

Contents

List of Tables.....	9
List of Maps and Figures.....	12
List of Frequent Abbreviations	15
Acknowledgments.....	17
Foreword.....	19
1 Introduction.....	21
2 Theoretical and Empirical Approaches.....	40
2.1 The Hobbesian Approach to Intrastate Violence.....	40
2.1.1 The Rationalist Approach	41
2.1.2 Predation	45
2.1.3 Security Dilemmas, Retaliation, and Preemptive Violence	52
2.1.4 The Sociological Approach.....	63
2.1.5 Summary	71
2.2 The Great Decline: Violence in History	72
2.2.1 The Distant Past	72
2.2.2 Historical Evidence on Violence in Empires and Early States ...	79
2.2.3 Homicidal Violence in Emerging Modern States	81
2.2.4 Hobbesian and Non-Hobbesian Interpretations.....	84
2.2.5 Summary	87
2.3 The Great Surge: Coercive Capacity in History	87
2.3.1 Military Competition and State-Building in Early Modern Europe	88
2.3.2 The Surge: Money, Men, Materiel, and the Military	90
2.3.3 Monopolizing Violence.....	92
2.3.4 Non-European State-Building.....	97
2.3.5 The World Today: Strong Leviathans, Weak Leviathans	101
2.3.6 Summary	105

2.4 Quantitative Research on Coercive Capacity and Intrastate Violence.....	106
2.4.1 Homicidal Violence	108
2.4.2 Civil War	112
2.4.3 Comprehensive Approaches to Intrastate Violence.....	115
2.4.4 Summary	116
2.5 The Research Gap.....	117
3 Theoretical Framework	119
3.1 Intrastate Violence.....	119
3.1.1 Lethal Physical Violence	119
3.1.2 Delimitations: Territoriality, Legality, and Legitimacy	122
3.1.3 Violence Across Space and Time: Fatality Rates	125
3.2 The State and Coercive Capacity	126
3.2.1 The State as a Unit of Analysis	126
3.2.2 Coercive Capacity.....	132
3.2.3 Summary	140
3.3 The State's Coercive Capacity and Intrastate Violence: Hypotheses....	141
3.3.1 The Continuum of Violence	142
3.3.2 Sub-Dimensions of Intrastate Violence	144
3.3.3 Hypotheses	149
4 Research Design	152
4.1 Population of Cases, Data Structure, and Guidelines.....	153
4.2 Measuring Intrastate Violence (Dependent Variables).....	157
4.2.1 Political Violence	158
4.2.2 Non-Political, Homicidal Violence	162
4.2.3 Total Intrastate Violence	168
4.2.4 Overview and Discussion of Data.....	168
4.3 Measuring Coercive Capacity (Independent Variables)	182
4.3.1 Financial, Human, and Material Resources of the Military	182
4.3.2 The Coercive Capacity Index: Construction and Discussion	186
4.3.3 Centralization, Police, Paramilitary, and Conventional Proxies.....	194

