## Soldiers' Funerals Increase Nationalism: Evidence from a Natural Experiment in Turkey\*

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October 11, 2024

Preliminary; please do not cite or circulate.

#### **Abstract**

Soldiers' funerals are a powerful symbol of sacrifice. We investigate how these funerals influence public opinion and political behavior. On the one hand, soldiers' funerals could undermine support for the conflict and government (the "casualties hypothesis"); on the other hand, this exposure to violence could increase antipathy toward out-groups and galvanize support for the campaign. This empirical question is difficult to answer: in many settings, more hawkish constituencies send more soldiers to the front lines, generating selection bias. We provide new causal evidence from Turkey, where military service is compulsory for men, and soldiers are randomly assigned to posts across the country. Some military posts are peaceful, while others are on the front lines of conflicts with Kurdish insurgents or the Islamic State, providing as-if random variation in which districts lose soldiers and host state-organized funerals. Following soldiers' funerals, we show that attitudes become more hawkish — support for coercive "solutions" to the insurgent conflict increases by 28% — and hostile to the political integration and equality of Kurds. Public displays of nationalism, including street protests and attacks against the pro-Kurdish party, also double after funerals. Despite these attitudinal and behavioral shifts, the funerals decrease the vote share of the nationalist party by an additional point, with a corresponding increase for the incumbent party. We suggest this entails both strategic campaigning from the incumbent and strategic voting from the public: the AKP emphasize the importance of stability during conflict, encouraging voters to prioritize electing a majority government to aggressively prosecute the conflict rather than risk unpredictable coalition bargaining during a period of escalating violence.

<sup>\*</sup>We thank Sigrid Weber for feedback, as well as seminar audiences at EPSA, the Hertie School, USC, and UCLA.

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### 1. Introduction

State-orchestrated funerals for fallen soldiers serve as potent symbols of sacrifice during wartime. Beyond honoring the dead, these rituals can affect public opinion about an ongoing conflict and, thus, shape leaders' incentives to fight on or deescalate. However, the existing literature in political science provides mixed predictions about how the public will respond to soldiers' funerals during a civil conflict. One set of studies, which draws heavily on the US experience, finds that soldiers' deaths undermine support for the incumbent government and its war efforts (e.g., Gartner and Segura 2000; Kriner and Shen 2012; Johns and Davies 2019; Richard et al. 2023). But another body of work finds that exposure to violence during civil conflicts makes voters more nationalistic, less favorable toward peace or out-groups (e.g., Canetti et al. 2017; Getmansky and Zeitzoff 2014; Hadzic et al. 2020). Two studies from our own case, Turkey, focus on different periods of recent history and find mixed results: Umit (2023) shows that soldiers' funerals increase support for the incumbent, while Kibris (2011) reports the opposite.

This is a difficult causal question to answer. In many settings, hawkish or pro-government constituencies may enlist more soldiers who serve on the front lines of these conflicts, generating selection bias. We leverage a unique natural experiment in Turkey where military service is mandatory for all adult males, and recruits are randomly assigned to posts across the country. Some of these military posts are peaceful during our study period in 2015, while others are on the front lines of renewed conflict with Kurdish insurgents or incursions by the Islamic State. This generates as-if random variation in which districts lose soldiers and host state-organized funerals. We pair this design with survey data on individual attitudes, event-level data on direct actions by nationalist groups, and electoral outcomes — the last being the only outcome measure in many past studies.

We find, first, that soldiers' funerals increase support for coercive "solutions" to the conflict with Kurdish insurgents and undermine support for peace and the political recognition of Kurds in Turkey. Second, we show that funerals provoke political violence by nationalist groups, who are more than twice as likely to attack the main pro-Kurdish party and stage street protests. Finally, despite these attitudinal and behavioral shifts, the funerals decrease the vote share of the nationalist MHP party by an additional point, with a corresponding increase for the incumbent AKP party. We argue that this electoral outcome does not contradict our first two findings. In the later election, the AKP adapted their strategy and tacked hard to the right, promising a violent response to Kurdish and Islamist insurgents, and appealed to MHP supporters' desires for political stability. Amid an escalating civil conflict and the AKP's strategic messaging, nationalist voters swung for the AKP, electing a majority government that could avoid fraught coalition bargaining and focus instead on aggressively prosecuting the conflict.

We make two contributions. First, we provide causal evidence that soldiers' funerals during civil conflicts inflame nationalism (see also Hintson and Vaishnav 2023; Arya and Bhatiya 2023 for other recent examples). Despite some counter-protests at the funerals, these state-orchestrated ceremonies had the effect of galvanizing support for the AKP's fight against Kurdish insurgents and their allies. Second, we combine data on attitudes, direct action, and voting to provide a more complete accounting of the funerals' political consequences. Past studies (often due to availability) only investigate electoral outcomes. We show that,

due to strategic considerations, parties' vote shares may not be a reliable proxy for voters' attitudes or policy preferences: heightened nationalism did not bolster Turkey's ultra-nationalist MHP.

### 2. Prior Research

### 2.1 Theoretical Ambiguity

Our work relates to two strands of research on the political consequences of conflict. The first studies how soldiers' deaths affect public support for the associated conflict and incumbent government. The second studies how exposure to violence (i.e., victimization or the threat thereof due to proximate fighting) during civil conflicts affects support for the associated conflict and attitudes toward the warring parties. These literatures do not generate a clear prediction as to how the public will react to soldiers' deaths in a civil conflict. On the one hand, the funerals could undermine support for the conflict and government; on the other hand, they could increase antipathy toward out-groups and galvanize support for the campaign.

Sometimes referred to as the "casualties hypothesis", research finds that soldiers' deaths undermine support for military campaigns and the incumbent government (Burk 1999). While much of this work studies US voters' reactions to soldiers' deaths in overseas conflicts (Gartner 2008b; Gelpi et al. 2009; Rand 2020), similar findings have been reported in other contexts (Gribble et al. 2015; Levy 2012; Getmansky and Zeitzoff 2014). Voters' anti-war and anti-incumbent reactions are stronger in the home districts of fallen soldiers (Gartner and Segura 2000; Karol and Miguel 2007; Gartner 2008a; Kriner and Shen 2012; Johns and Davies 2019). Kriner and Shen (2014) report that politicians in states suffering more casualties stake more anti-war positions.

There is less consensus about how exposure to violence during civil conflict affects voters' attitudes and behavior. Recent studies from Colombia (Tellez 2019; Kreiman and Masullo 2020) and Sudan (Hazlett 2020) suggest that exposure has a pacifying effect. This research comports with the literature on casualties, suggesting that exposure to violence leaves the public war-weary and inclined to support peace. Yet, these studies contrast with findings that greater direct exposure to violence during civil conflict makes individuals more militaristic, reduces support for peace, and increases support for right-wing parties. Canetti (2017) summarize, contending that exposure to violence generates a "conflict-supporting ethos" that delegitimizes the out-group, efforts to find compromise, and peaceful resolutions to the conflict. "Exposure to traumatizing events," they contend, "prompts a significant conservative ideological shift, which is strongly associated with increased desires for revenge, militarism, racism, and violence" (942). Research on Israeli and Palestinian public opinion supports this claim (Canetti et al. 2017; Getmansky and Zeitzoff 2014; Hirsch-Hoefler et al. 2016), as does work in Bosnia (Hadzic et al. 2020), Northern Ireland (Hayes and McAllister 2001), Rwanda (Pham et al. 2004), Uganda (Vinck et al. 2007), and Vietnam (Kocher et al. 2011).

Political entrepreneurs also attempt to influence how the public reacts to violence. Most relevant to our study are rituals that honor or memorialize those killed during a conflict, which both remind the public of the conflict's cost, but also present that loss (and the associated military campaign) as a commendable sacrifice (Rashid 2020). Recent studies from India disagree about the electoral consequences of these funerals:

<sup>1.</sup> Other research focuses on the public's reaction to the initiation of conflict. Early work reported a "rally around the flag" effect, but Seo and Horiuchi (2022) find that the initiation of disputes reduces support for national leaders.

Hintson and Vaishnav (2023) find a decline in government vote share in areas closer to funerals, while Arya and Bhatiya (2023) report a sizeable increase. Two studies from Turkey during different times periods also produce mixed findings: Kibris (2011) finds that an incumbent (coalition) government is penalized by voters more exposed to soldiers' funerals, whereas Umit (2023) reports an increase in support for a more recent (and majority) incumbent government. While voting is an important outcome, it does not (as we will show below) necessarily reflect attitudinal changes, especially where electoral institutions and strategic considerations dissuade voters from selecting the party that best reflects their policy preferences.

#### 2.2 Empirical Challenges

These literatures are dogged by two empirical challenges. First, wartime casualties are not randomly assigned, and an individual's exposure to violence or soldiers' funerals could be related to their baseline political attitudes (Hazlett 2020; Kocher et al. 2011). More hawkish constituencies could enlist more soldiers or enlist soldiers who opt for higher-risk occupations or arenas. Either of these dynamics would generate selection bias.

