Who Debates, Who Wins? At-Scale Experimental Evidence on the Supply of Policy Information in a Liberian Election

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Replication of Tables and Figures

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1 Main paper

Table 1: Candidate characteristics

	Age	University educated	Ran before	Govt. job before	NGO job before	Advocacy experience	Campaign expenditure	Radio station
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Incumbent	55.8	0.68	1.00	0.48	0.35	0.87	61,458	0.16
Challenger	48.9	0.63	0.44	0.31	0.38	0.88	37,660	0.06
Other	47.7	0.53	0.22	0.32	0.42	0.85	29,660	0.03

Notes: Mean of responses among incumbents, challengers, and other candidates to our candidate survey. *Age*: age in years; *University educated*: completed university; *Ran before*: ran for office at least once before; *Govt. job before*: previously held non-elected government job; *NGO job before*: worked for an NGO before; *Advocacy experience*: worked on an advocacy campaign before; *Campaign expenditure*: self-reported campaign spending in USD; *Radio station*: either owns or manages a radio station.

Table 2: Candidate attitudes towards policy promises

	Different promises	Rally credibility	Radio credibility
	(1)	(2)	(3)
Incumbent	0.73	0.19	0.26
Challenger	0.70	0.11	0.13
Other	0.67	0.16	0.15

Notes: Mean of responses among incumbents, challengers, and other candidates to our candidate survey. *Different promises*: believes that candidates make different promises on radio versus on-the-ground campaigning; *Rally credibility*: believes that promises made by candidates at rallies are very likely to be fulfilled; *Radio credibility*: believes that promises made by candidates on radio are very likely to be fulfilled.

Table 3: Reasons cited for debate participation

	Duty (1)	Policies (2)	Competence (3)	Publicity (4)	Radio (5)	Attack (6)
Incumbent	0.40	0.80	0.27	0.40	0.07	0.07
Challenger	0.61	0.48	0.37	0.35	0.02	0.07
Other	0.54	0.52	0.25	0.43	0.01	0.09

Notes: Mean of responses among incumbents, challengers and other candidates to our candidate survey. Candidates were allowed to cite more than one reason for participation. *Duty*: cited democratic duty; *Policies*: cited opportunity to present policy platform; *Competence*: cited opportunity to demonstrate competence; *Publicity*: cited opportunity for free campaign publicity; *Radio*: cited the benefits of radio broadcasting reaching a large audience; *Attack*: cited opportunity to attack other candidates.

Table 4: Transcript descriptive statistics

	Intro words (1)	Education emphasis (2)	Experience emphasis (3)	CSDF words (4)	LSP words (5)	Attacked (6)	Attacker (7)
Incumbent	340.3	0.22	0.33	398.2	224.0	0.19	0.15
Challenger	352.0	0.30	0.26	284.7	218.0	0.04	0.04
Other	345.9	0.27	0.19	269.8	203.7	0.03	0.03

Notes: Mean values of variables among incumbents, challengers and other candidates based on our debate transcriptions. *Intro words*: number of words spoken in debate introduction; *Education emphasis*: candidate highlighted their education in introduction; *Experience emphasis*: candidate highlighted their experience in introduction; *CSDF words*: number of words spoken about ways to improve management of County Social Development Funds; *LSP words*: number of words spoken about priorities for spending Legislative Support Projects funds; *Attacked*: candidate was verbally attacked by another candidate; *Attacker*: candidate verbally attacked another candidate.

Table 5: Effects on candidate debate participation

	(1)	(2)	(3)
A. Share of candidates			
Intensive Invite	0.077**	0.065**	0.092***
	(0.034)	(0.031)	(0.034)
Control Mean	0.542	0.573	0.557
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
B. Incumbent			
Intensive Invite	0.211**	0.176**	0.234***
	(0.084)	(0.073)	(0.083)
Control Mean	0.280	0.372	0.299
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
C. Share of challengers			
Intensive Invite	0.213***	0.143**	0.221***
	(0.074)	(0.064)	(0.068)
Control Mean	0.492	0.554	0.528
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
D. Share of other candidates			
Intensive Invite	0.002	0.007	0.009
	(0.030)	(0.029)	(0.029)
Control Mean	0.562	0.583	0.575
Observations	3,991	3,991	3,991
Weight	No	1/Obs	Reg/Obs

Notes: Outcomes: share of candidate types (all, incumbent, challenger, other candidate) who attended a debate out of all candidates in that district. Panel D has fewer observations due to only three candidates running in two districts (and hence no 'other candidates' defined). See Table A26 for all predetermined covariate coefficients. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table 6: Effects on voting outcomes

	Main effect			Interaction term: Std. Performance			Interaction term: Std. Policy alignment		
1. Respondent-level	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. Incumbent									
Intensive Invite	0.041**	0.047**	0.037*	0.042**	0.047**	0.038*	0.038**	0.043*	0.034
	(0.019)	(0.022)	(0.021)	(0.019)	(0.021)	(0.020)	(0.019)	(0.022)	(0.020)
Intensive Invite × $\widehat{\text{Performance}}$				0.069**	0.068**	0.062**			
				(0.027)	(0.032)	(0.030)			
Intensive Invite × Policy alignment							0.042***	0.052***	0.055***
							(0.016)	(0.018)	(0.018)
Control Mean	0.278	0.282	0.288	0.278	0.282	0.288	0.278	0.282	0.288
Observations	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496
B. Challengers									
Intensive Invite	-0.036***	-0.035***	-0.027**	-0.035***	-0.037***	-0.027**	-0.036***	-0.035***	-0.027**
	(0.012)	(0.011)	(0.012)	(0.013)	(0.011)	(0.012)	(0.012)	(0.011)	(0.012)
Intensive Invite × $\widehat{\text{Performance}}$				0.017	0.023	0.012			
				(0.026)	(0.027)	(0.027)			
Intensive Invite × Policy alignment							-0.002	-0.004	-0.002
							(0.007)	(0.008)	(0.008)
Control Mean	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156
Observations	8,686	8,686	8,686	8,686	8,686	8,686	8,686	8,686	8,686
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs
2. Polling station-level	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. Incumbent									
Intensive Invite	0.048*	0.043*	0.050**	0.047**	0.042*	0.050**	0.045*	0.039*	0.048**
	(0.024)	(0.023)	(0.023)	(0.023)	(0.022)	(0.022)	(0.024)	(0.023)	(0.023)
Intensive Invite × $\widehat{\text{Performance}}$				0.086***	0.089***	0.083***			
				(0.025)	(0.025)	(0.025)			
Intensive Invite × Policy alignment							0.021	0.024	0.018
							(0.031)	(0.031)	(0.031)
Control Mean	0.246	0.246	0.250	0.246	0.246	0.250	0.246	0.246	0.250
Observations	4,618	4,618	4,618	4,618	4,618	4,618	4,618	4,618	4,618
B. Challengers									
Intensive Invite	-0.030**	-0.035***	-0.028**	-0.030**	-0.035***	-0.028**	-0.029**	-0.032**	-0.028**
	(0.013)	(0.012)	(0.013)	(0.013)	(0.012)	(0.013)	(0.013)	(0.013)	(0.013)
Intensive Invite × $\widehat{\text{Performance}}$				0.003	0.002	0.005			
				(0.020)	(0.021)	(0.019)			
Intensive Invite × Policy alignment							-0.000	-0.013	0.005
							(0.019)	(0.018)	(0.020)
Control Mean	0.113	0.113	0.112	0.113	0.113	0.112	0.113	0.113	0.112
Observations	11,385	11,385	11,385	11,385	11,385	11,385	11,385	11,385	11,385
Weight	No	1/PS	Reg	No	1/PS	Reg	No	1/PS	Reg

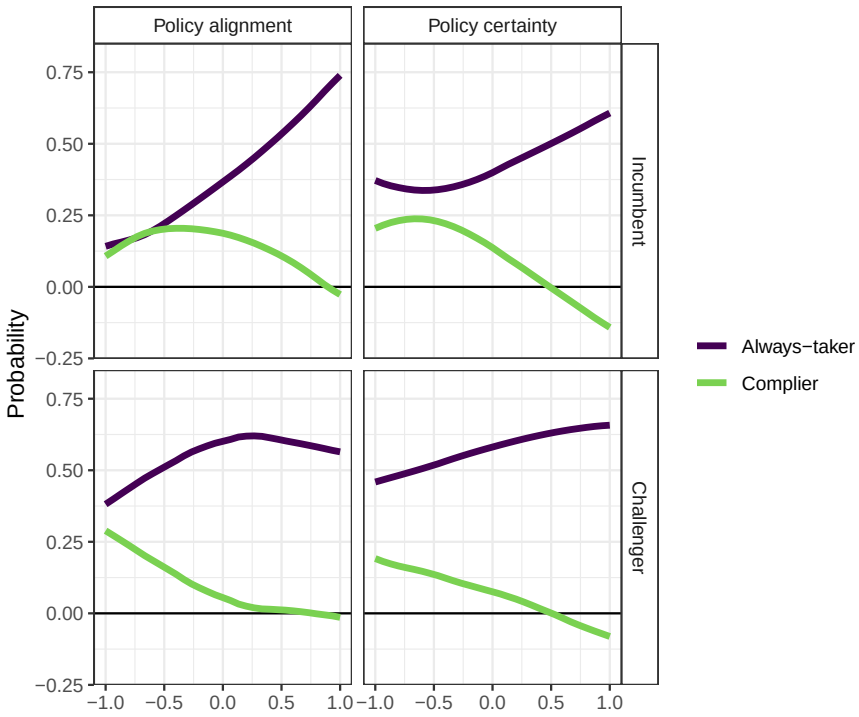
Notes: Outcomes: Panel 1: respondent reported voting for incumbent (Panel 1.A.) or a challenger (Panel 1.B.) at endline; Panel 2: votes divided by registered voters for incumbent (Panel 2.A.) or challengers (Panel 2.B.) using polling station-level data. Interactions: Panel 1: Columns 4-6: standardized candidate-level measures of predicted debate performance; 7-9: standardized respondent-candidate-level measures of policy alignment (measured at baseline); Panel 2 uses district-level analogs of interaction terms (see Data section). See Tables A27-A30 for all predetermined covariate coefficients. All specifications estimated using OLS including randomization block fixed effects. Panel 1 adds enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Panel 2 adds predetermined covariates defined at the electoral district, polling station, and candidate levels. Weights: *PS*: polling stations in electoral district; *Reg*: registered voters at polling station. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table 7: Characterizing compliers

	Mean	C	AT	NT	p(C=AT)	p(C=NT)
A. Policy alignment (voter survey measure)	(1)	(2)	(3)	(4)	(5)	(6)
Incumbent	-0.05	-0.11	0.53	-0.50	[0.01]	[0.28]
Challengers	0.02	-1.41	0.19	0.16	[0.00]	[0.00]
p(Incumbent=Challengers)	[0.28]	[0.02]	[0.00]	[0.00]		
B. Policy alignment (candidate survey measure)						
Incumbent	0.07	-0.09	0.93	-0.29	[0.00]	[0.00]
Challengers	-0.02	-0.26	-0.03	0.06	[0.91]	[0.90]
p(Incumbent=Challengers)	[0.13]	[0.92]	[0.00]	[0.00]		
C. Policy certainty						
Incumbent	0.36	-0.81	0.44	0.53	[0.16]	[0.13]
Challengers	-0.14	-0.79	-0.07	-0.08	[0.13]	[0.15]
p(Incumbent=Challengers)	[0.00]	[1.00]	[0.00]	[0.00]		

Notes: Each variable is standardized. Panel A uses citizen survey to construct policy alignment; Panel B uses candidate survey (see Appendix A.6.3). Mean of each variable computed for all candidates (All); compliers (C); always-takers (AT); never-takers (NT) following Abadie (2003) and Angrist and Fernandez-Val (2013). Columns 5 and 6 provide bootstrapped p-values comparing C to AT and NT.

