |
| | (0.13) |
| Democracy before conflict | -0.32 |
| | (0.23) |
| Population (logged) | -0.11 |
| | (0.07) |
| Executive constraints | 0.20* |
| | (0.06) |
| Conflict resumed | -0.25 |
| | (0.45) |
| GDP per capita (logged) | 0.08 |
| | (0.11) |
| Constant | -0.28 |
| | (0.82) |
| Observations | 91 |
| R-squared | 0.31 |

Standard errors, clustered by country, in parentheses. * p<0.05, one-tailed tests.

Table A4: Multilevel regression estimates of changes in Human Rights Protection, compared to average HRP in varying time windows before conflict up to 10 years after conflict. Unit of analysis: post-conflict period year.

| | (1) | (2) | (3) | (4) | (5) |
|---|---|---|---|---|---|
| Pre-conflict time window | 10 years | 9 years | 8 years | 7 years | 6 years |
| Gov't targeted civilians | -0.34* | -0.30* | -0.28* | -0.27* | -0.24* |
| | (0.16) | (0.15) | (0.15) | (0.14) | (0.14) |
| Both gov't & rebels targeted civilians | -0.19 | -0.05 | -0.03 | -0.01 | 0.05 |
| | (0.28) | (0.25) | (0.25) | (0.25) | (0.25) |
| > 10k Gov't casualties | 0.39* | 0.37* | 0.38* | 0.40* | 0.42* |
| | (0.20) | (0.18) | (0.17) | (0.17) | (0.17) |
| Years after conflict | 0.06* | 0.06* | 0.06* | 0.06* | 0.06* |
| | (0.01) | (0.01) | (0.01) | (0.01) | (0.01) |
| HRP before conflict, averaged | -0.47* | -0.57* | -0.56* | -0.54* | -0.52* |
| | (0.10) | (0.09) | (0.09) | (0.09) | (0.09) |
| Democracy before conflict | -0.01 | 0.08 | 0.08 | 0.07 | 0.06 |
| | (0.20) | (0.20) | (0.20) | (0.20) | (0.19) |
| Population (logged) | -0.15* | -0.17* | -0.17* | -0.17* | -0.17* |
| | (0.06) | (0.06) | (0.06) | (0.06) | (0.06) |
| Executive constraints | 0.13* | 0.13* | 0.13* | 0.13* | 0.13* |
| | (0.04) | (0.04) | (0.04) | (0.04) | (0.04) |
| Conflict resumed | -0.30* | -0.31* | -0.31* | -0.30* | -0.30* |
| | (0.10) | (0.10) | (0.10) | (0.10) | (0.10) |
| GDP per capita (logged) | 0.02 | 0.04 | 0.04 | 0.04 | 0.03 |
| | (0.08) | (0.08) | (0.08) | (0.08) | (0.08) |
| Constant | -0.29 | 0.12 | 0.15 | 0.19 | 0.20 |
| | (0.74) | (0.70) | (0.69) | (0.69) | (0.68) |
| Observations | 687 | 687 | 687 | 688 | 688 |
| Number of conflicts | 95 | 95 | 95 | 96 | 96 |

Standard errors, clustered by country, in parentheses. * p<0.05, one-tailed tests.

Table A5: Multilevel regression estimates of changes in Human Rights Protection, compared to HRP average in the 5 years before conflict, up to 5/6/7/8/9 years after conflict. Unit of analysis: post-conflict period year.

| | (1) | (2) | (3) | (4) | (5) |
|---|---|---|---|---|---|
| Post-conflict time window | 9 years | 8 years | 7 years | 6 years | 5 years |
| Gov't targeted civilians | -0.32* | -0.32* | -0.30* | -0.31* | -0.33* |
| | (0.16) | (0.16) | (0.17) | (0.17) | (0.18) |
| Both gov't & rebels targeted civilians | -0.23 | -0.24 | -0.23 | -0.25 | -0.28 |
| | (0.28) | (0.28) | (0.29) | (0.29) | (0.29) |
| > 10k Gov't casualties | 0.32 | 0.30 | 0.30 | 0.28 | 0.25 |
| | (0.23) | (0.23) | (0.23) | (0.23) | (0.22) |
| Years after conflict | 0.06* | 0.06* | 0.06* | 0.05* | 0.05* |
| | (0.01) | (0.01) | (0.01) | (0.01) | (0.01) |
| HRP before conflict, 5-year average | -0.38* | -0.38* | -0.36* | -0.35* | -0.35* |
| | (0.10) | (0.10) | (0.11) | (0.11) | (0.11) |
| Democracy before conflict | -0.14 | -0.15 | -0.15 | -0.15 | -0.14 |
| | (0.19) | (0.19) | (0.19) | (0.19) | (0.18) |
| Population (logged) | -0.07 | -0.07 | -0.07 | -0.07 | -0.08 |
| | (0.06) | (0.06) | (0.06) | (0.06) | (0.06) |
| Executive constraints | 0.12* | 0.12* | 0.12* | 0.11* | 0.11* |
| | (0.03) | (0.04) | (0.04) | (0.04) | (0.03) |
| Conflict resumed | -0.23* | -0.22* | -0.19* | -0.14 | -0.16 |
| | (0.09) | (0.10) | (0.10) | (0.10) | (0.10) |
| GDP per capita (logged) | 0.03 | 0.04 | 0.07 | 0.10 | 0.09 |
| | (0.08) | (0.08) | (0.08) | (0.07) | (0.07) |
| Constant | -0.48 | -0.61 | -0.75 | -0.93 | -0.80 |
| | (0.66) | (0.65) | (0.64) | (0.61) | (0.58) |
| Observations | 639 | 589 | 534 | 474 | 407 |
| Number of conflicts | 95 | 95 | 94 | 94 | 94 |

Standard errors, clustered by country, in parentheses. * p<0.05, one-tailed tests.

Table A6: Multilevel regression estimates of changes in Human Rights Protection, (1) controlling for economic grievances and (2) controlling for conflict outcome. Unit of analysis: post-conflict period year.

| | (1) | (2) |
|---|---|---|
| Gov't targeted civilians | -0.29* | -0.37* |
| | (0.16) | (0.16) |
| Both gov't & rebels targeted civilians | -0.28 | -0.29 |
| | (0.28) | (0.29) |
| > 10k Gov't casualties | 0.36* | 0.29 |
| | (0.21) | (0.22) |
| Years after conflict | 0.05* | 0.05* |
| | (0.01) | (0.01) |
| HRP before conflict, 10-year average | -0.39* | -0.43* |
| | (0.09) | (0.10) |
| Democracy before conflict | -0.09 | -0.13 |
| | (0.20) | (0.19) |
| Population (logged) | -0.07 | -0.07 |
| | (0.07) | (0.07) |
| Executive constraints | 0.12* | 0.12* |
| | (0.03) | (0.03) |
| Conflict resumed | -0.24* | -0.25* |
| | (0.09) | (0.09) |
| GDP per capita (logged) | -0.09 | -0.01 |
| | (0.10) | (0.09) |
| Change in GDPpc from pre-conflict period | 0.21* | |
| | (0.13) | |
| Conflict outcome: compromise | | 0.04 |
| | | (0.23) |
| Conflict outcome: government victory | | -0.01 |
| | | (0.21) |
| Constant | 0.29 | -0.24 |
| | (0.77) | (0.68) |
| Observations | 685 | 686 |
| Number of conflicts | 94 | 95 |

Standard errors, clustered by country, in parentheses. * p<0.05, one-tailed tests.