4.4 Control Variables.....	202
4.4.1 Economic Development and Inequality	203
4.4.2 Non-Coercive State Capacity: Legitimacy, Bureaucracy, Taxation	206
4.4.3 Democracy and the Political System	209
4.4.4 Population Structure and Social Disorganization	214
4.5 Methods.....	218
4.5.1 Time-Series Cross-Section Data and Lagged Dependent Variables.....	219
4.5.2 Non-Stationarity, Heteroscedasticity, and Between Effects	226
4.5.3 Reverse Causality and the Structural Approach	230
4.5.4 The Fundamental Model of Intrastate Violence	233
5 Results	234
5.1 Bivariate Analyses	234
5.1.1 Coercive Capacity and Total Fatality Rates	234
5.1.2 Facets of Coercive Capacity and Dimensions of Intrastate Violence.....	239
5.1.3 Coercive Capacity and State-Based Armed Conflict.....	243
5.1.4 Causal Pathways: Coercive Capacity, Violence, and the Mobilization of Sub-State Groups.....	246
5.2 Assessing the Fundamental Model of Intrastate Violence.....	249
5.3 Robustness Checks and Extensions.....	257
5.3.1 Temporal Dynamics and Causality	258
5.3.2 Omitted Variable Bias and Additional Controls	265
5.3.3 Missing Values, Regional Bias, and Outliers.....	271
5.3.4 Temporal Within-Variation on the State-Level.....	280
5.3.5 Properties of the Dependent Variable.....	282
5.3.6 Interactions: Democracy, Economy, and Coercive Capacity	284
5.3.7 Military Intervention, Peacekeeping, and Intrastate Violence	296
5.4 Sub-Dimensions of Coercive Capacity and Intrastate Violence	300
5.4.1 Sub-Dimensions of the Coercive Capacity Index	300
5.4.2 Centralization, Police, and Paramilitary	302
5.4.3 Conventional Proxies for Coercive Capacity	304
5.5 Coercive Capacity and Sub-Dimensions of Intrastate Violence	308
5.5.1 Homicide	308
5.5.2 State-Based Armed Conflict and One-Sided Violence	310

6 Conclusion	319
6.1 Summary of Results.....	319
6.2 Contributions to the Understanding of Intrastate Violence	322
6.2.1 A Hobbesian World	322
6.2.2 Bridging the Gap Between Political Science and Sociology	323
6.2.3 Progress in Measuring Coercive Capacity.....	324
6.2.4 Reconsiderations and Corrections.....	324
6.3 Limitations of the Approach.....	329
6.3.1 Units of Analysis, Theoretical Concepts, and Proxies.....	329
6.3.2 Methods	332
6.4 Practical Implications: Military Aid and Intervention	333
6.4.1 Non-Political Violence and Domestic Security	333
6.4.2 Aiding the Military.....	334
6.4.3 Perfect Storms.....	336
6.4.4 Dilemmas of State-Building.....	337
6.4.5 Aid or Intervention?	340
6.4.6 A Better World	341
References	343
Appendix	385

List of Tables

Table 2.1:	Increase in Military Manpower, 1470–1710	91
Table 2.2:	Signs and Significance of Coefficients of Military Indicators in Cross-National Regressions on Homicide Rates	111
Table 4.1:	States Featured in Empirical Analyses	155
Table 4.2:	Ancillary Variables, 1988–2013	157
Table 4.3:	Original Dependent Variables, Fatality Rates, 1989–2014	169
Table 4.4:	Total Intrastate Violence Fatality Rate, Mean Values, 1989–2014	174
Table 4.5:	Dependent Variables, Fatality Rates, 1988–2013	180
Table 4.6:	Pearson’s r for Bivariate Correlations between Principal Indicators of Coercive Capacity, 1988–2013.....	186
Table 4.7:	Original Independent Variables, 1988–2013.....	187
Table 4.8:	Independent Variables and the Coercive Capacity Index, 1988–2013	188
Table 4.9:	Coercive Capacity Index, Mean Values, 1988–2013.....	192
Table 4.10:	Original Additional Metric Independent Variables on Police, Paramilitary, and Coercive Capacity, 1988–2013	199
Table 4.11:	Additional Independent Variables on Centralization, Police, Paramilitary, and Coercive Capacity, 1988–2013....	200
Table 4.12:	T-Test of Coercive Capacity Index over Presence of Informal Pro-Government Militias, 1988–2013	201
Table 4.13:	Bivariate Correlations between Coercive Capacity Index and Additional Indicators of Coercive Capacity, Pearson’s r , 1988–2013	201
Table 4.14:	Control Variables: Economic Development and Inequality, 1988–2013	206
Table 4.15:	Control Variables: Non-Coercive State Capacity, 1988–2013	209
Table 4.16:	Control Variables: Political System Traits, 1988–2013	214
Table 4.17:	Control Variables: Population Structure and Social Disorganization, 1988–2013.....	217
Table 5.1:	Quartiles of Coercive Capacity Index and Total Fatality Rates, Cross-Tabulation of Cases, 1988–2013	235