Figure 2: Distribution of compliance strata by baseline candidate characteristics



Notes: Nonparametric estimation of compliance status across standardized values of baseline characteristics for incumbents (top) and challengers (bottom). At a given value of each baseline characteristic, the fitted value indicates the probability of a candidate type being an always-taker or complier. Optimal bandwidths computed following Calonico, Cattaneo and Farrell (2018).

Table 8: Effects on debate exposure and information acquisition

	(1)	(2)	(3)
A. Debate listening index			
Intensive Invite	0.294***	0.330***	0.419***
	(0.101)	(0.102)	(0.101)
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
B. Debate knowledge index			
Intensive Invite	0.123*	0.124**	0.162***
	(0.063)	(0.058)	(0.059)
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
C. Policy knowledge index			
Intensive Invite	0.165*	0.234*	0.189*
	(0.090)	(0.123)	(0.102)
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
D. Political information acquisition			
Intensive Invite	0.243***	0.283***	0.278***
	(0.074)	(0.085)	(0.086)
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs

Notes: Outcomes are standardized. Panel A: index of (1) indicator for respondent heard debate between baselind and endline; (2) how often respondent heard debate by endline; Panel B: index of (1) indicator for respondent's stated debate winner attended debate; (2) share of candidates respondent claims participated; (3) share of predicted leading candidates respondent claims participated; Panel C: change in how many questions about CSDF management respondents answered correctly. Panel D: index of (1) change in how much respondents listened to radio; (2) change in how much they discussed politics with friends; (3) how much they accessed other sources of political information. See Table A18 for disaggregated indicator-level results and Tables A31-A32 for predetermined covariate coefficients. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table 9: Effects on updating about candidates

	Certainty about competence			**Certainty about policy**		
1. Uncertainty	(1)	(2)	(3)	(4)	(5)	(6)
A. Incumbent						
Intensive Invite	0.180*	0.201*	0.184**	0.180**	0.207***	0.196***
	(0.100)	(0.101)	(0.079)	(0.068)	(0.072)	(0.061)
Observations	3,496	3,496	3,496	3,496	3,496	3,496
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs
B. Challengers						
Intensive Invite	0.060	0.066	0.041	0.147**	0.124	0.097
	(0.066)	(0.077)	(0.073)	(0.060)	(0.079)	(0.068)
Observations	8,686	8,686	8,686	8,686	8,686	8,686
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs

	Beliefs about competence			**Learning about policy**		
2. Levels	(1)	(2)	(3)	(4)	(5)	(6)
A. Incumbent						
Intensive Invite	0.119	0.062	0.109	0.135*	0.170*	0.134*
	(0.080)	(0.095)	(0.092)	(0.070)	(0.091)	(0.073)
Observations	3,496	3,496	3,496	3,496	3,496	3,496
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs
B. Challengers						
Intensive Invite	-0.060	-0.132	-0.083	0.053	0.030	0.074
	(0.077)	(0.088)	(0.079)	(0.063)	(0.091)	(0.078)
Observations	8,686	8,686	8,686	8,686	8,686	8,686
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs

Notes: Outcomes are standardized. Panel 1: Columns 1-3: change in certainty about candidates' competence; 4-6: change in certainty about candidates' policy priorities; Panel 2: Columns 1-3: change in perceptions of candidates' competence; 4-6: change in correctly learning candidates' policy priorities. See Tables A33-A34 for predetermined covariate coefficients. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table 10: Effects on campaigning

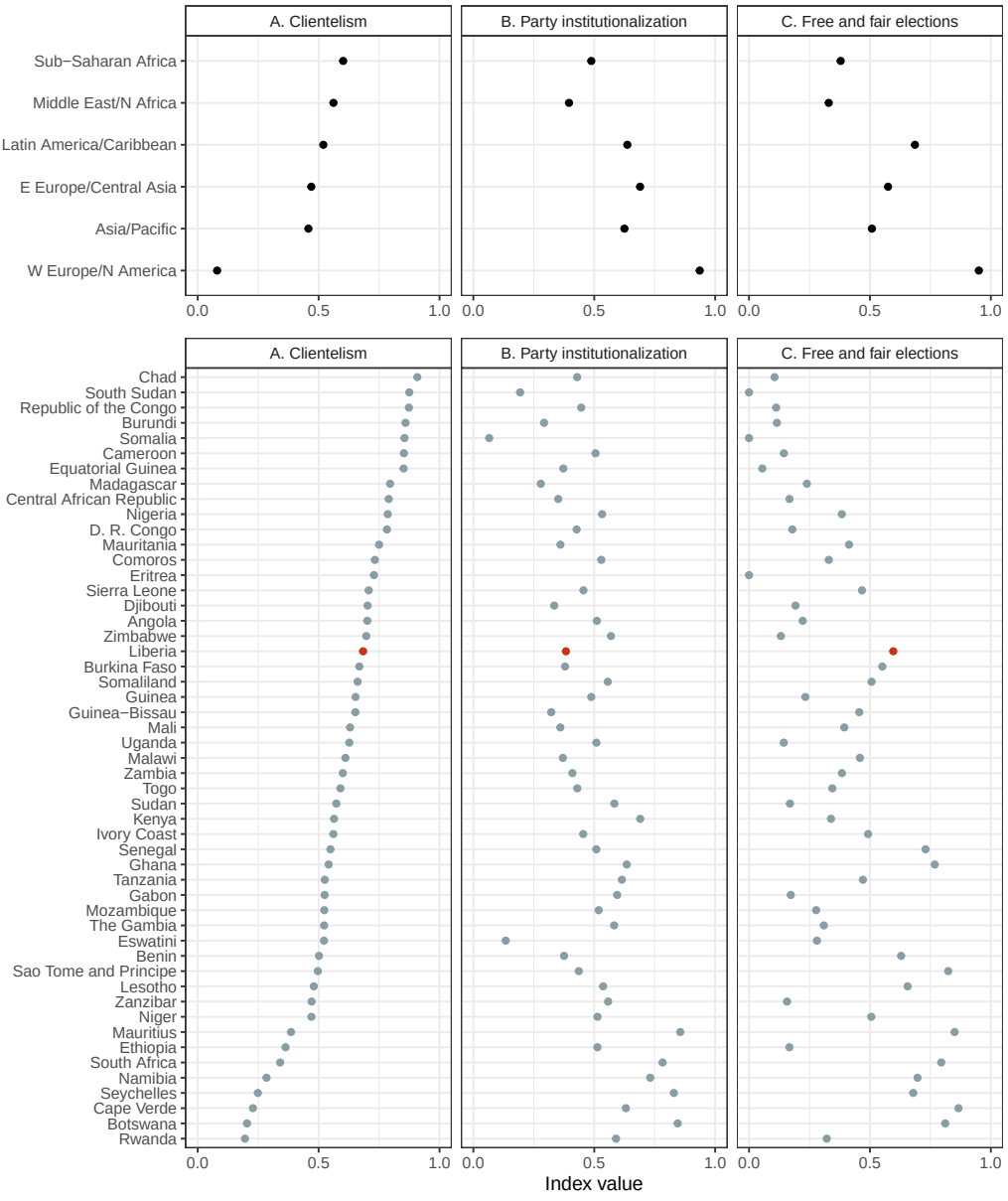
	Ground			Radio		
	(1)	(2)	(3)	(4)	(5)	(6)
A. Incumbent						
Intensive Invite	-0.027	-0.027	-0.021	0.091**	0.115***	0.105**
	(0.040)	(0.046)	(0.046)	(0.037)	(0.039)	(0.040)
Observations	3,492	3,492	3,492	3,496	3,496	3,496
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs
B. Challengers						
Intensive Invite	-0.067*	-0.078**	-0.081**	-0.028	-0.005	-0.018
	(0.037)	(0.033)	(0.037)	(0.028)	(0.030)	(0.029)
Observations	8,678	8,678	8,678	8,686	8,686	8,686
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs

Notes: Outcomes are standardized. Columns 1-3: index of how often candidates (1) visited; (2) distributed leaflets; (3) bought votes in respondents' communities; 4-6: index of how often respondents heard candidates on radio in two weeks before election. See Table A19 for disaggregated indicator-level results, and Table A35 for predetermined covariate coefficients. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