Second, during civil conflicts, these treatments — soldiers' deaths and exposure to violence — cannot always be separately studied. Enlistments may be higher from communities close to the front lines. Residents of these front-line communities would, thus, be more likely to directly experience violence and know soldiers' killed in action. This makes it difficult to disentangle whether effects on attitudes and behavior are driven by direct or indirect exposure to violence.

#### 3. Turkish Case

The Turkish case allows us to overcome these empirical challenges and estimate the causal effect of soldiers' funerals on political attitudes and behavior.<sup>2</sup> Military service is compulsory for men in Turkey, and soldiers are randomly assigned to posts across the country.<sup>3</sup> This assignment is carried out by computers and is independent of conscripts' characteristics, including their hometowns.<sup>4</sup> The Turkish Ministry of Defense and General Staff emphasize that the process is unbiased; for example, a first cousin of the then Secretary of the State was killed by a PKK attack while on compulsory duty at a high-risk post. Trust in the military, which is among the most revered institutions during our study period, derives in part from the perception that it does not allow status to distort the deployment of soldiers.

The Turkish State and PKK, a Kurdish insurgent group, have fought a civil conflict in the eastern part of the country since 1984.<sup>5</sup> After a two-year ceasefire, this conflict recommenced in July 2015. Soldiers sent to this eastern front faced a higher risk of being killed than other soldiers. When security forces are killed, the central government organizes a funeral for them in their home district; families do not self-select

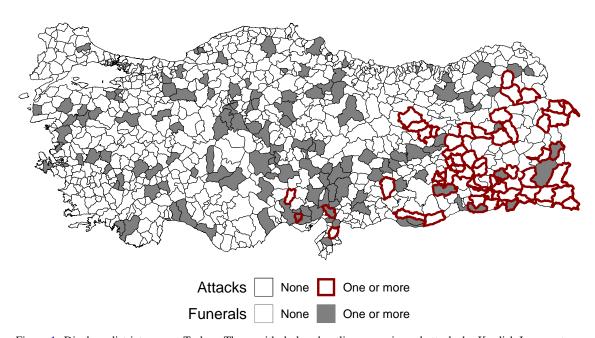
<sup>2.</sup> While most funerals we study are for soldiers, we include funerals for all security forces as in Kibris (2011) and Umit (2023). Our findings are robust to excluding the small number of districts that only host funerals for fallen police officers (whose deployments are also randomized) and not soldiers (see results in Appendix Section E). Appendix Section A describes how we compiled data on attacks and funerals.

<sup>3.</sup> For our study period, conscripts can be deployed anywhere in the country. However, in 2019, regulations underwent changes that restricted the deployment locations.

<sup>4.</sup> https://static.turkiye.gov.tr/downloads/kurumlar/msb/ERBAS\_VE\_ERLERIN\_YASAL\_HAKLARI.pdf

<sup>5.</sup> Romano (2006) and Tezcür (2010) offer a thorough description of the conflict, including insurgents' motivations (Tezcür 2016).

into these ceremonies.<sup>6</sup> The combination of conscription, randomized deployments, and state-organized funerals results in as-if random exposure to soldiers' funerals across Turkish districts (conditional on the male, service-age population). Figure 1 shows the geographic concentration of attacks in eastern Turkey during our study period in 2015, which contrasts with the wide dispersal of funerals.



**Figure 1:** Locations of attacks and soldiers' funerals (Jun–Nov 2015)

Figure 1: Displays districts across Turkey. Those with dark red outlines experienced attacks by Kurdish Insurgents or the Islamic State during our study period. Districts filled with grey hosted one or more funerals for soldiers killed in these attacks. Appendix Section A.1 describes how we compiled these data.

Funerals for security forces, who are referred to as "martyrs", are announced through mosques (similar to a call for prayer) within a soldier's home district. The ceremony is typically held in the largest mosque or the largest square in that district. It includes a prayer, which is often attended by thousands of men. The security force's father accepts condolences and often gives a brief speech, frequently emphasizing the honor of serving and sacrificing for one's country. Other close family typically sit near the coffin (though female relatives cannot attend the prayer), and children generally wear a military-style uniform. Many districts have a special cemetery for martyrs. After the security force is buried, the family accepts additional condolences from politicians, high-level bureaucrats, and other citizens. Although the ceremony is organized by the governing party — the AKP during our study period — most political parties attend. While ceremonies sometimes receive national media attention, they are more consistently and extensively covered by local news. Turkish Provinces typically have at least one local newspaper.

<sup>6.</sup> Four soldiers' deaths (roughly 2%) during our study period occur in confrontations with the Islamic State in eastern Turkey. The state-organized funeral ceremony is the same for soldiers killed in action with the PKK, Islamic State, or in accidents while on duty, so we include all such funerals when coding our treatment variable (see Appendix Section A).

<sup>7.</sup> Only men can attend the prayer. For this reason, we look at heterogeneous effects by gender in Appendix Table A.2.

We focus on 2015 for two reasons. First, this period provides unique outcome data, including results from two general elections (in June and November); a poll in September 2015 that asked specifically about individuals' attitudes towards the conflict with the PKK and the political integration of Kurds; and geolocated protests and riots. Together these data allow us to analyse attitudes and behaviours beyond voting.

Second, due to the initiation of peace talks, there was a ceasefire between the government and PKK between March 2013 and July 2015. After two years of peace, these negotiations failed in July 2015, and conflict resumed, leading to a relatively intense (if not unprecedented) number of casualties: 145 members of the Turkish Security Forces died between the general elections in June and November 2015 (see Appendix Figure A.1). The preceding two years of peace limit concerns about carryover effects from past funerals.<sup>8</sup> At other periods of this conflict, it is difficult to find a large number of constituencies that have not recently experienced a security force's funeral, restricting analysis to variation in the recency or number of funerals across districts. We would expect such limited variation in the timing or dosage of treatment to generate smaller differences in attitudes and behavior.

The political context in 2015 is important when interpreting voting behavior. Before the June 2015 election, the AKP had held power on its own since 2002. Yet, in the June election, they only won 40.9%, which did not supply enough seats to form a majority government. Immediately after the election, the leader of the nationalist MHP rejected a coalition with the AKP. This thwarted coalition talks and prompted the President to call for another election in November. In the November 2015 election, the AKP won 49.5% of the votes and was able to independently form a government.

As one might expect from the existing scholarship, the political consequences of these ceremonies are uncertain and debated within Turkey. On the one hand, "these funerals create national solidarity among state elites, military officials and general public which glorifies death rather than question it. Martyr funerals mobilize people around the feeling of a shared grief and serve as platforms for the public display of nationalist feelings" (Bayhan 2011). This comports with findings that violence during civil conflicts can engender solidarity and militarism. On the other hand, these funerals highlight the (local) costs of the conflict. During our study period, some of these ceremonies were the sites of discontent, in which citizens and sometimes members of the martyr's family expressed outrage at the government. A prominent (left-leaning) political commentator, Ilhan Tanir observed: "For three years the AKP have been talking about how peace is necessary and how the mums shall not cry anymore. That's such a powerful argument that the people believed in it. I think as we see more and more soldiers coming back in coffins, we'll see a bigger and bigger backlash," which is consistent with the "casualties hypothesis". 9

### 4. Data

We collect information on security forces' funerals between June and November 2015 (see Appendix Section A.1). Out of 970 districts, 142 of them experienced at least one funeral ceremony; we code these 142 districts as treated, and all others as controls. The location of funerals is unrelated to the location of

<sup>8.</sup> Randomized deployments imply that any carryover effects should be balanced across treatment and control constituencies.

<sup>9.</sup> Weise, Zia, "Turkey's War in the East Has Killed 60 Soldiers a Month. Their Families Blame the Government," *The World*, August 26, 2015, https://theworld.org/stories/2015-08-26/turkey-s-war-east-has-killed-60-soldiers-month-their-families-blame-government.

violence: we examine the effects of funerals that took place in the hometown of martyrs, which is independent of where the attacks happened. There is not enough variation in the number of funerals to estimate dose-response models: over 80 percent of treated districts only host a single funeral during our study period.

As-if random assignment of treatment to districts is conditional on the number of military conscripts. Following Umit (2023), we account for districts' service-age male population in cross-sectional regressions. Using the procedure recommended by Kerwin et al. (2024), we use randomization inference to conduct an omnibus test of balance. After conditioning on service-age male population, we cannot reject the null that district-level covariates, including several demographic variables, latitude and longitude, and nightlights, do not predict whether a district is treated. In Appendix Section B.1, we also show that no individual-level characteristics predict treatment status among survey respondents, which are sampled from a subset of districts.

Our first set of outcomes is individual attitudes toward the conflict with Kurdish insurgents measured in a nationally representative poll that was conducted in September 2015 (see Appendix Section A.2). The second set of outcomes are behavioral, and measure attacks on the pro-Kurdish HDP party (e.g., vandalism of party offices), as well as nationalist protests. (see Appendix Section A.3). Finally, we analyze district-level election results from the Supreme Election Council.