Table 5.2:	Pairwise Bivariate Correlations of Dimensions of Coercive Capacity and Dimensions of Intrastate Violence, Pearson's r, 1988–2013	240
Table 5.3:	Quartiles of Coercive Capacity Index and State-Based Armed Conflict, Cross-Tabulation of Cases, 1988–2013	244
Table 5.4:	Means of State-Based Armed Conflict Fatality Rate and Total Fatality Rate per Quartiles of Coercive Capacity Index, 1988–2013	244
Table 5.5:	Quartiles of Police Officers per km ² and State-Based Armed Conflict, Cross-Tabulation of Cases, 1988–2013	245
Table 5.6:	Quartiles of Paramilitary Personnel per km ² and State-Based Armed Conflict, Cross-Tabulation of Cases, 1988–2013.....	245
Table 5.7:	Number of Sub-State Groups per Quartiles of Coercive Capacity Index, Mean Values	248
Table 5.8:	Pairwise Bivariate Correlations of Total Fatality Rate and Number of Sub-State Groups, 1988–2013	249
Table 5.9:	Regression Analyses of Total Fatality Rate, 1988–2013	250
Table 5.10:	Regression Analyses of Total Fatality Rate, 1988–2013	259
Table 5.11:	Regression Analyses of Total Fatality Rate and Combined Homicide/State-Based Armed Conflict Fatality Rate.....	261
Table 5.12:	Regression Analyses of Total Fatality Rate, 1988–2013	267
Table 5.13:	Regression Analyses of Total Fatality Rate, 2006–2013	271
Table 5.14:	Regression Analyses of Total Fatality Rate, 1988–2013	273
Table 5.15:	Regression Analyses of Total Fatality Rate, 1988–2013	275
Table 5.16:	Regression Analysis of Total Fatality Rate, Logit Regression of High Total Intrastate Violence, Poisson Regression and Negative Binomial Regression of Absolute Number of Intrastate Violence Fatalities, 1988–2013	283

Table 5.17:	Regression Analyses of Total Fatality Rate, 1988–2013	291
Table 5.18:	Regression Analyses of Total Fatality Rate, 1988–2013	295
Table 5.19:	Regression Analyses of Total Fatality Rate, 1989–2005 and 2000–2014.....	298
Table 5.20:	Regression Analyses of Total Fatality Rate, 1988–2013	301
Table 5.21:	Regression Analyses of Total Fatality Rate, 1988–2013	303
Table 5.22:	Regression Analyses of Total Fatality Rate, 1988–2013	305
Table 5.23:	Comparison of Coefficients of Proxies for Coercive Capacity in the Fundamental Model.....	307
Table 5.24:	Regression Analyses of Total Fatality Rate and Homicide Rate, 1988–2013.....	309
Table 5.25:	Regression Analyses of State-Based Armed Conflict Fatality Rate and State-Based One-Sided Violence Fatality Rate 1988–2013	311
Table 5.26:	Logit Regressions of Civil War Onset following Fearon and Laitin’s “Model 3”	314
Table 5.27:	Logit Regressions of Civil War Onset following Collier, Hoeffler, and Rohner’s “Model 4”	315
Table A.1:	Additional Information on Variables.....	385