2 Supplementary materials

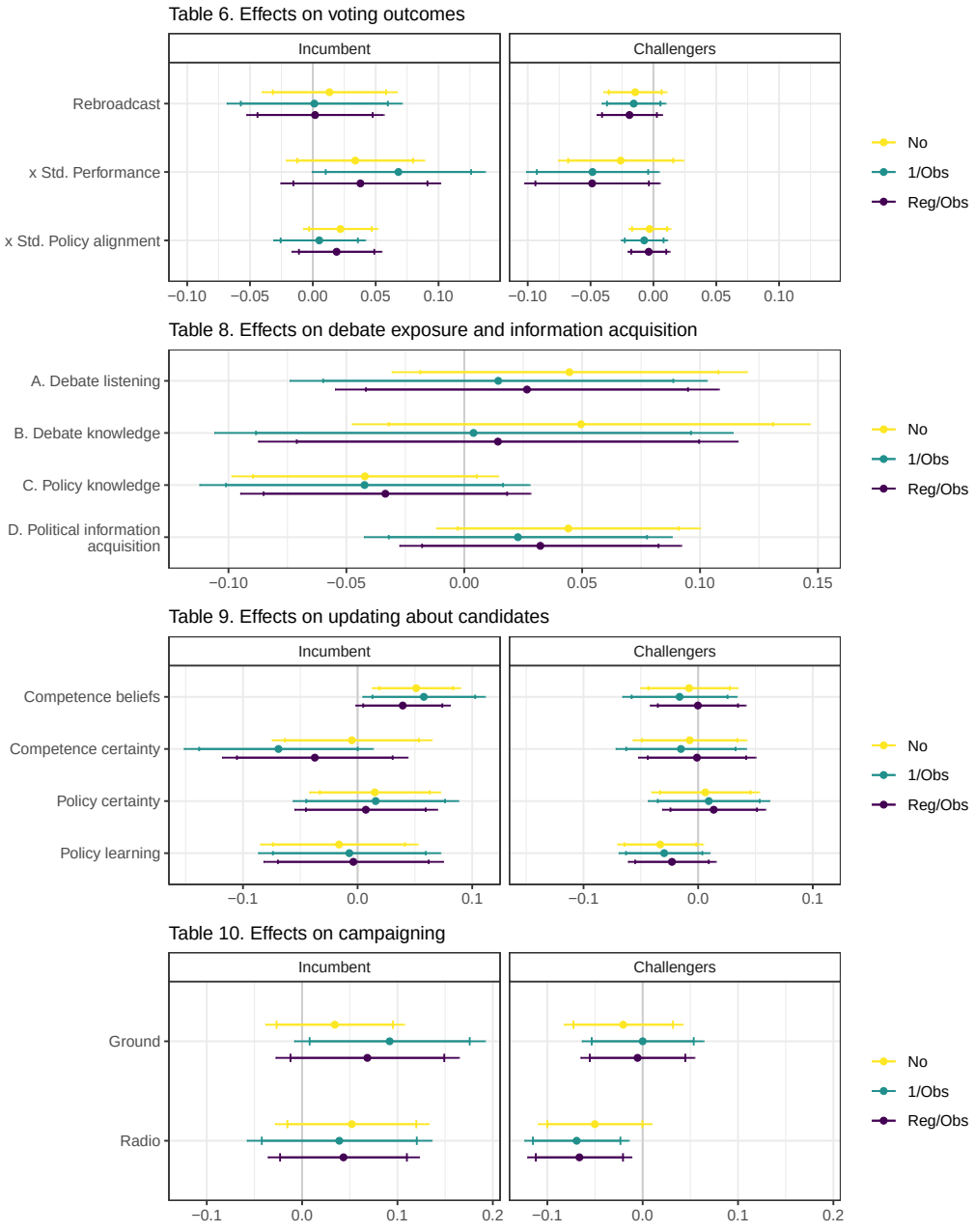
2.1 Figures

Figure A1: Scope conditions



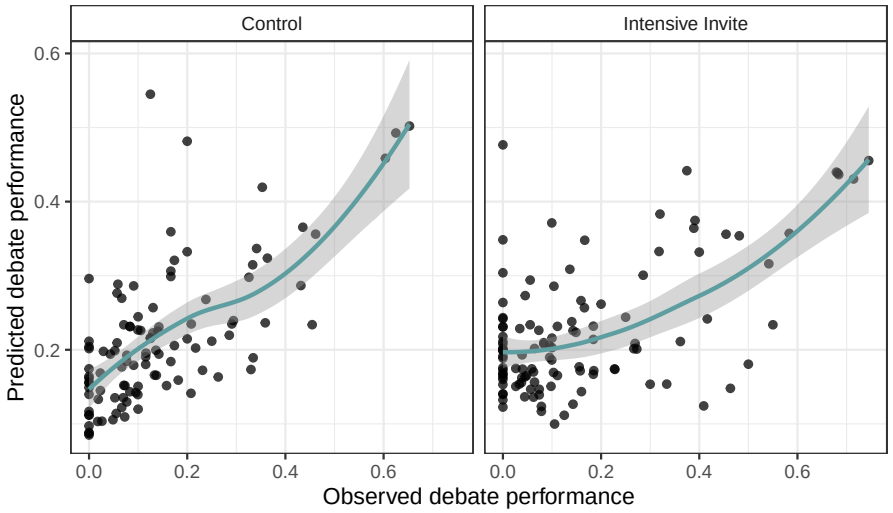
Notes: Figure presents region-level (top panel) and country-level within sub-Saharan Africa (bottom panel) indexes drawn from V-Dem data (v14) averaged over the period 2010-2020. *Clientelism* index comes from `v2xnp_client`; *Party institutionalization* index comes from `v2xps_party`; *Free and fair elections* index comes from `v2xel_frefair`.

Figure A2: Treatment effects of rebroadcasting intervention



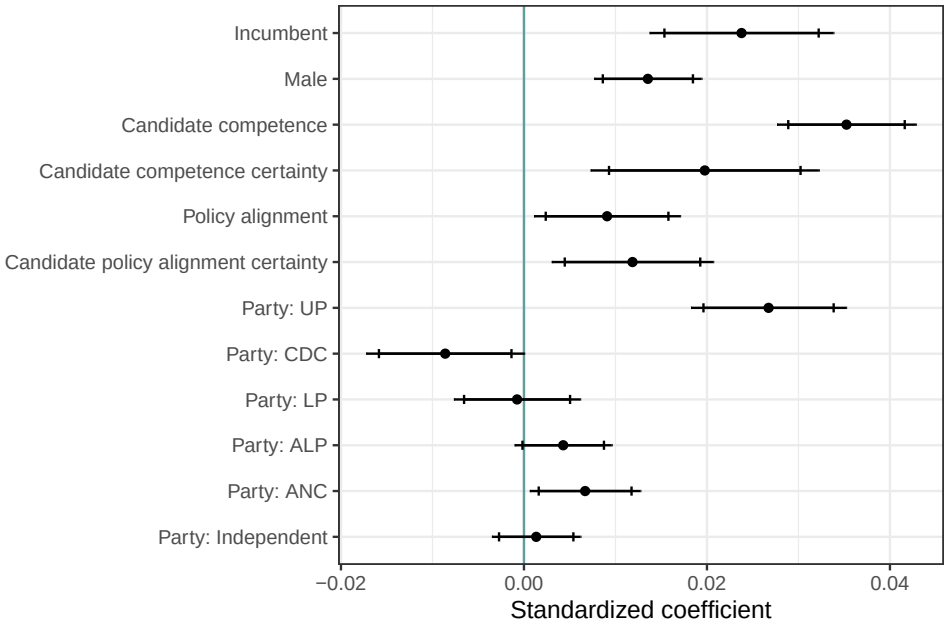
Notes: Treatment effect estimates of cross-randomized rebroadcasting intervention (see Appendix A.5) for main results in Tables 6-10. Estimated using specifications analogous to Equation (1) and all analysis of the intensive invitation intervention featured in the manuscript. 90% and 95% confidence intervals plotted, with colors indicating weights as defined in the manuscript.

Figure A3: Predicted versus observed performance among participating candidates



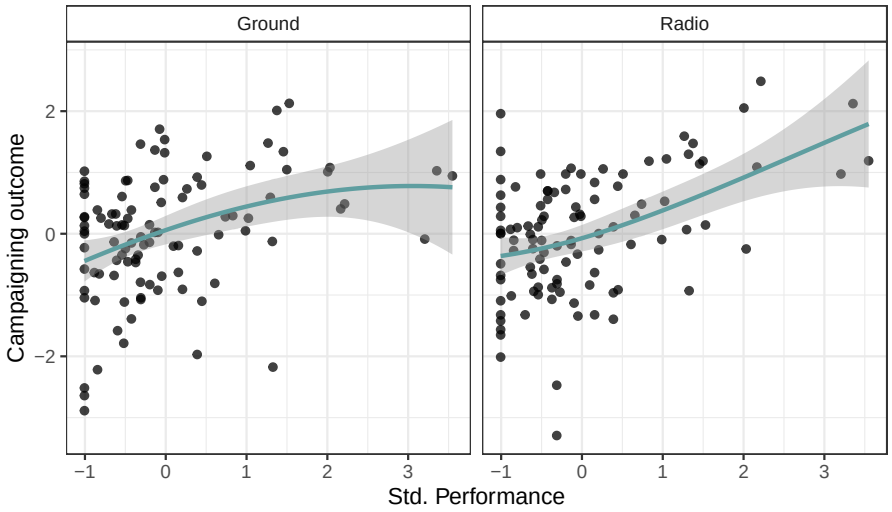
Notes: Figure correlates observed versus predicted measures of debate performance across electoral districts assigned to control and treatment. See Appendix A.6.3 for additional details.

Figure A4: Correlates of predicted performance measure



Notes: Figure presents coefficients from a regression of our predicted debate performance measure onto a set of standardized candidate-level characteristics. 90% and 95% confidence intervals plotted. See Appendix A.6.3 for additional details.

Figure A5: Correlation between debate performance and campaigning in control districts



Notes: Figure correlates standardized debate performance among candidates in districts assigned to control with the standardized campaigning outcomes (whether on-the-ground or radio) used in Table 10.