#### 5. Results

## 5.1 Attitudes toward Conflict and Kurdish Rights

We first examine changes in attitudes using survey data from September 2015. We focus on two families of outcomes: (1) whether people believe the conflict with Kurds should be resolved peacefully or through military force and (2) whether they support political recognition and rights for Kurds.<sup>10</sup> These families aggregate responses to related survey questions by constructing mean-effects indexes (Kling et al. 2007).<sup>11</sup> Table 1 reports the effects on these indexes and their sub-components.

We leverage the (conditionally) as-if random assignment of funerals across districts by estimating the following model:

$$y_{id} = \alpha + \beta \mathbb{1}(\text{Funeral before Survey})_d + \gamma \mathbf{X}_i + \phi \text{ Male Pop.}_d + \varepsilon_{id}$$
 (1)

where i indexes respondents and d indexes the 123 districts in the survey sample. The variable  $\mathbb{1}(\text{Funeral before Survey})_d$  indicates whether a funeral took place in a respondent's district prior to the survey. We include a measure of districts' service-age male population, as well as individual covariates  $(X_i)$  to increase precision. Standard errors are clustered at the district level, which is the unit of assignment.

<sup>10.</sup> In Appendix Table A.1, we find that the funerals also significantly increase trust in government. This effect is challenging to interpret, as "government" could be interpreted by the respondent to mean the military and other state bodies or the incumbent administration.

<sup>11.</sup> If a respondent only answers some questions included in an index, Kling et al. (2007) recommend imputing missing responses using the group-specific mean. For this reason, the index has at least as many observations as any sub-component.

<sup>12.</sup> To avoid dropping observations due to missing covariates, we use the missing-indicator procedure recommended by Chang et al. (2023).

Table 1 shows a substantial and statistically significant increase in hawkishness: respondents are 28% more likely to support a coercive "solution" to the conflict with Kurdish insurgents, and support for peaceful approaches falls by a corresponding 25%. On a five-point scale, respondents' belief that the state must "destroy terrorism" increases by 0.4. The corresponding index increases by 0.34 (control-group) standard deviations. We also find reduced support for the political recognition of Kurds: this index decreases by 0.22 standard deviations. This change is driven by two sub-components: after soldiers' funerals, respondents are more likely to deny that the Turkish state treats Kurds unequally, and they are less likely to recommend political equality or recognition as solutions to the conflict. Funerals reduce support for equal rights for Turks and Kurds, but this decline is smaller in magnitude and not statistically significant. Appendix Table A.2 shows larger effects on both indexes among men — a difference that is statistically significant for our index of political recognition. If

**Table 1:** Attitudes become more hawkish, hostile to Kurdish political recognition

| Outcome                                     | Control<br>Mean | $\widehat{oldsymbol{eta}}$ | SE   | p    | N     | Clusters |
|---|-----------------|----------------------------|------|------|-------|----------|
| Supports Military Response*                 | 0.00            | 0.34                       | 0.08 | 0.00 | 3,130 | 123      |
| Solution requires 'destroying terrorism'    | 3.33            | 0.40                       | 0.10 | 0.00 | 3,082 | 123      |
| Solution is coercive                        | 0.29            | 0.08                       | 0.04 | 0.05 | 2,701 | 123      |
| Solution is peaceful                        | 0.44            | -0.11                      | 0.03 | 0.00 | 2,701 | 123      |
| Supports Political Recognition*             | 0.00            | -0.22                      | 0.08 | 0.01 | 3,134 | 123      |
| Support changing constitution               | 2.76            | 0.05                       | 0.18 | 0.77 | 3,069 | 123      |
| Solution requires equality/recognition      | 0.09            | -0.04                      | 0.02 | 0.02 | 2,701 | 123      |
| State currently discriminates against Kurds | 2.92            | -0.45                      | 0.16 | 0.00 | 3,077 | 123      |
| State should treat Turks and Kurds equally  | 3.77            | -0.07                      | 0.08 | 0.43 | 3,082 | 123      |

Table 1: Results from Equation 1 estimated with OLS and covariate adjustment for age, class, education, gender, past voting, and religion.  $\hat{\beta}$  is the ATE of residing in a district that hosted a soldier's funeral before the September 2015 survey. Appendix Section A.2 describes the survey data and questions.  $\star$  denotes mean-effects indices constructed per Kling et al. (2007). Standard errors are clustered at the district-level.

We find in Appendix Table A.3 that, after soldiers' funerals, Turks identify less as citizens (-13 p.p.), which is an identity they share with Kurds. By contrast, Kurds are more likely to identify as citizens (4 p.p.) and downplay their ethnic identities (-10 p.p.), though neither effect is significant in our smaller sample of Kurds. This is more suggestive evidence of the Turks differentiating themselves from the Kurdish minority.

In Appendix Table A.4, we show that there are no differences in attitudes between never-treated districts and nine yet-to-be-treated districts that host soldiers' funerals *only after* the survey was enumerated. This null finding and the balance test we report in Appendix Section B.1 both bolster our assumption that funerals are unrelated to districts' demographic or political profiles. In Appendix Table A.5, we rule out meaningful spillovers to treatment-adjacent districts, though, in theory, spillovers would bias our estimates toward zero.

<sup>13.</sup> Coercive and peaceful are not exhaustive categories: respondents, for example, reject the need for any response, express uncertainty, or offer recommend responses that do not fit in either category.

<sup>14.</sup> There are many potential explanations for heterogeneous effects by gender. We note that men are over-represented among funeral attendees, and women cannot participate in parts of the ceremony.

### 5.2 Attacks against Pro-Kurdish HDP and Nationalist Protests

We next consider direct action by nationalist groups and sympathizers in the form of anti-Kurdish violence and street demonstrations. The pro-Kurdish HDP appealed to Turkey's Supreme Election Council to cancel the November 2015 elections, citing violent attacks against the party. In briefs submitted to the Council, the HDP provided the timing and location of attacks on HDP property and staff from June to November 2015. We then searched media sources to extend this event data back to February 2015 (see Appendix Section A.3). The attacks on campaign buildings and vehicles typically involved vandalism and arson, with perpetrators displaying Turkish flags. We do not include non-violent protests (e.g., rallies outside of HDP offices) in our measure of attacks, but instead utilize province-level data from Kahvecioğlu et al. (2023) on nationalist protests to investigate the effect of soldiers' funerals on nationalist mobilization. While demonstrations sometimes occur at soldiers' funerals, such events are not included in our measure of protests.

Panel data on attacks and protests events allows us to compare trends in areas with and without funerals — a difference-in-differences with staggered treatment timing. Specifically, we estimate:

$$y_{dt} = \alpha_d + \delta_t + \beta \mathbb{1}(\text{After Funeral})_{dt} + \varepsilon_{dt}$$
 (2)

where t indexes months and d indexes our cross-sectional units, which are 970 districts for the attacks data and 81 provinces for the protest data. We include unit and time fixed effects and a treatment indicator  $(\mathbb{1}(After \, Funeral)_{dt})$  that turns on after a district hosts a soldier's funeral. The unit fixed effects absorb features of districts (or provinces) that do not vary during 2015 (e.g., demographics); the time fixed effects account for changes over time that affect the likelihood of attacks or protests across all units, such as widely broadcast statements by the President or other political figures. This is a conventional two-way fixed effects model. We use the decomposition devised by Goodman-Bacon (2021) to show that our estimates do not rely on so-called "forbidden comparisons" that use units treated early in the study period as controls. Unsurprisingly then, our estimates are unchanged if we use newer estimators robust to heterogeneous treatment effects (see Appendix Figure A.4). We cluster our standard errors by either district or province.

Table 2 shows a large increase in the likelihood of an attack on the HDP. Prior to funerals, the monthly probability of an attack in treated districts is 0.03. The coefficient in Column 1 implies that this rate more than doubles after a soldier's funeral, with Figure 2(a) showing the largest increase in the month of the funeral, when the probability more than triples. It is exceedingly rare to see multiple attacks on the HDP within the same district and month, so our estimates are identical when we use a binary outcome and the count of attacks in Column 2.<sup>15</sup> We find a similar increase in the likelihood of nationalist protests at the province level. Prior to funerals, the monthly probability of a nationalist protest in treated provinces is 0.1. Our estimate in Column 3 implies that this rate more than doubles after a soldier's funeral, and Figure 2(b) shows the rate remains elevated for several months. The count of nationalist protests increases by 0.54 in Column 4, from one protest every six months to more than one every other month.<sup>16</sup>

<sup>15.</sup> In Appendix Table A.6, we find no evidence of spillovers to treatment-adjacent control districts.

<sup>16.</sup> We could not carry out the spillover analysis for nationalist protests because data is available at the province level and almost all control provinces are adjacent to treatment provinces. Since we see no indication of spillovers in all other analyses, it is also not likely for the nationalist protests.