List of Maps and Figures

Map 1.1:	Total Intrastate Violence Fatality Rate, Mean Values, 1989–2014	23
Map 1.2:	Military Coercive Capacity, Mean Values of Coercive Capacity Index, 1988–2013	33
Figure 1.1:	Magnitudes of Fatality Rates per Sub-Dimension of Intrastate Violence; Area of Rectangles Represents Size of Mean Values, 1989–2014	29
Figure 1.2:	Concepts and Indicators in the Empirical Research on Coercive Capacity and Intrastate Violence	31
Figure 2.1:	Payoffs in a Prisoner’s Dilemma	58
Figure 2.2:	Payoffs in a Prisoner’s Dilemma with Penalties	61
Figure 2.3:	Annual Rates of Deaths per 100,000 Population from Warfare, Genocide, and Homicide.....	77
Figure 2.4:	World Averages of Annual Rates of Violent Deaths per 100,000 Population	80
Figure 2.5:	Average Annual Rates of Deaths per 100,000 Population from Homicides in Europe	83
Figure 2.6:	Average Annual Rates of Deaths per 100,000 Population from Homicides in Europe and Mean Values of Military Manpower of Major European Powers	104
Figure 3.1:	Legality and Legitimacy of Lethal State Violence outside Times of War, Legitimacy based on Imbusch	124
Figure 4.1:	Homicide Rates during Armed Conflict and Episodes of One-Sided Violence, 1989–2014	172
Figure 4.2:	Fatality Rates by Sub-Dimensions of Intrastate Violence and Region, Mean Values, 1989–2014.....	176
Figure 4.3:	Total Intrastate Violence Fatality Rate per Region and Time Period, Mean Values.....	178
Figure 4.4:	Total Intrastate Violence Fatality Rate per Year, Global Mean.....	179
Figure 4.5:	Total Intrastate Violence Fatality Rate, 1989 and 2013.....	181
Figure 4.6:	Coercive Capacity Index, 1988 and 2013	189
Figure 4.7:	Coercive Capacity Index per Year, Global Mean.....	190
Figure 4.8:	Coercive Capacity Index per Region and Time Period, Mean Values	194

Figure 5.1:	Boxplot of Total Fatality Rate per Quartiles of Coercive Capacity Index.....	236
Figure 5.2:	Scatterplot of Coercive Capacity Index and Total Fatality Rate with Linear, Quadratic, and Fractional-Polynomial Predictions.....	237
Figure 5.3:	Scatterplot of Coercive Capacity Index and Total Fatality Rate with Regional Labels, Mean Values, 1988–2013	238
Figure 5.4:	Scatterplot of Coercive Capacity Index and Total Fatality Rate with Country Labels, Mean Values, 1988–2013.....	239
Figure 5.5:	Boxplot of Total Fatality Rate per Quartiles of Police Officers per km ²	242
Figure 5.6:	Boxplot of Total Fatality Rate per Quartiles of Paramilitary Personnel per km ²	243
Figure 5.7:	Coefficients of Model 2 with Standardized Independent Variables	252
Figure 5.8:	Absolute Values of Coefficient of LDV and Coercive Capacity Index in Model 3 and Number of Observations per Years of Lag of LDV.....	253
Figure 5.9:	Coefficients of Model 3 with Standardized Independent Variables.....	254
Figure 5.10:	Coefficients of Model 7 with Standardized Independent Variables.....	262
Figure 5.11:	Boxplot of Total Fatality Rate per Quartiles of Coercive Capacity Index and Region, 1988–2013.....	278
Figure 5.12:	Scatterplot Coercive Capacity Index and Coercive Capacity Index per Population, 1988–2013	279
Figure 5.13:	Total Fatality Rate and Coercive Capacity Index, Selected States 1988–2013	281
Figure 5.14:	Total Fatality Rates per Political System Traits and Tertiles of Coercive Capacity Index, 1988–2013	287
Figure 5.15:	Total Fatality Rates per Values on the Polity 2-Scale, 1988–2013	289
Figure 5.16:	Total Fatality Rates per Tertiles of Economic Development and Tertiles of Coercive Capacity Index, 1988–2013	294
Figure 5.17:	Quadratic Prediction of Total Fatality Rate per Coercive Capacity Index and per Military Expenditure per Population	308