2.2 Tables

2.2.1 Descriptive statistics

Table A1: Descriptive statistics

	Mean	SD	Min	Max
A. District-level variables (n = 73)				
Scheduled debate week	4.18	1.39	1.00	8.00
Number of debates in district	2.08	0.66	1.00	4.00
Number of candidates (2017)	13.55	4.81	3.00	28.00
Incumbent ran in election (2017)	0.84	0.37	0.00	1.00
Share of repeat candidates (2017)	0.26	0.11	0.06	0.53
Log registered voters (2017)	10.23	0.40	9.27	11.06
1st voteshare (2011)	0.31	0.13	0.12	0.82
2nd voteshare (2011)	0.18	0.05	0.10	0.36
3rd voteshare (2011)	0.13	0.03	0.05	0.25
Voteshare HHI (2011)	0.19	0.11	0.07	0.69
Turnout (2011)	0.66	0.05	0.56	0.75
Log population density (2008)	-9.51	1.76	-11.91	-5.21
Share over 18 (2008)	0.48	0.02	0.43	0.54
Share with secondary education (2008)	0.15	0.05	0.04	0.28
Share with GSM coverage (2015)	0.71	0.30	0.01	1.00
Share owns a radio (2016)	0.74	0.12	0.38	1.00
Share gets radio news often (2016)	0.76	0.12	0.50	1.00
Avg. N radio stations covering each town (2016)	10.98	7.60	0.00	23.36
B. Individual-level variables (n = 4060)				
Male	0.75	0.43	0.00	1.00
Respondent age	31.73	9.27	18.00	99.00
Education: Primary	0.94	0.25	0.00	1.00
Education: Secondary	0.78	0.41	0.00	1.00
Education: Tertiary	0.14	0.35	0.00	1.00
C. Polling station-level variables (n = 5386)				
Number of registered voters in PS (2017)	405.14	74.86	12.00	505.00
Number of PS in VRC	3.57	1.88	1.00	9.00
VRC added in 2017	0.10	0.31	0.00	1.00
Number of registered voters in VRC (2011)	1423.20	770.30	45.00	3995.00
Number of PS in VRC (2011)	3.36	1.59	1.00	9.00
Turnout (2011)	0.63	0.09	0.14	1.01
Share of invalid votes (2011)	0.07	0.03	0.00	0.35
PS covered by partner radio station	0.85	0.36	0.00	1.00
Urban PS	0.33	0.47	0.00	1.00

Notes: Descriptive statistics relating to all predetermined covariates used in the regression analyses. *Sources:* Panel A: Debate variables from Internews. All 2017 and 2011 variables come from National Elections Commission (NEC). All 2008 variables come from 2008 Population and Housing Census. *Share with GSM coverage* comes from Collins Mobile Coverage Explorer; *Share owns a radio* and *Share gets radio news often* come from Afrobarometer. *Avg. N radio stations covering each town* comes from Internews. Pabel B: All come from researchers' panel survey. Panel C: Radio station variables come from Internews. All other variables come from NEC. 90% of polling stations were in locations where a polling place (Voter Registration Center, VRC) existed in 2011. For new polling stations we assign district-level averages.

Table A2: Descriptive statistics (respondent-level outcomes)

	Mean	SD	Min	Max
Table 5				
Share of candidates attended debate	0.59	0.22	0.11	1.00
Incumbent attended debate	0.35	0.48	0.00	1.00
Share of challengers attended debate	0.60	0.37	0.00	1.00
Table 8				
Heard debate between baseline and endline	0.09	0.29	0.00	1.00
Heard debate at endline	0.21	0.41	0.00	1.00
Number of times heard debate	0.46	1.06	0.00	24.00
Debate winner attended debate	0.32	0.47	0.00	1.00
Stated share of participating candidates	0.12	0.29	0.00	2.53
Stated share of participating leading candidates	0.16	0.34	0.00	1.00
Switches to correct CSDF controller	0.25	0.43	0.00	1.00
Switches to correct requirement for CSDF reporting	0.25	0.43	0.00	1.00
Switches to correct requirement for CSDF citizen engagement	0.25	0.43	0.00	1.00
Change in radio listening	0.26	2.17	-6.00	6.00
Demand for non-radio information sources	5.01	2.15	0.00	7.00
Change in political discussion with friends	-0.07	2.30	-6.00	6.00

Notes: Descriptive statistics relating to all unstandardized, disaggregated outcomes variables used in the respondent-level regressions as outcome variables.

Table A3: Descriptive statistics (respondent-candidate level outcomes)

	Incumbent				Challengers			
	Mean	SD	Min	Max	Mean	SD	Min	Max
Table 6								
Votes for candidate	0.31	0.46	0.00	1.00	0.15	0.35	0.00	1.00
Predicted debate performance	0.26	0.09	0.12	0.50	0.19	0.07	0.08	0.54
Policy alignment	0.42	0.27	0.00	1.00	0.42	0.28	0.00	1.00
Table 9								
Change in certainty of candidate competence	0.08	1.40	-4.00	4.00	0.36	1.53	-4.00	4.00
Change in certainty of candidate priority issues	-0.03	1.63	-4.00	4.00	-0.02	1.58	-4.00	4.00
Change in assessment of candidate competence	0.28	1.44	-4.00	4.00	0.12	1.23	-4.00	4.00
Change in share of candidate priorities named	0.02	0.41	-1.00	1.00	0.03	0.42	-1.00	1.00
Table 10								
Frequency of hearing candidate on radio	2.96	1.13	1.00	5.00	2.68	1.11	1.00	5.00
Candidate distributed leaflets in locality	0.93	0.25	0.00	1.00	0.90	0.30	0.00	1.00
Candidate visited locality	0.81	0.39	0.00	1.00	0.74	0.44	0.00	1.00
Frequency of candidate vote buying	2.28	1.39	1.00	5.00	2.10	1.28	1.00	5.00
Table 6 (PS-level)								
Vote share	0.26	0.22	0.00	0.99	0.11	0.16	0.00	0.99
Measure of debate performance	0.26	0.09	0.12	0.50	0.20	0.07	0.08	0.54
Measure of policy alignment	0.43	0.09	0.16	0.59	0.43	0.09	0.00	0.64

Notes: Descriptive statistics relating to all unstandardized, disaggregated outcomes variables used in the respondent-candidate level regressions as outcome variables.

2.2.2 Balance on predetermined covariates

Table A5: District-level balance

	VS of 1st place (2011)		**VS of 1st place (2011)**		**VS of 3rd place (2011)**	
Intensive Invite	-0.011	-0.015	-0.005	-0.008	-0.000	-0.001
	(0.024)	(0.025)	(0.010)	(0.010)	(0.007)	(0.006)
Control Mean	0.322	0.309	0.178	0.183	0.129	0.129
	Turnout (2011)		**Share ran in 2011**		**VS HHI (2011)**	
Intensive Invite	-0.004	-0.004	-0.012	-0.019	-0.006	-0.009
	(0.009)	(0.008)	(0.024)	(0.024)	(0.020)	(0.020)
Control Mean	0.661	0.667	0.258	0.266	0.198	0.189
	N. candidates (2017)		**Incumbent ran (2017)**		**Number of debates**	
Intensive Invite	-0.509	-0.670	-0.019	-0.052	-0.083	-0.131
	(0.833)	(0.928)	(0.082)	(0.078)	(0.126)	(0.140)
Control Mean	13.634	14.780	0.831	0.886	2.115	2.256
	Log pop. dens. (2008)		**Log reg. voters (2017)**		**GSM coverage (2016)**	
Intensive Invite	0.254	0.160	0.056	0.060	0.032	0.005
	(0.365)	(0.370)	(0.061)	(0.055)	(0.062)	(0.055)
Control Mean	-9.847	-9.108	10.214	10.351	0.645	0.773
	Share owns radio (2015)		**Share radio news (2015)**		**Radio coverage (2016)**	
Intensive Invite	-0.019	-0.034	-0.017	-0.038	-0.109	0.024
	(0.025)	(0.022)	(0.026)	(0.025)	(1.347)	(1.384)
Control Mean	0.755	0.773	0.767	0.780	10.051	12.830
	Debate week		**Share sec. ed. (2008)**		**Share 18+ (2008)**	
Intensive Invite	0.028	-0.030	0.004	0.003	0.000	0.001
	(0.215)	(0.209)	(0.010)	(0.010)	(0.004)	(0.004)
Control Mean	3.980	3.979	0.137	0.154	0.483	0.487
Observations	73	73	73	73	73	73
Weight	None	Reg	None	Reg	None	Reg

Notes: Descriptions of all variables can be found in Table A1. All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A6: Individual-level balance (district covariates)

	VS of 1st place (2011)			**VS of 1st place (2011)**			**VS of 3rd place (2011)**		
Intensive Invite	0.007	-0.009	-0.014	-0.011	-0.005	-0.008	-0.000	-0.000	-0.001
	(0.025)	(0.021)	(0.021)	(0.009)	(0.008)	(0.009)	(0.007)	(0.006)	(0.005)
Control Mean	0.298	0.308	0.308	0.185	0.182	0.183	0.129	0.128	0.129
	Turnout (2011)			**Share ran in 2011**			**VS HHI (2011)**		
Intensive Invite	0.001	-0.004	-0.004	-0.043**	-0.012	-0.019	0.007	-0.005	-0.007
	(0.007)	(0.007)	(0.007)	(0.019)	(0.021)	(0.020)	(0.021)	(0.017)	(0.017)
Control Mean	0.665	0.659	0.667	0.275	0.270	0.266	0.181	0.189	0.188
	N. candidates (2017)			**Incumbent ran (2017)**			**Number of debates**		
Intensive Invite	-0.642	-0.549	-0.710	-0.072	-0.024	-0.057	-0.117	-0.091	-0.139
	(0.757)	(0.709)	(0.795)	(0.074)	(0.070)	(0.067)	(0.108)	(0.108)	(0.120)
Control Mean	15.084	13.963	14.833	0.912	0.860	0.889	2.291	2.152	2.265
	Log pop. dens. (2008)			**Log reg. voters (2017)**			**GSM coverage (2016)**		
Intensive Invite	0.207	0.246	0.149	0.072	0.055	0.059	0.029	0.032	0.004
	(0.317)	(0.312)	(0.317)	(0.052)	(0.052)	(0.047)	(0.050)	(0.053)	(0.047)
Control Mean	-8.975	-9.611	-9.096	10.342	10.215	10.354	0.795	0.695	0.774
	Share owns radio (2015)			**Share radio news (2015)**			**Radio coverage (2016)**		
Intensive Invite	-0.041**	-0.020	-0.035*	-0.035	-0.017	-0.039*	-0.172	-0.138	-0.010
	(0.020)	(0.022)	(0.019)	(0.025)	(0.022)	(0.022)	(1.222)	(1.159)	(1.190)
Control Mean	0.771	0.750	0.774	0.778	0.767	0.780	13.552	11.275	12.895
	Debate week			**Share sec. ed. (2008)**			**Share 18+ (2008)**		
Intensive Invite	-0.035	0.031	-0.026	0.006	0.004	0.002	-0.001	0.000	0.001
	(0.193)	(0.184)	(0.179)	(0.008)	(0.009)	(0.009)	(0.004)	(0.004)	(0.003)
Control Mean	4.162	4.148	3.980	0.160	0.146	0.154	0.488	0.485	0.487
Observations	4,061	4,061	4,061	4,061	4,061	4,061	4,061	4,061	4,061
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs

Notes: Descriptions of all variables can be found in Table A1. All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A7: Individual-level balance (individual covariates)