Table 2: Security forces' funerals increase attacks on HDP and nationalist protests

|                   | Attacks      | on HDP       | Nationalist Protests |              | Student      | Protests     |
|-------------------|--------------|--------------|----------------------|--------------|--------------|--------------|
|                   | (Binary)     | (Count)      | (Binary)             | (Count)      | (Binary)     | (Count)      |
| After Funeral     | 0.044**      | 0.043**      | 0.183***             | 0.539***     | -0.033       | -0.178       |
|                   | (0.017)      | (0.017)      | (0.047)              | (0.136)      | (0.025)      | (0.108)      |
| Month FE          | $\checkmark$ | $\checkmark$ | $\checkmark$         | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| District FE       | $\checkmark$ | $\checkmark$ |                      |              |              |              |
| Province FE       |              |              | ✓                    | ✓            | ✓            | ✓            |
| Control Mean      | 0.019        | 0.019        | 0.085                | 0.131        | 0.062        | 0.169        |
| S.E. clustered by | District     | District     | Province             | Province     | Province     | Province     |
| Observations      | 9,700        | 9,700        | 810                  | 810          | 810          | 810          |

Table 2: Results from Equation 2 estimated with OLS using binary measures (odd columns) and counts (even columns). Coefficients are the ATT of having hosted at least one soldier's funeral in the current month or a preceding month in the study period. Appendix Section A.3 describes the attacks data, and the protest data comes from Kahvecioğlu et al. (2023). Due to availability, the unit of analysis is district-month for attacks against HPD (columns 1-2) and province-month for protests (columns 3-6); we cluster on the cross-sectional unit in the panel. The control mean is across all not-yet-treated and never-treated observations. Significance: \* p < 0.1, \*\*\* p < 0.05, \*\*\*\* p < 0.01

Figure 2: Event-study plots for attacks on HDP and nationalist protests

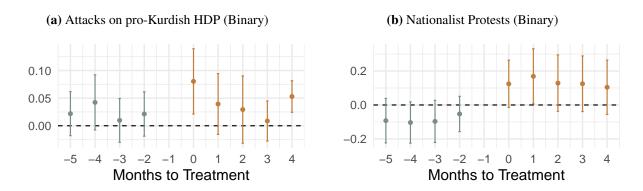


Figure 2: Event-study plots from models that include leads and lags of the treatment variable. Standard errors clustered on district in 2a and province in 2b. These use two-way fixed effects models to estimate anticipatory and dynamic effects of treatment; we implement the approach recommended by Sun and Abraham (2021) in Appendix Figure A.4.

Figure 2 not only shows how the effects evolve in the months after a soldier's funeral, but these event-study plots also show that there are no differential pre-trends, which helps to bolster the parallel-trends assumption. We report an additional placebo test in Columns 5 and 6, showing that treatment does not coincide with an increase in the frequency of student protests. This helps to rule out time-varying confounds; treated districts do not experience differential increases in other kinds of protest after funerals.

#### **5.3** Voting Behavior

Finally, we use district-level results from elections in June and November 2015 to examine the effects of soldiers' funerals on support for the AKP (incumbent), MHP (nationalist), and HDP (pro-Kurdish) parties,

as well as voter turnout. With only two time periods in this panel, we cannot take advantage of the staggered timing of funerals. We estimate a two-group, two-period difference-in-differences using the following model:

$$y_{dt} = \alpha_d + \delta_t + \beta \mathbb{1}(\text{One or More Funerals})_{dt} + \varepsilon_{dt}$$
 (3)

where d indexes the 970 districts and t indexes elections in June and November 2015. The variable  $\mathbb{1}(\text{One or More Funerals})_{dt}$  is a binary treatment indicating whether the district had at least one funeral between the two elections. Standard errors are clustered on district.

Similar to Umit (2023), we find that the AKP's vote share increases by an additional point in districts that hosted at least one funeral. In never-treated districts, the AKP's average vote share increases by 8.5 points (from 44.2 to 52.7) between the June and November elections. The differential increase caused by soldiers' funerals is modest relative to that nationwide swing. Unlike past work, we find in Column 2 that the nationalist MHP saw a statistically significant differential decline in their support. Not only are the effects on the AKP's and MHP's support of equal and opposite magnitude, but changes in AKP and MHP support are also strongly negatively correlated (see Appendix Figure A.5), suggesting that the AKP gained at the MHP's expense. These effects are not larger in districts that host funerals closer to the November election (see Appendix Figure A.6). We see no effect on support for the pro-Kurdish HDP and a modest, if statistically significant, effect on turnout, which averaged above 85% in both elections.

**Table 3:** Modest increase in support for the incumbent AKP

|   | AKP<br>(Incumbent)<br>Center right | MHP<br>(Nationalist)<br>Far right | HDP<br>(pro-Kurdish)<br>Left | Turnout                   |
|---|------------------------------------|-----------------------------------|------------------------------|---------------------------|
| At least one soldier's funeral                    | 0.997**<br>(0.384)                 | -1.045**<br>(0.380)               | 0.032<br>(0.285)             | 0.642***<br>(0.194)       |
| District FE<br>Election FE                        | √<br>√                             | √<br>√                            | <b>√ √</b>                   | <b>√</b> ✓                |
| Control Mean<br>S.E. clustered by<br>Observations | 48.2<br>District<br>1,940          | 14.9<br>District<br>1,940         | 11.7<br>District<br>1,940    | 85.7<br>District<br>1,940 |

Table 3: Results from Equation 3 estimated with OLS using vote shares and turnout on a scale from 0-100 from the Supreme Election Council. Coefficients are the ATT of having hosted at least one soldier's funeral between the June and November 2015 elections. Standard errors are clustered on district. The control mean is across all not-yet-treated and never-treated observations. Significance: \*p < 0.1, \*\*p < 0.05, \*\*\*p < 0.01

Conditional on the number of recruits, each district has the same treatment propensity. As robustness checks, we interact each district's male, service-age population with our election fixed effect (Appendix Table A.7). We also use entropy balancing, reweighting our control districts to have the same average male, service-age population as treated districts (Appendix Table A.8).<sup>17</sup> Both checks reaffirm our conclusions,

<sup>17.</sup> Appendix Table A.9 shows results when we entropy balance using a larger set of baseline variables, including province.

with the effect on MHP vote share appearing slightly more negative in these models. Again, we see no indication of spatial spillovers when we compare treatment-adjacent districts to less proximate untreated districts (Appendix Table A.10).

This last set of findings might seem puzzling: we find increases in nationalist sentiment and demonstrations, so why is the Nationalist Party losing more support after soldiers' funerals? These results are easy to reconcile when we consider the political context, party messaging, and voters' strategic choices (Onis 2016). The November vote was a snap election. The AKP won 41% in June and attempted to form a coalition government. However, the MHP publicly refused to partner, including "so many 'poison pills' in its coalition demands of the AKP that it negated any hope of compromise" (Stein 2015). MHP's leader earned the moniker Dr. No, and the AKP's campaign prior to the November polls stressed the need for "stability" and a majority government that could decisively respond to the country's security crisis. <sup>18</sup> Moreover, the AKP tacked to the right in an effort to peel off MHP supporters, cracking down on the PKK with airstrikes and arrests, even jailing some pro-Kurdish journalists. 19 And this worked: Koplow summarizes, "nationalist voters figured that they may as well vote for the suddenly ultra-nationalist [AKP] that will be the largest party rather than the ultra-nationalist [MHP] that will come in third."<sup>20</sup> This indicates that the incumbent AKP ran a strategic campaign emphasising the importance of stability and burnishing their nationalist credentials in the fight against the PKK. In turn, nationalist voters strategically swung from the MHP to the AKP, wanting to avoid the risks associated with coalition bargaining and elect a majority government that would aggressively prosecute civil conflicts with the PKK and Islamic State. This swing was nationwide, but we find that it was more pronounced in districts that hosted funerals for soldiers killed while fighting those insurgent groups. This interpretation comports earlier work by Kibris (2011), who finds that voters turn against the members of a coalition government in response to insurgent violence.

While this study serves as a compelling test of the casualties hypothesis outside the U.S., certain features of our case may limit its generalizability. Some characteristics might increase the likelihood or magnitude of the observed effects, while others could diminish them. First, in Turkey, large, state-led, public ceremonies honor soldiers funerals and the media covers these events extensively. These events and the coverage heighten the conflic's salience, potentially enhancing the impact of funerals relative to contexts where funerals are small family or community events. Second, in Turkey there is a clear domestic out-group (i.e., the Kurds) who can be targeted by nationalist sentiment and mobilization. This out-group becomes a focal point for nationalist anger which political parties use in their electoral campaigns to rally support. Moreover, as highlighted earlier, the decline in vote share of the nationalist party is also clearly context specific due to their alienation of voters by failing to form a coalition with the AKP after the June elections. In other contexts, it is possible that the rise in nationalist sentiment would be reflected in an increase in nationalist vote share, rather than the incumbent centre-right party. Lastly, conscription is also an important factor which shapes the public response. In contexts with voluntary military service, recruits may come from nationalist

<sup>18.</sup> Beauchamp, Zack, "Why Turkey's election results shocked all the experts," *Vox*, November 2, 2015, https://www.vox.com/world/2015/11/2/9659540/turkey-election-november-2015.

<sup>19.</sup> Pizzi, Mihchael, "AKP Retakes Control of Polarized Turkey," *Al Jazeera*, November 2, 2015, https://www.aljazeera.com/news/2023/2/8/turkey-earthquake-worse-than-the-bombardment-in.

<sup>20.</sup> Koplow, Michael, "A Quick Reaction to the AKP Victory," November 1, 2015, https://ottomansandzionists.com/2015/11/01/a-quick-reaction-to-the-akp-victory/.

areas leading to ceiling effects of the treatment. Similarly, where soldiers have joined voluntarily, the deaths may be perceived as an unwelcome but understandable part of military service, thus the nationalist backlash will potentially be more muted.

Although the above factors make our case a more likely context for finding effects, there are other aspects which push in the opposite direction. Firstly, the active civil war means that the country is already heavily treated with news about the conflict and deaths. This would potentially increase the control levels of nationalist sentiment in untreated areas, and reduce the relative effects of funerals in treated areas. Second, this is a context where there is a long history of intergroup violence with large numbers of casualties on both sides, so attitudes are likely to be deeply embedded and relatively resistant to change. In short, many people are already pre-treated with news about the conflict and martyrs, hence the additional effect of specific funerals might be more limited.

Based on the above factors, there are clearly some limitations to the generalizability of our study, as there are with any research focused on a specific case. Despite these limitations, we believe that the main finding - that public attitudes become more nationalist in response to deaths of soldiers - is likely to hold in many contexts beyond Turkey. Furthermore, by combining electoral results with other outcome measures our findings may help reconcile some discrepancy in other contexts that have relied heavily on election outcomes or politicians' approval ratings. The transmission mechanism from underlying preferences to voting preferences are not always direct on individual issues or attitudes (such as nationalist sentiment).

#### 6. Discussion

In conflicts across the globe, states orchestrate funerals for fallen soldiers. Politicians use these ceremonies to frame the loss as a necessary sacrifice for a greater purpose (Rashid 2020). Our results suggest that these rituals fuel public support for continued conflict, diminish the desire for peace and political integration, and provoke nationalist violence.

Leveraging a unique natural experiment in Turkey, we show that soldiers' funerals increase public support for hawkish and exclusionary policies and also political violence by nationalist groups. Despite these changes in attitudes and behavior, the soldiers' funerals do not generate a surge in electoral support for the nationalist MHP; rather, more voters swing to the incumbent AKP. We argue that the AKP was able to peel voters away from the MHP by tacking to the right and appealing to their desire for stability. Amid an escalating civil conflict, voters decided against supporting the smaller MHP and risking another uncertain round of coalition bargaining. They rally instead to the increasingly nationalist AKP, which is consistent with the changes in attitudes and direct action that we document.

More abstractly — but fully consistent with a large literature on strategic voting (Cox 1997) — we argue that electoral competition and party messaging influences voters, who do not always select their most ideologically aligned party. This point highlights the challenge of generalizing from our (or any) case: electoral institutions shape voters' reactions to soldiers' funerals. The success or failure of a nationalist party is, thus, an imperfect proxy for nationalist sentiment.

Beyond external validity, other shortcomings of our study might be addressed in future research. First, the vast majority of our districts host a single funeral. We cannot say whether multiple funerals amplify the

effects we report or, as losses accumulate, begin to undermine support hawkish policies or parties. Second, we cannot link funeral attendance to political attitudes and behaviors. We are unable to investigate how participation in these rites affects social networks and subsequent political behavior, as in Madestam et al.'s (2013) study of protest events.

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# **Supporting Information**

Soldiers' Funerals Increase Nationalism: Evidence from a Natural Experiment in Turkey

For online publication

## Contents

| A | Data Sources                          | <b>A2</b> |
|---|---------------------------------------|-----------|
|   | A.1 Security Forces Killed in Action  | A2        |
|   | A.2 Survey Data                       | A3        |
|   | A.3 Attacks on HDP                    |           |
| В | Analysis of Survey Data               | A5        |
|   | B.1 Balance Tests                     | A5        |
|   | B.2 Effects on Trust in Institutions  | A5        |
|   | B.3 Heterogeneous Effects by Gender   | A6        |
|   | B.4 Heterogeneous Effects on Identity | A6        |
|   | B.5 Placebo Test                      | A6        |
|   | B.6 Spatial Spillovers                | A7        |
| C | Analysis of Riots and Protests        | <b>A9</b> |
|   | C.1 Alternative Estimators            | A9        |
|   | C.2 Spatial Spillovers                |           |
| D | Analysis of Voting Behavior           | A11       |
|   | D.1 Descriptives                      | A11       |
|   | D.2 Robustness Checks                 |           |
|   | D.3 Proximity to Election             |           |
|   | D.4 Spatial Spillovers                |           |
| E | Excluding Police Funerals             | A16       |

#### A. Data Sources

## A.1 Security Forces Killed in Action

We collected information on funeral ceremonies. We based our data collection efforts on Kibris (2021). More specifically, Kibris (2021) offers the most detailed dataset on the attacks between PKK and Turkish security forces using national newspapers as well as national NGO reports. Considering possible biases in large cross-national datasets such as UCDP stemming from language limitations (Eck 2012), relying on Turkish resources endows significant advantages to collecting data on a conflict happening in Turkey. This dataset covers time, location, and the number of deaths on both sides separately as well as the resource of the information. The number of attacks and deaths of Turkish security forces in the period of our analysis is reported in Figure A.1. Taking the number of Turkish security forces deaths as our bases, we gathered the location information of martyr funeral ceremonies. We mostly relied on the resource information in Kibris (2021). We consulted national newspapers if the resource in Kibris (2021) does not provide information on the martyr funeral ceremony. For our period of analysis, there were 145 Turkish security forces deaths during the conflict and we gathered information for 144 of them. We could not find information only for one death. We also supplemented this with an extensive Google search of articles that include the terms "martyr" and "funeral" and we found 30 additional funeral ceremonies. Most of these are people who died in accidents on duty. We included them in the analysis because there is a ceremony for these people. However, when we exclude them from the analysis, the results are still very similar and support our findings. Districts that experienced at least one martyr ceremony are reported in Figure 1.

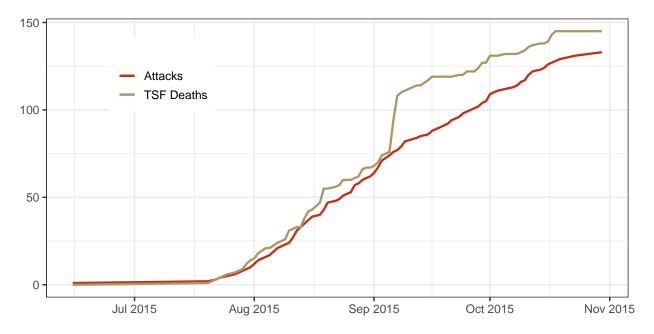


Figure A.1: Attacks and Deaths of Turkish Security Forces

### A.2 Survey Data

Survey data that we use comes from Konda Research and Consultancy, which is a leading survey and consultancy company in Turkey. Every year Konda carries out face-to-face 11 monthly surveys (excluding Ramadan). These are nationally representative surveys gathered with a stratified approach. While some basic questions such as demographics and vote preferences are asked every time, each survey also has a specific focus ranging from economics to environment. Konda makes these surveys available to researchers.<sup>21</sup> We use the survey data from September 2015, which focuses on attitudes toward the Kurdish issue. The questionnaire includes questions on attitudes toward conflict resolution and recognition of political rights, which are the main focus of our analysis.

We created an index of attitudes toward conflict resolution via three items as suggested by Kling et al. (2007). The first item is the participant's agreement with the statement "The only way to solve the Kurdish problem is to destroy terrorism" on a 1(strongly disagree)-5(strongly agree) scale. The second and third items are binary indicating whether the participant prefers a coercive or peaceful solution. Konda asked participants what should be done to solve the Kurdish problem and offered 31 different options. We categorized these options as coercive, peaceful, and other. PKK must be ended is an example of the coercive solution, there should be no discrimination is an example of the peaceful solution, and religion is an example of the other solution. While around 31% of participants preferred a coercive solution, around 42% of them preferred a peaceful resolution. For the index, higher values denote stronger preferences for coercive solutions.