	Survey date			**Age**		
Intensive Invite	-1.063**	-0.796	-1.006*	0.163	0.359	0.225
	(0.523)	(0.572)	(0.573)	(0.439)	(0.464)	(0.437)
Control Mean	71.801	71.153	71.422	31.728	32.103	31.877
	Male			**Education level**		
Intensive Invite	0.011	0.025	0.021	0.067	0.102	0.081
	(0.015)	(0.016)	(0.016)	(0.086)	(0.084)	(0.075)
Control Mean	0.746	0.744	0.740	6.586	6.447	6.534
Observations	4,061	4,061	4,061	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs

Notes: All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A8: Polling station-level balance (district covariates)

	VS of 1st place (2011)			**VS of 1st place (2011)**			**VS of 3rd place (2011)**		
Intensive Invite	-0.015	-0.011	-0.015	-0.009	-0.005	-0.009	-0.001	-0.000	-0.001
	(0.021)	(0.021)	(0.021)	(0.009)	(0.008)	(0.009)	(0.005)	(0.006)	(0.005)
Control Mean	0.308	0.310	0.309	0.183	0.182	0.184	0.129	0.128	0.129
	Turnout (2011)			**Share ran in 2011**			**VS HHI (2011)**		
Intensive Invite	-0.004	-0.004	-0.004	-0.016	-0.012	-0.017	-0.009	-0.006	-0.008
	(0.007)	(0.007)	(0.007)	(0.021)	(0.021)	(0.020)	(0.017)	(0.017)	(0.018)
Control Mean	0.665	0.659	0.667	0.265	0.270	0.266	0.188	0.190	0.189
	N. candidates (2017)			**Incumbent ran (2017)**			**Number of debates**		
Intensive Invite	-0.652	-0.509	-0.681	-0.050	-0.019	-0.052	-0.125	-0.083	-0.131
	(0.771)	(0.716)	(0.798)	(0.067)	(0.070)	(0.066)	(0.118)	(0.109)	(0.121)
Control Mean	14.659	13.914	14.802	0.883	0.857	0.890	2.240	2.143	2.257
	Log pop. dens. (2008)			**Log reg. voters (2017)**			**GSM coverage (2016)**		
Intensive Invite	0.177	0.254	0.154	0.062	0.056	0.060	0.010	0.032	0.004
	(0.322)	(0.314)	(0.320)	(0.048)	(0.052)	(0.047)	(0.048)	(0.053)	(0.047)
Control Mean	-9.224	-9.623	-9.098	10.325	10.212	10.352	0.753	0.693	0.775
	Share owns radio (2015)			**Share radio news (2015)**			**Radio coverage (2016)**		
Intensive Invite	-0.031	-0.019	-0.033*	-0.037*	-0.017	-0.038*	-0.011	-0.109	-0.076
	(0.019)	(0.022)	(0.019)	(0.021)	(0.022)	(0.022)	(1.202)	(1.158)	(1.201)
Control Mean	0.770	0.750	0.773	0.778	0.766	0.780	12.496	11.214	12.931
	Debate week			**Share sec. ed. (2008)**			**Share 18+ (2008)**		
Intensive Invite	0.058	0.102	0.051	0.002	0.004	0.002	0.002	0.000	0.001
	(0.056)	(0.062)	(0.056)	(0.009)	(0.009)	(0.009)	(0.003)	(0.004)	(0.003)
Control Mean	1.181	1.200	1.176	0.152	0.145	0.154	0.486	0.485	0.487
Observations	5,386	5,386	5,386	5,386	5,386	5,386	5,386	5,386	5,386
Weight	No	1/PS	Reg	No	1/PS	Reg	No	1/PS	Reg

Notes: Descriptions of all variables can be found in Table A1. All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A9: Polling station-level balance (PS covariates)

	N. PS in VRC (2017)			**N. PS in VRC (2011)**			**New VRC**		
Intensive Invite	-0.098	0.008	-0.120	-0.115	-0.012	-0.143	-0.015	-0.009	-0.016
	(0.246)	(0.225)	(0.249)	(0.185)	(0.183)	(0.186)	(0.014)	(0.016)	(0.013)
Control Mean	3.604	3.326	3.806	3.400	3.220	3.572	0.112	0.118	0.102
	Urban			**Reg. Voters (2017)**			**Reg. Voters (2011)**		
Intensive Invite	0.065	0.078	0.061	2.198	4.625	0.641	-53.574	-0.110	-68.041
	(0.059)	(0.056)	(0.060)	(6.171)	(6.417)	(4.776)	(90.749)	(89.750)	(90.911)
Control Mean	0.300	0.227	0.327	403.853	395.974	418.529	1440.465	1350.474	1526.522
	Turnout (2011)			**Invalid votes (2011)**			**Radio covered**		
Intensive Invite	0.014	0.011	0.016*	0.002	0.004	0.002	-0.015	0.013	-0.024
	(0.009)	(0.009)	(0.009)	(0.003)	(0.003)	(0.003)	(0.054)	(0.052)	(0.054)
Control Mean	0.620	0.613	0.620	0.066	0.065	0.066	0.848	0.835	0.857
Observations	5,386	5,386	5,386	5,386	5,386	5,386	5,386	5,386	5,386
Weight	No	1/PS	Reg	No	1/PS	Reg	No	1/PS	Reg

Notes: Descriptions of all variables can be found in Table A1. Analysis throughout is at the polling station-level, where multiple polling stations exist within a single location called a VRC. 1780/2080 VRCs existed in the 2011 election; for these 300 new VRCs we assign district-level averages. All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A10: Incumbent balance

	Attendance		**Absent**		**Distant**	
	(1)	(2)	(3)	(4)	(5)	(6)
Intensive Invite	0.026	0.005	-0.001	0.012	-0.022	-0.012
	(0.031)	(0.032)	(0.019)	(0.023)	(0.022)	(0.021)
Control Mean	0.791	0.807	0.117	0.114	0.079	0.066
Observations	73	73	73	73	73	73
Weight	No	Reg	No	Reg	No	Reg

Notes: Outcome variables are plenary session attendance measures taken from legislator scorecards for 2016. Legislators either attend, are absent, or are away from Monrovia for each plenary session. All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A11: Candidate-level balance

	Response	Age	Univ ed	Radio	Male	Ran before	Gov job	Advocacy	NGO	Party: UP	Policy alignment	Debate performance
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. All candidates												
Intensive Invite	-0.031	-0.383	0.011	0.020	0.008	-0.023	-0.027	0.063	0.066	0.005	-0.022	0.008
	(0.030)	(0.948)	(0.049)	(0.013)	(0.026)	(0.031)	(0.030)	(0.026)	(0.035)	(0.008)	(0.016)	(0.010)
Control Mean	0.63	48.48	0.55	0.03	0.85	0.30	0.34	0.83	0.38	0.05	0.45	0.21
Observations	982	607	610	610	610	610	610	610	610	982	217	217
C. Incumbents												
Intensive Invite	0.115	2.394	0.061	-0.030	0.121	0.000	-0.394	-0.121	0.061	-0.046	-0.022	-0.012
	(0.132)	(4.085)	(0.210)	(0.200)	(0.174)	(.)	(0.212)	(0.174)	(0.255)	(0.114)	(0.020)	(0.019)
Control Mean	0.43	55.31	0.69	0.15	0.77	1.00	0.69	0.92	0.23	0.33	0.45	0.28
Observations	64	31	31	31	31	31	31	31	31	64	62	62
D. Challengers												
Intensive Invite	0.010	3.894	-0.014	-0.000	0.022	0.147	0.039	0.152	0.174	0.037	-0.023	0.015
	(0.081)	(1.674)	(0.098)	(0.051)	(0.064)	(0.100)	(0.091)	(0.066)	(0.101)	(0.049)	(0.017)	(0.012)
Control Mean	0.64	47.31	0.65	0.06	0.90	0.35	0.31	0.81	0.29	0.16	0.46	0.19
Observations	155	98	100	100	100	100	100	100	100	155	155	155

Notes: Panel A: unweighted balance tests for all candidate respondents, Panel B: restricted to incumbents; Panel C: restricted to predicted challengers. Outcomes: response to candidate survey; age in years; indicator for whether candidate completed university; indicator for whether they own or manage a radio station; indicator for candidate being male; indicator for candidate having run for office before; indicator for candidate having a government job before; indicator for candidate having advocacy experience; indicator for candidate working for an NGO before; indicator for belonging to ruling Unity Party; measure of policy alignment; measure of predicted debate performance. All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A12: Candidate-level balance (weighted)

	Response	Age	Univ ed	Radio	Male	Ran before	Gov job	Advocacy	NGO	Party: UP	Policy alignment	Debate performance
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. All candidates												
Intensive Invite	-0.047	-0.178	-0.015	0.030	0.023	-0.027	-0.016	0.042	0.056	-0.002	-0.030	0.012
	(0.034)	(0.902)	(0.056)	(0.017)	(0.031)	(0.035)	(0.038)	(0.027)	(0.037)	(0.011)	(0.017)	(0.013)
Control Mean	0.60	48.45	0.57	0.02	0.84	0.32	0.33	0.83	0.37	0.07	0.46	0.23
Observations	982	607	610	610	610	610	610	610	610	982	217	217
Weight	1/Cand	1/Cand	1/Cand	1/Cand	1/Cand	1/Cand	1/Cand	1/Cand	1/Cand	1/Cand	1/Cand	1/Cand
B. Challengers												
Intensive Invite	-0.033	4.954	0.034	0.009	0.004	0.164	0.056	0.140	0.164	0.047	-0.046	0.015
	(0.061)	(1.824)	(0.105)	(0.064)	(0.068)	(0.105)	(0.094)	(0.068)	(0.101)	(0.055)	(0.019)	(0.013)
Control Mean	0.68	46.17	0.61	0.07	0.90	0.33	0.27	0.80	0.27	0.17	0.46	0.19
Observations	133	98	100	100	100	100	100	100	100	133	133	133
Weight	1/Chal	1/Chal	1/Chal	1/Chal	1/Chal	1/Chal	1/Chal	1/Chal	1/Chal	1/Chal	1/Chal	1/Chal

Notes: Observations weighted by the inverse of the number of responding candidate types in a given district. Since there is one incumbent per district, for incumbents this would be identical to Panel B of Table A11 and thus we omit it. Panel A: all candidate respondents, Panel B: restricted to predicted challengers. Outcomes: response to candidate survey; age in years; indicator for whether candidate completed university; indicator for whether they own or manage a radio station; indicator for candidate being male; indicator for candidate having run for office before; indicator for candidate having a government job before; indicator for candidate having advocacy experience; indicator for candidate working for an NGO before; indicator for belonging to ruling Unity Party; measure of policy alignment; measure of predicted debate performance. All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$.