For the political recognition of the Kurdish rights index, we used four items and adopted the same approach. Three items are the participant's agreement with the following statements on a 1(strongly disagree)-5(strongly agree) scale: The existence of Kurdish identity should be defined constitutionally by making changes to the constitution; There is a serious difference between Turks and Kurds in the eyes of the state in this country; and There should be no differences between Turks and Kurds in terms of rights, power and wealth. The final item is based on the question about the participant's preferences for the question of what should be done to solve the Kurdish problem. We created a binary variable for participants who preferred a solution that favored the political recognition of Kurdish rights (e.g., identity recognition/granting rights). For the index, higher values denote support for the recognition of Kurdish rights.

Konda mostly interviews participants on the weekend. The September 2015 survey was mostly conducted on the 5th and 6th of September. However, the exact date information is not available. On the 6th of September, there was a significant attack resulting in 16 Turkish soldier casualties. The attack was covered the whole day in the media and included information on the hometown of soldiers and planned funeral ceremonies. To prevent any possible contamination in the control condition, we excluded security forces deaths between the 6th and 11th of September. This way, we can ensure that participants in the control condition were not actually exposed to conflict casualties. However, when we also include these cases in the analysis, the results are still similar and supportive of the main argument.

<sup>21.</sup> For a list of papers that use Konda surveys, please see https://konda.com.tr/yayinlar?l=en.

#### A.3 Attacks on HDP

We collected information on attacks against HDP. Our starting point was HDP's appeal to the Supreme Election Council for the cancellation of the November elections. Because of the attacks against HDP prior to the November elections, HDP argued that they were disadvantaged and elections were not fair. In their appeal to the Supreme Election Council, they listed attacks against their party. This list is the base of our dataset. This list mostly covers attacks after the June and before the November elections. We complemented this list with an extensive Google search by limiting the timeframe to February-October 2015. We checked all the articles that include the terms "HDP", "attack", and "building". Most of the time, HDP offices were vandalized and arson, windows were broken, and Turkish flags were displayed. We did not consider cases when people gathered around in front of an HDP office chanting and protesting without any physical harm as an attack against HDP. We also considered attacks against HDP vehicles as attacks against HDP. Since our period of analysis is an election period, vehicles also carried party flags and posters of candidates. Thus, party vehicles were easily noticeable. To be considered as an attack, no need to harm lives. However, sometimes attacks against HDP offices are accompanied by attacks against HDP officials and even Kurds. We attempted to collect information on attacks against Kurds. However, reporting bias turned out to be a significant impediment for valid inferences.

## B. Analysis of Survey Data

#### **B.1** Balance Tests

**Districts** Using the procedure recommended by Kerwin et al. (2024), we use randomization inference to conduct an omnibus balance test with the full set of 970 districts. We permute the treatment vector and then regress the re-randomized assignment on pre-treatment covariates, including the literacy rate, average household size, birth rate, sex ratio, divorce rate, total area, agricultural area, latitude, longitude, a binary indicator for at least one natural disaster in the last six months, number of deaths in natural disasters in the last six months, and night lights as a proxy for economic development. We always condition on the serviceage, male population. (The list of covariates is determined by the availability of data.) We repeat this procedure 1,000 times and, in each iteration, test the joint null hypothesis that, conditional on the serviceage, male population, the other covariates do not predict treatment assignment. We then regress the actual treatment assignment on this same set of covariates. Comparing the test statistic from this last regression to the distribution recovered through re-randomization, we compute an RI p-value of 0.138. At conventional levels we cannot reject the null that district-level covariates predict treatment assignment after conditioning on the service-age male population.

**Survey Respondents** We run a similar omnibus balance for our sample of survey respondents. These are sampled from a subset of 123 districts. We also have richer individual-level data that we can use to assess balance. We regress our treatment indicator on pre-treatment covariates, including age, gender, education, father's education, household income, lifestyle (modern, traditional conservative, religious conservative), religion, ethnicity, rural or urban, vote choice in June 2015, and the size of the service-age male population in the district. Where covariates are missing, we implement the missing-indicator method described in Chang et al. (2023), centering all covariates, imputing the median, and including in the regression both an indicator for missingness and the interaction of that indicator with our treatment variable. We cluster our standard errors on district which is the unit of assignment. We fail to reject the joint null hypothesis (p = 0.92), indicating that the covariates do not jointly predict which districts are treated. We also fail to reject (p = 0.99) if we do not employ the missing-indicator approach and only analyze the sample of respondents with complete covariate data.

#### **B.2** Effects on Trust in Institutions

**Table A.1:** Trust in institutions increases

| Outcome                            | Control Mean | Estimate | SE   | p    | N     | Clusters |
|------------------------------------|--------------|----------|------|------|-------|----------|
| Trust in Institutions <sup>⋆</sup> | 0.00         | 0.32     | 0.13 | 0.01 | 3,124 | 123      |
| Trust in Government                | 2.53         | 0.31     | 0.09 | 0.00 | 3,114 | 123      |
| Trust in Political Parties         | 2.20         | 0.19     | 0.12 | 0.12 | 3,114 | 123      |
| Trust in Media/Press               | 2.01         | 0.41     | 0.20 | 0.04 | 3,111 | 123      |

Results with covariate adjustment using missing-indicator approach.

★: Mean-effects index per Kling et al.

## **B.3** Heterogeneous Effects by Gender

In Appendix Table A.2, we see that men's attitudes shift more dramatically in response to security forces' funerals. For our outcome families related to political recognition and trust in institutions, we can reject the null hypothesis that the effects are the same for men and women.

**Table A.2:** Heterogeneous effects by gender

|                            |  | Supports Military<br>Response | Supports Political<br>Recognition | Trust in Institutions |
|----------------------------|--|-------------------------------|-----------------------------------|-----------------------|
| One or more funerals       | Female   | 0.265***                      | -0.134                            | 0.214*                |
|                            |  | (0.090)                       | (0.086)                           | (0.116)               |
|                            | Male   | 0.401***                      | -0.298***                         | 0.420***              |
|                            |  | (0.093)                       | (0.085)                           | (0.152)               |
| Equivalence test p value ( | $H_0: \beta^{\text{Female}} = \beta^{\text{Male}}$ | 0.187                         | 0.011**                           | 0.035**               |
| Covariate Adjustment       | ,  | $\checkmark$                  | $\checkmark$                      | $\checkmark$          |
| S.E. clustered by          |  | District                      | District                          | District              |
| Observations               |  | 3,130                         | 3,134                             | 3,124                 |
|                            |  | *1*                           | . 0 1 44 . 0 07                   | *** . 0 01            |

\* p < 0.1, \*\* p < 0.05, \*\*\* p < 0.01

### **B.4** Heterogeneous Effects on Identity

Overall, we do not find that security forces' funerals affect whether respondents identify firstly as a Turkish citizen — an identity that Turks and Kurds share — or with their ethnic group. However, this masks divergent responses among Turks and Kurds. In Appendix Table A.3, we show suggestive evidence that Turks are 13 percentage points less likely to identify as citizens. By contrast, Kurds are 10 points less likely to identify firstly as Kurds, though this effect is not significant at conventional levels (p = 0.15).

Table A.3: Heterogeneous effects on identity for Turks and Kurds

| Outcome  | Control<br>Mean | Estimate | SE   | p    | N     | Clusters |
|--|-----------------|----------|------|------|-------|----------|
| Q: Which identity of yours comes before all of them? |                 |          |      |      |       |          |
| Turks  |                 |          |      |      |       |          |
| Citizen Identity                                     | 0.69            | -0.13    | 0.06 | 0.03 | 2,380 | 115      |
| Ethnic Identity                                      | 0.09            | 0.07     | 0.05 | 0.15 | 2,380 | 115      |
| Religious Identity                                   | 0.22            | 0.06     | 0.05 | 0.23 | 2,380 | 115      |
| Kurds  |                 |          |      |      |       |          |
| Citizen Identity                                     | 0.28            | 0.04     | 0.09 | 0.64 | 557   | 68       |
| Ethnic Identity                                      | 0.40            | -0.10    | 0.07 | 0.15 | 557   | 68       |
| Religious Identity                                   | 0.31            | 0.06     | 0.11 | 0.60 | 557   | 68       |

#### **B.5** Placebo Test

The survey we analyze was conducted on approximately 5 September 2015. To avoid miscoding our treatment variable, we drop districts that are first treated between September 4 and 14. There are 9 districts that are treated after this window: these districts will be affected but had not been when the survey was enumer-

ated. We conduct a placebo test, comparing these 9 not-yet treated districts to districts that never experience a security force's funeral.

**Table A.4:** Placebo test using security forces' funerals after the survey

| Outcome                                     | Control<br>Mean | Placebo<br>Estimate | SE   | p    | N     | Clusters |
|---|-----------------|---------------------|------|------|-------|----------|
| Supports Military Response*                 | 0               | 0.02                | 0.09 | 0.82 | 2,629 | 105      |
| Supports Political Recognition <sup>⋆</sup> | 0               | -0.09               | 0.12 | 0.43 | 2,633 | 105      |
| Trust in Institutions <sup>⋆</sup>          | 0               | -0.07               | 0.11 | 0.52 | 2,622 | 105      |

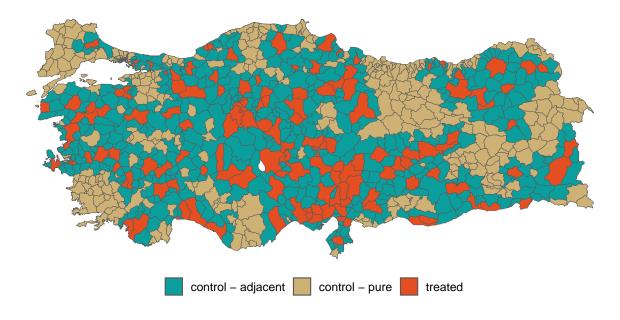
Results with covariate adjustment using missing-indicator approach.

In Appendix Table A.4, we show that there is not meaningful change in attitudes using this placebo treatment. While this analysis supports our causal claims, we note that this analysis does not have the same statistical power as our main analysis, as there are fewer units that receive the placebo than our actual treatment.

## **B.6** Spatial Spillovers

Appendix Figure A.2 differentiates two types of control districts: those adjacent to treated districts and those that are not. If there are (spatial) spillovers, we would expect them to be larger in adjacent controls.

Figure A.2: Differentiating control districts based on adjacency to treated districts



We re-estimate Equation 1 and include an indicator for whether a control district is treatment-adjacent. In Appendix Table A.5, we find no sizeable or statistically significant difference in attitudes between treatment-adjacent control districts and other (arguably "purer") control units.

<sup>★:</sup> Mean-effects index per Kling et al.

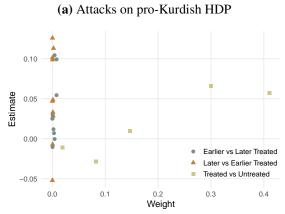
 Table A.5: Negligible spillovers to treatment-adjacent control districts

|                                   | Supports Military<br>Response | Supports Political<br>Recognition | Trust in Institutions |
|-----------------------------------|-------------------------------|-----------------------------------|-----------------------|
| One or more funerals              | 0.367***<br>(0.087)           | -0.243**<br>(0.096)               | 0.320**<br>(0.136)    |
| Treatment-adjacent                | 0.051<br>(0.068)              | -0.037<br>(0.078)                 | -0.004<br>(0.076)     |
| Covariate Adjustment              | ✓                             | ✓                                 | ✓                     |
| S.E. clustered by<br>Observations | District 3,130                | District 3,134                    | District 3,124        |

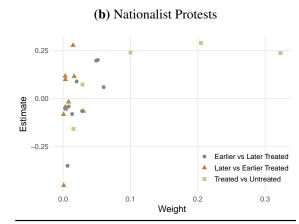
## C. Analysis of Riots and Protests

## **C.1** Alternative Estimators

Figure A.3: Goodman-Bacon (2021) Decomposition

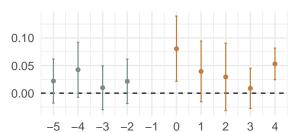


| Comparison               | Estimate | Weight |
|--------------------------|----------|--------|
| Earlier vs Later Treated | 0.06     | 0.03   |
| Later vs Earlier Treated | 0.06     | 0.01   |
| Treated vs Untreated     | 0.04     | 0.96   |



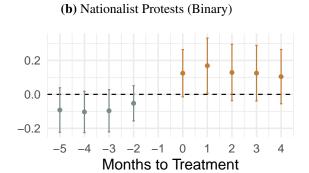
| Comparison               | Estimate | Weight |
|--------------------------|----------|--------|
| Earlier vs Later Treated | 0.08     | 0.24   |
| Later vs Earlier Treated | 0.04     | 0.08   |
| Treated vs Untreated     | 0.24     | 0.67   |

Figure A.4: Event-study plots a la Sun and Abraham (2021)



Months to Treatment

(a) Attacks on pro-Kurdish HDP (Binary)



## C.2 Spatial Spillovers

For control districts, we determine the first month that any adjacent treatment districts hold funerals. We then code a time-varying indicator that takes a one after any adjacent district is treated. Appendix Table A.6 shows no differential change in these control districts after an adjacent unit is treated, which suggests negligible spatial spillovers.

Table A.6: Security forces' funerals increase attacks on HDP

|                                | Attacks                     | on HDP       |
|--------------------------------|-----------------------------|--------------|
|                                | (Binary)                    | (Count)      |
| After security force's funeral | 0.044**                     | 0.043**      |
|                                | (0.018)                     | (0.018)      |
| Treatment-adjacent             | 0.000                       | 0.000        |
|                                | (0.006)                     | (0.006)      |
| Month FE                       | ✓                           | ✓            |
| District FE                    | $\checkmark$                | $\checkmark$ |
| S.E. clustered by              | District                    | District     |
| Observations                   | 9,700                       | 9,700        |
|                                | * p < 0.1, ** p < 0.05, *** | p < 0.01     |

## D. Analysis of Voting Behavior

#### **D.1** Descriptives

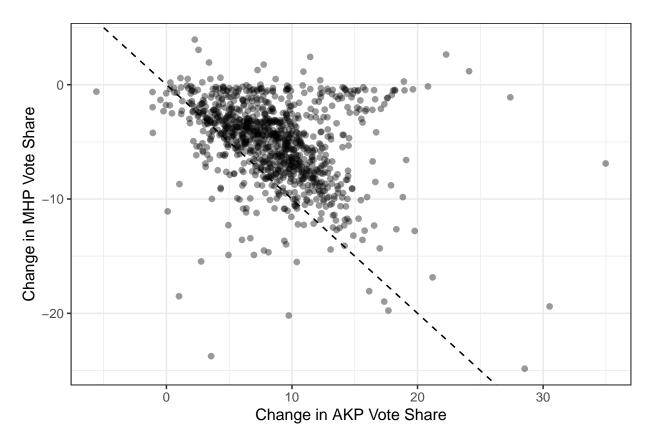


Figure A.5: Change in AKP and MHP Vote Share from June to November 2015

#### **D.2** Robustness Checks

Conditional on the population of military recruits, each district has a similar treatment propensity. We follow Umit (2023), who uses each district's male population ages 20-29 to approximate the population of recruits.

The baseline population of recruits is absorbed by the district fixed effects in our main analysis in Table 3. As a robustness check, we interact that population measure with our election fixed effect, and our estimates are unchanged (see Appendix Table A.7). Our results look the same if we interact the election fixed effect with dummies for population decile, which permits the temporal shocks to vary non-linearly by district population size.

We also use entropy balancing (Hainmueller 2012) to re-weight our untreated districts. First, we reweight such that untreated districts have the same average population of recruits as treated districts. Prior to weighting, treated districts have an average of 12,400 men ages 20-29; untreated districts, just 5,570. After re-weighting, the average among untreated districts is the same as the treated group. Appendix Table A.8 shows that our results are qualitatively similar when we incorporate these weights.

Table A.7: Including interaction of recruitment pool with election fixed effect

|                                       | AKP<br>(Incumbent)<br>Center right | MHP<br>(Nationalist)<br>Far right | HDP<br>(pro-Kurdish)<br>Left          | Turnout        |
|---------------------------------------|------------------------------------|-----------------------------------|---------------------------------------|----------------|
| One or more security forces' funerals | 0.997**                            | -1.401***                         | 0.241                                 | 0.518**        |
|                                       | (0.395)                            | (0.395)                           | (0.303)                               | (0.202)        |
| District FE                           | √                                  | √                                 | √                                     | √              |
| Election FE                           | √                                  | √                                 | √                                     | √              |
| Recruitment Pool × Election FE        | √                                  | √                                 | √                                     | √              |
| S.E. clustered by<br>Observations     | District<br>1,940                  | District<br>1,940                 | District<br>1,940<br>** p < 0.05, *** | District 1,940 |

**Table A.8:** Including weights from entropy balancing on male population ages 20-29

|                                       | AKP (Incumbent) | MHP<br>(Nationalist) | HDP<br>(pro-Kurdish) | Turnout      |
|---------------------------------------|-----------------|----------------------|----------------------|--------------|
|                                       | Center right    | Far right            | Left                 |              |
| One or more security forces' funerals | 0.914**         | -1.340***            | 0.227                | 0.479**      |
| ·                                     | (0.391)         | (0.386)              | (0.284)              | (0.195)      |
| District FE                           | √               | <b>√</b>             | ✓                    | ✓            |
| Election FE                           | $\checkmark$    | $\checkmark$         | $\checkmark$         | $\checkmark$ |
| Control Group Re-weighted             | ✓               | ✓                    | ✓                    | $\checkmark$ |
| S.E. clustered by                     | District        | District             | District             | District     |
| Observations                          | 1,940           | 1,940                | 1,940                | 1,940        |
|                                       |                 | ¥ . O 1              | ** . 0 0 5 ***       | 0 01         |

\* p < 0.1, \*\* p < 0.05, \*\*\* p < 0.01

We then entropy balance using a larger set of baseline variables, reweighting such that untreated districts have the same average population of recruits, distribution across provinces, sex ratio, and divorce rates (see Appendix Table A.9). Matching on these variables achieves good balance on other district-level covariates, including literacy rates, household size, marriage rates, agricultural area, luminosity, longitude, and latitude. The effect of funerals on the AKP's vote share attenuates slightly, and the p-value increases to 0.12.