2.2.3 Demography-weighted specifications

Table A13: Candidate debate participation (demography-weighted)

	(1)	(2)
A. Share of candidates		
Intensive Invite	0.077**	0.078**
	(0.034)	(0.034)
Control Mean	0.542	0.540
Observations	4,060	4,060
Weight	No	Dem
B. Incumbent		
Intensive Invite	0.211**	0.215**
	(0.084)	(0.084)
Control Mean	0.280	0.276
Observations	4,060	4,060
Weight	No	Dem
C. Share of challengers		
Intensive Invite	0.213***	0.214***
	(0.074)	(0.074)
Control Mean	0.492	0.490
Observations	4,060	4,060
Weight	No	Dem
D. Share of other candidates		
Intensive Invite	0.002	0.003
	(0.030)	(0.030)
Control Mean	0.562	0.560
Observations	3,991	3,991
Weight	No	Dem

Notes: Outcomes: share of candidate types (all, incumbent, challenger, other candidate) who attended a debate out of all candidates in that district. Panel D has fewer observations due to only three candidates running in two districts (and hence no 'other candidates' defined). Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Dem* weights observations to be representative at the electoral district-level with respect to gender and education. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A14: Voting outcomes (demography-weighted)

	Main effect		Interaction term: Std. Performance		Interaction term: Std. Policy alignment	
1. Respondent-level	(1)	(2)	(3)	(4)	(5)	(6)
A. Incumbent						
Intensive Invite	0.041**	0.035	0.042**	0.036	0.038**	0.032
	(0.019)	(0.022)	(0.019)	(0.022)	(0.019)	(0.022)
Intensive Invite × $\widehat{\text{Performance}}$			0.069**	0.067**		
			(0.027)	(0.028)		
Intensive Invite × Policy alignment					0.042***	0.058***
					(0.016)	(0.020)
Control Mean	0.278	0.278	0.278	0.278	0.278	0.278
Observations	3,496	3,496	3,496	3,496	3,496	3,496
B. Challengers						
Intensive Invite	-0.036***	-0.038***	-0.035***	-0.038***	-0.036***	-0.038***
	(0.012)	(0.013)	(0.013)	(0.013)	(0.012)	(0.013)
Intensive Invite × $\widehat{\text{Performance}}$			0.017	0.015		
			(0.026)	(0.025)		
Intensive Invite × Policy alignment					-0.002	-0.002
					(0.007)	(0.008)
Control Mean	0.156	0.160	0.156	0.160	0.156	0.160
Observations	8,686	8,686	8,686	8,686	8,686	8,686
Weight	No	Dem	No	Dem	No	Dem

Notes: Outcomes: respondent reported voting for incumbent (Panel 1.A.) or a challenger (Panel 1.B.) at endline. Interactions: Columns 4-6: standardized candidate-level measures of predicted debate performance; 7-9: standardized respondent-candidate-level measures of policy alignment (measured at baseline). Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Dem* weights observations to be representative at the electoral district-level with respect to gender and education. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A15: Debate exposure and information acquisition (demography-weighted)

	(1)	(2)
A. Debate listening index		
Intensive Invite	0.294***	0.279**
	(0.101)	(0.113)
Observations	4,060	4,060
Weight	No	Dem
B. Debate knowledge index		
Intensive Invite	0.123*	0.117**
	(0.063)	(0.055)
Observations	4,060	4,060
Weight	No	Dem
C. Policy knowledge index		
Intensive Invite	0.165*	0.112
	(0.090)	(0.094)
Observations	4,060	4,060
Weight	No	Dem
D. Political information acquisition		
Intensive Invite	0.243***	0.208*
	(0.074)	(0.121)
Observations	4,060	4,060
Weight	No	Dem

Notes: Outcomes are standardized. Panel A: index of (1) indicator for respondent heard debate between baselind and endline; (2) how often respondent heard debate by endline; Panel B: index of (1) indicator for respondent's stated debate winner attended debate; (2) share of candidates respondent claims participated; (3) share of predicted leading candidates respondent claims participated; Panel C: change in how many questions about CSDF management respondents answered correctly. Panel D: index of (1) change in how much respondents listened to radio; (2) change in how much they discussed politics with friends; (3) how much they accessed other sources of political information. See Table A18 for disaggregated indicator-level results and Tables A31-A32 for predetermined covariate coefficients. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Dem* weights observations to be representative at the electoral district-level with respect to gender and education. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A16: Updating about candidates (demography-weighted)

	Certainty about competence		Certainty about policy	
1. Uncertainty	(1)	(2)	(3)	(4)
A. Incumbent				
Intensive Invite	0.180*	0.190*	0.180**	0.226***
	(0.100)	(0.097)	(0.068)	(0.069)
Observations	3,496	3,496	3,496	3,496
Weight	No	Dem	No	Dem
B. Challengers				
Intensive Invite	0.060	0.063	0.147**	0.069
	(0.066)	(0.078)	(0.060)	(0.071)
Observations	8,686	8,686	8,686	8,686
Weight	No	Dem	No	Dem

	Beliefs about competence		Learning about policy	
2. Levels	(1)	(2)	(3)	(4)
A. Incumbent				
Intensive Invite	0.119	0.174	0.135*	0.106
	(0.080)	(0.105)	(0.070)	(0.076)
Observations	3,496	3,496	3,496	3,496
Weight	No	Dem	No	Dem
B. Challengers				
Intensive Invite	-0.060	-0.040	0.053	0.025
	(0.077)	(0.084)	(0.063)	(0.082)
Observations	8,686	8,686	8,686	8,686
Weight	No	Dem	No	Dem

Notes: Outcomes are standardized. Panel 1: Columns 1-3: change in certainty about candidates' competence; 4-6: change in certainty about candidates' policy priorities; Panel 2: Columns 1-3: change in perceptions of candidates' competence; 4-6: change in correctly learning candidates' policy priorities. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Dem* weights observations to be representative at the electoral district-level with respect to gender and education. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A17: Candidate campaigning (demography-weighted)

	Ground		Radio	
	(1)	(2)	(3)	(4)
A. Incumbent				
Intensive Invite	-0.027	-0.073	0.091**	0.089**
	(0.040)	(0.046)	(0.037)	(0.036)
Observations	3,492	3,492	3,496	3,496
Weight	No	Dem	No	Dem
B. Challengers				
Intensive Invite	-0.067*	-0.099**	-0.028	-0.012
	(0.037)	(0.038)	(0.028)	(0.031)
Observations	8,678	8,678	8,686	8,686
Weight	No	Dem	No	Dem

Notes: Outcomes are standardized. Columns 1-3: index of how often candidates (1) visited; (2) distributed leaflets; (3) bought votes in respondents' communities; 4-6: index of how often respondents heard candidates on radio in two weeks before election. See Table A19 for disaggregated indicator-level results, and Table A35 for predetermined covariate coefficients. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Dem* weights observations to be representative at the electoral district-level with respect to gender and education. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

2.2.4 Effects on disaggregated outcomes

Table A18: Debate exposure (supplementary)

	(1)	(2)	(3)
A. Debate listening index			
(1) Change in heard debate			
Intensive Invite	0.080***	0.081***	0.103***
	(0.028)	(0.025)	(0.026)
Control Mean	0.084	0.082	0.082
(2) Heard debate			
Intensive Invite	0.038*	0.035*	0.051**
	(0.022)	(0.020)	(0.021)
Control Mean	0.195	0.202	0.193
(3) Number of times heard			
Intensive Invite	0.078*	0.088**	0.110**
	(0.045)	(0.042)	(0.042)
Control Mean	0.420	0.440	0.420
B. Debate knowledge index			
(1) Debate winner attended debate			
Intensive Invite	0.072**	0.075**	0.093***
	(0.031)	(0.029)	(0.029)
Control Mean	0.291	0.297	0.283
(2) Stated share of participating candidates			
Intensive Invite	0.023	0.024*	0.031**
	(0.015)	(0.014)	(0.014)
Control Mean	0.111	0.115	0.111
(3) Stated share of participating leading candidates			
Intensive Invite	0.030*	0.026*	0.038**
	(0.017)	(0.015)	(0.017)
Control Mean	0.145	0.153	0.148
C. Policy knowledge index			
(1) Manager of CSDF			
Intensive Invite	0.042	0.054	0.043
	(0.029)	(0.037)	(0.033)
Control Mean	0.237	0.231	0.243
(2) CSDF reporting requirement			
Intensive Invite	-0.002	0.025	0.003
	(0.033)	(0.036)	(0.034)
Control Mean	0.247	0.249	0.247
(3) CSDF citizen involvement requirement			
Intensive Invite	0.092**	0.107**	0.104**
	(0.040)	(0.053)	(0.045)
Control Mean	0.246	0.246	0.244
Observations	4060	4060	4060
Weight	No	1/Obs	Reg/Obs
D. Political information demand index			
(1) Change in radio listening			
Intensive Invite	0.276*	0.437**	0.332**
	(0.140)	(0.168)	(0.165)
Control Mean	0.233	0.213	0.232
(2) Demand for non-radio information sources			
Intensive Invite	0.156**	0.179**	0.187**
	(0.078)	(0.087)	(0.085)
Control Mean	4.970	4.800	4.932
(3) Change in political discussion with friends			
Intensive Invite	0.475**	0.409*	0.425**
	(0.182)	(0.232)	(0.191)
Control Mean	-0.124	-0.106	-0.117

Notes: All outcome variables are described in Appendix A.6. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A19: Candidate campaigning (supplementary)

	(1)	(2)	(3)
A. Incumbent			
(1) Candidate visited community			
Intensive Invite	-0.021	-0.025	-0.026
	(0.016)	(0.022)	(0.021)
Control Mean	0.823	0.824	0.820
(2) Candidate distributed leaflets			
Intensive Invite	-0.008	-0.006	-0.003
	(0.010)	(0.011)	(0.011)
Control Mean	0.935	0.933	0.932
(3) Vote buying for candidate			
Intensive Invite	0.051	0.081**	0.073**
	(0.031)	(0.032)	(0.031)
Control Mean	2.258	2.223	2.231
Observations	3,492	3,492	3,492
B. Challenger			
(1) Candidate visited community			
Intensive Invite	-0.035***	-0.028**	-0.033**
	(0.013)	(0.011)	(0.013)
Control Mean	0.756	0.753	0.753
(2) Candidate distributed leaflets			
Intensive Invite	-0.015*	-0.017**	-0.019**
	(0.007)	(0.008)	(0.009)
Control Mean	0.905	0.908	0.907
(3) Vote buying for candidate			
Intensive Invite	0.018	-0.001	0.003
	(0.041)	(0.044)	(0.039)
Control Mean	2.109	2.145	2.132
Observations	8,678	8,678	8,678
Weight	No	1/Obs	Reg/Obs