Table A.9: Including weights from entropy balancing on province and other baseline variables

|                                       | AKP (Incumbent)<br>Center right | MHP<br>(Nationalist)<br>Far right | HDP<br>(pro-Kurdish)<br>Left | Turnout           |
|---------------------------------------|---------------------------------|-----------------------------------|------------------------------|-------------------|
| One or more security forces' funerals | 0.704<br>(0.453)                | -1.028**<br>(0.415)               | -0.107<br>(0.307)            | 0.239<br>(0.205)  |
| District FE                           | $\checkmark$                    | <b>√</b>                          | <b>√</b>                     | <b>√</b>          |
| Election FE Control Group Re-weighted | √<br>√                          | √<br>√                            | √<br>√                       | <b>√</b>          |
| S.E. clustered by<br>Observations     | District<br>1,940               | District<br>1,940                 | District<br>1,940            | District<br>1,940 |

\* p < 0.1, \*\* p < 0.05, \*\*\* p < 0.01

## **D.3** Proximity to Election

We interact our treatment indicator with the month of the (most recent) casualty to assess whether funerals closer to the November 2015 have different effects on voting behavior. We combine June and July given the small number of funerals in June. Appendix Figure A.6 shows the estimated effect on AKP and MHP vote shares based on the timing of the funeral. We do not see much evidence of effect heterogeneity: most of the point estimates are similar to the overall effects reported in Table 3, which are represented in Appendix Figure A.6 by the dashed lines.

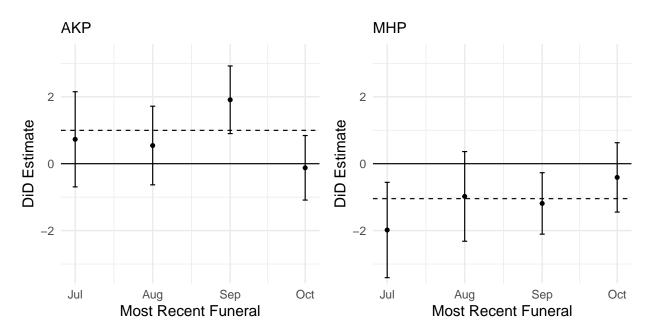


Figure A.6: Effect on electoral outcomes by the month of most recent funeral

## **D.4** Spatial Spillovers

We look for differential changes in voting behavior in control districts adjacent to districts with security forces' funerals versus other control districts (see Appendix Figure A.2). In Appendix Table A.10, we see a slightly larger swing toward the AKP and away from the MHP in treatment-adjacent districts. Neither effect is substantively large or significant; if anything, these suggest that spillovers push our main effects toward zero.

Table A.10: No differential change in voting in treatment-adjacent control districts

|                                       | AKP<br>(Incumbent)<br>Center right | MHP<br>(Nationalist)<br>Far right | HDP<br>(pro-Kurdish)<br>Left | Turnout      |
|---------------------------------------|------------------------------------|-----------------------------------|------------------------------|--------------|
| One or more security forces' funerals | 1.201***                           | -1.165***                         | 0.226                        | 0.892***     |
|                                       | (0.423)                            | (0.407)                           | (0.323)                      | (0.227)      |
| Treatment-adjacent $\times$ Nov. 2015 | 0.364                              | -0.214                            | 0.347                        | 0.448**      |
|                                       | (0.287)                            | (0.241)                           | (0.240)                      | (0.179)      |
| District FE                           | ✓                                  | ✓                                 | ✓                            | <b>√</b>     |
| Election FE                           | $\checkmark$                       | $\checkmark$                      | $\checkmark$                 | $\checkmark$ |
| S.E. clustered by                     | District                           | District                          | District                     | District     |
| Observations                          | 1,940                              | 1,940                             | 1,940                        | 1,940        |

\* p < 0.1, \*\* p < 0.05, \*\*\* p < 0.01

## E. Excluding Police Funerals

The main analysis examines the effects of security forces' funerals on various outcomes. Although a significant majority of funerals are for soldiers, there are also funerals for police officers.

The location of service of police forces is randomized, but police officers cannot serve in their hometown with exceptions. While every Turkish man has to serve in the army, they do not have to serve in the police force. While previous studies include both police and soldier funerals in their analysis (Kibris 2011; Umit 2023), one might be concerned about the inclusion of police funerals in the analysis. We replicate the main analysis by excluding districts that hosted funerals for police officers but not soldiers. The results are reported in Tables A.11, A.12, and A.13 and Figure A.7. Our conclusions are unchanged.

**Table A.11:** Attitudes become more hawkish and hostile to Kurdish rights - Police funerals are excluded

| Outcome                                     | Control<br>Mean | Estimate | SE   | p    | N     | Clusters |
|---|-----------------|----------|------|------|-------|----------|
| Supports Military Response*                 | 0.00            | 0.35     | 0.08 | 0.00 | 3,062 | 121      |
| Solution requires 'destroying terrorism'    | 3.34            | 0.51     | 0.10 | 0.00 | 3,015 | 121      |
| Solution is coercive                        | 0.30            | 0.06     | 0.04 | 0.14 | 2,651 | 121      |
| Solution is peaceful                        | 0.43            | -0.10    | 0.03 | 0.00 | 2,651 | 121      |
| Supports Political Recognition*             | 0.00            | -0.22    | 0.09 | 0.02 | 3,066 | 121      |
| Support changing constitution               | 2.75            | 0.13     | 0.19 | 0.49 | 3,006 | 121      |
| Solution requires equality/recognition      | 0.09            | -0.03    | 0.02 | 0.07 | 2,651 | 121      |
| State currently discriminates against Kurds | 2.91            | -0.52    | 0.17 | 0.00 | 3,012 | 121      |
| State should treat Turks and Kurds equally  | 3.77            | -0.11    | 0.09 | 0.23 | 3,015 | 121      |

Results with covariate adjustment using missing-indicator approach.

\*: Mean-effects index per Kling et al.

**Table A.12:** Security forces' funerals increase attacks on HDP and nationalist protests - Police funerals are excluded

|                                   | Attacks (Binary)  | Attacks on HDP (Binary) (Count) |                     | Nationalist Protests<br>(Binary) (Count) |                   | Protests<br>(Count) |
|-----------------------------------|-------------------|---------------------------------|---------------------|--|-------------------|---------------------|
| After security force's funeral    | 0.035*<br>(0.021) | 0.034<br>(0.021)                | 0.205***<br>(0.048) | 0.702***<br>(0.169)                      | -0.039<br>(0.029) | -0.217<br>(0.132)   |
| Month FE District FE Province FE  | <b>√</b> ✓        | √<br>√                          | √                   | √  | √<br>./           | <b>√</b>            |
| S.E. clustered by<br>Observations | District<br>9230  | District<br>9230                | Province 710        | Province 710                             | Province 710      | Province 710        |

\* p < 0.1, \*\* p < 0.05, \*\*\* p < 0.01

**Figure A.7:** Event-study plots for attacks on HDP and nationalist protests - Police funerals are excluded

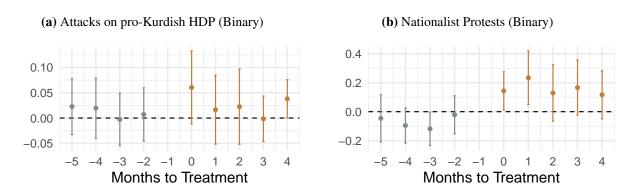


Table A.13: Modest increase in support for the incumbent AKP - Police funerals are excluded

|                                       | AKP<br>(Incumbent)<br>Center right | MHP<br>(Nationalist)<br>Far right | HDP<br>(pro-Kurdish)<br>Left | Turnout             |  |
|---------------------------------------|------------------------------------|-----------------------------------|------------------------------|---------------------|--|
| One or more security forces' funerals | 0.980**<br>(0.486)                 | -1.107**<br>(0.463)               | 0.011<br>(0.317)             | 0.606***<br>(0.231) |  |
| District FE<br>Election FE            | √<br>√                             | <b>√ √</b>                        | <b>√</b> ✓                   | √<br>√              |  |
| S.E. clustered by<br>Observations     | District<br>1,846                  | District<br>1,846                 | District<br>1,846            | District<br>1,846   |  |
|                                       | * n < 0.1 ** n < 0.05 *** r        |                                   |                              |                     |  |

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