Notes: All outcome variables are described in Appendix A.6. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

2.2.5 Other tables

Table A20: Candidate debate participation (supplementary)

	(1)	(2)	(3)
A. Election winner			
Intensive Invite	0.253**	0.201**	0.274***
	(0.098)	(0.089)	(0.093)
Control Mean	0.501	0.520	0.474
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
B. Share of actual challengers			
Intensive Invite	0.266***	0.173**	0.236***
	(0.069)	(0.069)	(0.069)
Control Mean	0.488	0.572	0.525
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
C. Share of actual other candidates			
Intensive Invite	0.017	0.029	0.036
	(0.039)	(0.037)	(0.038)
Control Mean	0.563	0.584	0.584
Observations	3,991	3,991	3,991
Weight	No	1/Obs	Reg/Obs

Notes: Outcome: share of the respective set of candidates (winner, actual challenger) who attended a debate out of all candidates in that district. Actual challengers are candidates who ranked in the top three in their race in the election but were not the incumbent. Actual other candidates are those who did not rank in the top three. Panel C has fewer observations due to only three candidates running in two districts (and hence no 'actual other candidates' defined). Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A21: Candidate debate participation (district-level)

	(1)	(2)
A. Share of candidates		
Intensive Invite	0.064	0.092*
	(0.044)	(0.048)
Control Mean	0.572	0.587
Observations	73	73
Weight	No	Reg
B. Incumbent		
Intensive Invite	0.174	0.232*
	(0.105)	(0.119)
Control Mean	0.371	0.415
Observations	73	73
Weight	No	Reg
C. Share of challengers		
Intensive Invite	0.143	0.222**
	(0.093)	(0.097)
Control Mean	0.552	0.573
Observations	73	73
Weight	No	Reg
D. Share of other candidates		
Intensive Invite	0.008	0.009
	(0.042)	(0.043)
Control Mean	0.583	0.600
Observations	71	71
Weight	No	Reg

Notes: Outcomes: share of candidate types (all, incumbent, challenger, other candidate) who attended a debate out of all candidates in that district. Panel D has fewer observations due to only three candidates running in two districts (and hence no 'other candidates' defined). For weighted specifications, *Reg* is the number of registered voters in that district. All specifications are estimated using OLS and include randomization block fixed effects. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A22: Debate rebroadcasting

	(1)	(2)	(3)
A. Radio monitors			
Intensive Invite	0.386	-0.718	-0.224
	(1.001)	(0.864)	(0.980)
Control Mean	5.230	5.618	5.466
B. Radio survey			
Intensive Invite	1.044	0.304	0.720
	(1.052)	(0.915)	(0.961)
Control Mean	7.473	7.702	7.698
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs

Notes: Outcomes: Panel A: number of rebroadcasts confirmed by radio monitors; Panel B: number of rebroadcasts based on survey of radio stations, including those not contracted to rebroadcast but recorded as being present in the debate venue. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A23: Effects on voting outcomes (Panel specification)

	Main effect			Interaction term: Std. Performance			Interaction term: Std. Policy alignment		
1. Respondent-level	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. Incumbent									
Intensive Invite	0.050***	0.049**	0.041**	0.052***	0.049**	0.042**	0.048**	0.045**	0.038*
	(0.019)	(0.021)	(0.020)	(0.018)	(0.020)	(0.019)	(0.019)	(0.021)	(0.020)
Intensive Invite × $\widehat{\text{Performance}}$				0.064**	0.055*	0.051*			
				(0.026)	(0.031)	(0.029)			
Intensive Invite × Policy alignment							0.036**	0.049***	0.048***
							(0.014)	(0.016)	(0.016)
Control Mean	0.197	0.201	0.204	0.197	0.201	0.204	0.197	0.201	0.204
Observations	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496
B. Challengers									
Intensive Invite	-0.035***	-0.034***	-0.028**	-0.035***	-0.035***	-0.028**	-0.035***	-0.034***	-0.028**
	(0.012)	(0.011)	(0.011)	(0.012)	(0.010)	(0.011)	(0.012)	(0.011)	(0.011)
Intensive Invite × $\widehat{\text{Performance}}$				0.002	0.009	-0.001			
				(0.023)	(0.024)	(0.024)			
Intensive Invite × Policy alignment							-0.001	-0.007	-0.004
							(0.006)	(0.008)	(0.008)
Control Mean	0.128	0.132	0.128	0.128	0.132	0.128	0.128	0.132	0.128
Observations	8,686	8,686	8,686	8,686	8,686	8,686	8,686	8,686	8,686
Weight	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs	No	1/Obs	Reg/Obs

Notes: Panels 1.A. and 1.B: Outcome: Change in indicator that respondent reported voting for incumbent (Panel A) or a predicted challenger (Panel B) between baseline and endline. Columns 4-6 interact treatment assignment with standardized candidate-level measures of predicted debate performance; 7-9 interact treatment with standardized respondent-candidate-level measures of policy alignment (measured at baseline). All specifications estimated using OLS including randomization block fixed effects. Panel 1 adds enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A24: Rebroadcasting intervention

	(1)	(2)	(3)
A. Full sample			
Rebroadcast	0.161	0.115	0.151
	(0.111)	(0.108)	(0.123)
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs
B. Respondents in *Intensive Invite* districts			
Rebroadcast	-0.030	-0.078	-0.020
	(0.203)	(0.157)	(0.201)
Observations	2,252	2,252	2,252
Weight	No	1/Obs	Reg/Obs

Notes: Outcome is standardized index of debate exposure. Panel A uses respondents in full sample of electoral districts; Panel B restricts to respondents in electoral districts assigned to *Intensive Invite*. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A25: Effects on coordination

	(1)	(2)	(3)
(1) Discussed debate with friends			
Intensive Invite	0.129*	0.138**	0.174**
	(0.073)	(0.068)	(0.068)
Control Mean	1.645	1.656	1.626
(2) Discussion led to coordination			
Intensive Invite	0.208**	0.210***	0.251***
	(0.079)	(0.074)	(0.075)
Control Mean	1.686	1.697	1.664
Observations	4,060	4,060	4,060
Weight	No	1/Obs	Reg/Obs

Notes: Outcomes: How much respondents discussed the debate with friends; How much this discussion led to coordinating their vote choices. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

2.2.6 Tables with predetermined covariate coefficients

Table A26: Candidate debate participation (Table 5)

	(1)		(2)		(3)	
A. Share of candidates						
Intensive Invite	0.077**	(0.034)	0.065**	(0.031)	0.092***	(0.034)
Scheduled debate week	-0.057**	(0.027)	-0.075***	(0.022)	-0.046*	(0.026)
Number of candidates (2017)	-0.009	(0.014)	0.000	(0.012)	-0.007	(0.014)
Incumbent ran in election (2017)	0.098*	(0.051)	0.136***	(0.047)	0.133**	(0.056)
Log registered voters (2017)	-0.178**	(0.080)	-0.162**	(0.073)	-0.180**	(0.076)
Number of debates in district	-0.006	(0.075)	-0.009	(0.066)	-0.003	(0.068)
1st voteshare (2011)	-0.352	(0.667)	-0.162	(0.514)	-0.397	(0.594)
2nd voteshare (2011)	-1.163*	(0.588)	-0.519	(0.531)	-0.890	(0.605)
3rd voteshare (2011)	1.688**	(0.726)	1.866**	(0.740)	1.291	(0.825)
Voteshare HHI (2011)	0.745	(0.852)	0.200	(0.664)	0.618	(0.794)
Turnout (2011)	1.923**	(0.873)	2.648***	(0.818)	2.935***	(0.860)
Share of repeat candidates (2017)	-0.589***	(0.194)	-0.674***	(0.197)	-0.738***	(0.200)
Log population density (2008)	-0.057**	(0.027)	-0.058**	(0.026)	-0.065**	(0.027)
Share with GSM coverage (2015)	0.431***	(0.110)	0.435***	(0.098)	0.379***	(0.107)
Share owns a radio (2016)	0.993***	(0.265)	0.717***	(0.206)	0.913***	(0.245)
Share gets radio news often (2016)	-0.689***	(0.223)	-0.490**	(0.208)	-0.623***	(0.221)
Share over 18 (2008)	2.530	(1.574)	3.132**	(1.288)	2.339	(1.485)
Share with secondary education (2008)	-0.110	(0.649)	0.046	(0.588)	0.133	(0.629)
Avg. N radio stations covering each town (2016)	-0.003	(0.006)	-0.010*	(0.006)	-0.006	(0.006)
Control Mean	0.542		0.573		0.557	
Observations	4,060		4,060		4,060	
B. Incumbent						
Intensive Invite	0.211**	(0.084)	0.176**	(0.073)	0.234***	(0.083)
Scheduled debate week	-0.324***	(0.075)	-0.317***	(0.072)	-0.273***	(0.080)
Number of candidates (2017)	0.015	(0.029)	0.045*	(0.026)	0.039	(0.027)
Incumbent ran in election (2017)	0.281**	(0.120)	0.320***	(0.117)	0.320**	(0.124)
Log registered voters (2017)	-0.679**	(0.296)	-0.321	(0.245)	-0.549*	(0.291)
Number of debates in district	-0.002	(0.169)	-0.182	(0.147)	-0.117	(0.148)
1st voteshare (2011)	-1.198	(1.549)	-0.163	(1.371)	-0.604	(1.388)
2nd voteshare (2011)	-0.100	(1.842)	1.852	(1.722)	-0.159	(1.765)
3rd voteshare (2011)	1.342	(2.140)	0.899	(1.874)	1.741	(2.056)
Voteshare HHI (2011)	2.070	(1.891)	0.508	(1.650)	1.303	(1.714)
Turnout (2011)	-3.004	(2.332)	-2.090	(1.958)	-0.878	(1.986)
Share of repeat candidates (2017)	0.439	(0.543)	0.728	(0.526)	0.687	(0.559)
Log population density (2008)	0.018	(0.078)	-0.030	(0.064)	-0.023	(0.063)
Share with GSM coverage (2015)	-0.717**	(0.357)	-0.702**	(0.302)	-0.816**	(0.315)
Share owns a radio (2016)	0.257	(0.613)	0.158	(0.587)	0.446	(0.579)
Share gets radio news often (2016)	-1.171**	(0.513)	-1.076**	(0.520)	-1.080**	(0.501)
Share over 18 (2008)	-9.086**	(4.229)	-9.504***	(3.566)	-10.597***	(3.718)
Share with secondary education (2008)	3.263**	(1.550)	2.994**	(1.349)	3.513**	(1.480)
Avg. N radio stations covering each town (2016)	0.018	(0.014)	0.005	(0.013)	0.011	(0.013)
Control Mean	0.280		0.372		0.299	
Observations	4,060		4,060		4,060	
C. Share of challengers						
Intensive Invite	0.213***	(0.074)	0.143**	(0.064)	0.221***	(0.068)
Scheduled debate week	-0.048	(0.051)	-0.087*	(0.047)	-0.059	(0.046)
Number of candidates (2017)	-0.036	(0.024)	-0.023	(0.022)	-0.042*	(0.023)
Incumbent ran in election (2017)	0.197**	(0.097)	0.216**	(0.092)	0.220**	(0.097)
Log registered voters (2017)	-0.378*	(0.206)	-0.336*	(0.201)	-0.426**	(0.203)
Number of debates in district	0.135	(0.139)	0.103	(0.133)	0.157	(0.130)
1st voteshare (2011)	2.592**	(1.228)	2.777**	(1.131)	2.745**	(1.208)
2nd voteshare (2011)	0.003	(1.005)	0.546	(1.024)	-0.092	(1.044)
3rd voteshare (2011)	2.594*	(1.352)	3.105**	(1.317)	2.447	(1.490)
Voteshare HHI (2011)	-3.172**	(1.433)	-3.448**	(1.310)	-3.336**	(1.448)
Turnout (2011)	5.456***	(1.675)	4.411***	(1.555)	5.717***	(1.550)
Share of repeat candidates (2017)	-0.984**	(0.436)	-1.241***	(0.405)	-1.205***	(0.418)
Log population density (2008)	-0.139**	(0.054)	-0.111**	(0.053)	-0.170***	(0.054)
Share with GSM coverage (2015)	0.760***	(0.222)	0.897***	(0.203)	0.893***	(0.208)
Share owns a radio (2016)	1.692***	(0.612)	1.415***	(0.529)	1.710***	(0.591)
Share gets radio news often (2016)	-0.607	(0.514)	-0.663	(0.447)	-0.730	(0.488)
Share over 18 (2008)	8.280***	(2.943)	9.828***	(2.436)	9.459***	(2.649)
Share with secondary education (2008)	1.195	(1.331)	0.384	(1.274)	1.602	(1.182)
Avg. N radio stations covering each town (2016)	-0.022*	(0.013)	-0.027**	(0.012)	-0.020	(0.013)
Control Mean	0.492		0.554		0.528	
Observations	4,060		4,060		4,060	
D. Share of other candidates						
Intensive Invite	0.002	(0.030)	0.007	(0.029)	0.009	(0.029)
Scheduled debate week	0.015	(0.030)	-0.011	(0.029)	0.032	(0.029)
Number of candidates (2017)	-0.022**	(0.011)	-0.013	(0.011)	-0.021*	(0.011)
Incumbent ran in election (2017)	0.018	(0.049)	0.063	(0.046)	0.051	(0.049)
Log registered voters (2017)	-0.107	(0.098)	-0.122	(0.087)	-0.112	(0.096)
Number of debates in district	-0.022	(0.058)	-0.009	(0.057)	-0.009	(0.053)
1st voteshare (2011)	-1.886***	(0.591)	-1.586***	(0.518)	-1.976***	(0.535)
2nd voteshare (2011)	-2.476***	(0.520)	-1.934***	(0.512)	-2.291***	(0.517)
3rd voteshare (2011)	1.015	(0.686)	1.356*	(0.721)	0.623	(0.793)
Voteshare HHI (2011)	2.899***	(0.764)	2.196***	(0.692)	2.852***	(0.722)
Turnout (2011)	1.635*	(0.878)	2.636***	(0.745)	2.766***	(0.800)
Share of repeat candidates (2017)	-0.453**	(0.190)	-0.558***	(0.206)	-0.660***	(0.211)
Log population density (2008)	-0.035	(0.029)	-0.038	(0.028)	-0.035	(0.027)
Share with GSM coverage (2015)	0.469***	(0.114)	0.414***	(0.108)	0.373***	(0.121)
Share owns a radio (2016)	0.919***	(0.216)	0.649***	(0.186)	0.808***	(0.206)
Share gets radio news often (2016)	-0.610***	(0.207)	-0.378*	(0.206)	-0.582***	(0.207)
Share over 18 (2008)	1.928	(1.421)	2.265*	(1.278)	1.860	(1.386)
Share with secondary education (2008)	-0.826	(0.791)	-0.311	(0.667)	-0.570	(0.707)
Avg. N radio stations covering each town (2016)	0.006	(0.006)	-0.002	(0.005)	0.003	(0.006)
Control Mean	0.562		0.583		0.575	
Observations	3,991		3,991		3,991	
Weight	No		1/Obs		Reg/Obs	

Notes: Outcomes: share of candidate types (all, incumbent, challenger, other candidate) who attended a debate out of all candidates in that district. Panel D has fewer observations due to only three candidates running in two districts (and hence no 'other candidates' defined). Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A27: Voting outcomes (Table 6, Panel 1.A.)

	Main effect						Interaction term: Std. Performance						Std. Policy alignment					
1. Respondent-level	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)	
A. Incumbent																		
Intensive Invite	0.041**	(0.019)	0.047**	(0.022)	0.037*	(0.021)	0.042**	(0.019)	0.047**	(0.021)	0.038*	(0.020)	0.038**	(0.019)	0.043*	(0.022)	0.034	(0.020)
Intensive Invite × $\widehat{\text{Performance}}$							0.069**	(0.027)	0.068**	(0.032)	0.062**	(0.030)						
Intensive Invite × Policy alignment													0.042***	(0.016)	0.052***	(0.018)	0.055***	(0.018)
Days since Sept 1	0.003***	(0.001)	0.002*	(0.001)	0.002**	(0.001)	0.003***	(0.001)	0.002*	(0.001)	0.002**	(0.001)	0.003***	(0.001)	0.002*	(0.001)	0.002**	(0.001)
Respondent is male	-0.018	(0.019)	-0.016	(0.021)	-0.019	(0.019)	-0.018	(0.019)	-0.016	(0.021)	-0.019	(0.019)	-0.018	(0.019)	-0.017	(0.021)	-0.020	(0.019)
Respondent age	0.001	(0.001)	0.001	(0.001)	0.001	(0.001)	0.001	(0.001)	0.001	(0.001)	0.001	(0.001)	0.001	(0.001)	0.001	(0.001)	0.001	(0.001)
Education: Primary	-0.040	(0.037)	-0.018	(0.050)	-0.017	(0.048)	-0.044	(0.037)	-0.020	(0.050)	-0.019	(0.048)	-0.041	(0.037)	-0.019	(0.049)	-0.020	(0.048)
Education: Secondary	0.004	(0.020)	0.017	(0.024)	0.010	(0.021)	0.004	(0.020)	0.017	(0.024)	0.010	(0.021)	0.004	(0.020)	0.020	(0.024)	0.014	(0.021)
Education: Tertiary	-0.049**	(0.020)	-0.035	(0.024)	-0.039*	(0.022)	-0.049**	(0.020)	-0.034	(0.023)	-0.039*	(0.022)	-0.049**	(0.020)	-0.036	(0.024)	-0.040*	(0.022)
Candidate party: UP	0.057	(0.048)	0.095**	(0.045)	0.046	(0.048)	0.070	(0.048)	0.102**	(0.044)	0.065	(0.048)	0.053	(0.048)	0.088**	(0.044)	0.042	(0.047)
Number of candidates (2017)	-0.003	(0.012)	0.000	(0.012)	-0.010	(0.010)	-0.001	(0.010)	-0.002	(0.011)	-0.010	(0.009)	-0.004	(0.011)	-0.000	(0.012)	-0.011	(0.010)
Incumbent ran in election (2017)	-0.171***	(0.051)	-0.133**	(0.058)	-0.124**	(0.057)	-0.229***	(0.055)	-0.196***	(0.062)	-0.182***	(0.062)	-0.172***	(0.050)	-0.139**	(0.058)	-0.125**	(0.056)
Log registered voters (2017)	0.050	(0.103)	-0.043	(0.113)	-0.012	(0.110)	0.104	(0.102)	0.021	(0.107)	0.032	(0.106)	0.049	(0.102)	-0.043	(0.113)	-0.019	(0.109)
Number of debates in district	0.028	(0.057)	0.024	(0.060)	0.077	(0.053)	0.009	(0.050)	0.020	(0.054)	0.063	(0.047)	0.033	(0.056)	0.026	(0.060)	0.083	(0.053)
1st voteshare (2011)	1.270***	(0.390)	0.847**	(0.328)	0.971***	(0.359)	0.502	(0.432)	0.344	(0.383)	0.462	(0.412)	1.240***	(0.379)	0.860***	(0.317)	0.988***	(0.350)
2nd voteshare (2011)	0.096	(0.326)	-0.045	(0.355)	0.079	(0.349)	-0.082	(0.322)	-0.228	(0.349)	-0.144	(0.350)	0.050	(0.318)	-0.100	(0.343)	0.006	(0.335)
3rd voteshare (2011)	0.066	(0.530)	-0.416	(0.600)	-0.454	(0.584)	0.175	(0.479)	-0.196	(0.536)	-0.334	(0.527)	0.057	(0.531)	-0.392	(0.610)	-0.441	(0.596)
Voteshare HHI (2011)	-1.646***	(0.422)	-1.233***	(0.378)	-1.421***	(0.412)	-0.668	(0.512)	-0.541	(0.502)	-0.732	(0.517)	-1.623***	(0.410)	-1.252***	(0.365)	-1.445***	(0.401)
Turnout (2011)	-2.099	(1.263)	-1.627	(1.302)	-1.452	(1.336)	-3.414***	(1.228)	-2.717**	(1.339)	-2.518*	(1.402)	-2.037	(1.252)	-1.518	(1.306)	-1.325	(1.340)
Share of repeat candidates (2017)	0.398	(0.258)	0.369	(0.296)	0.294	(0.285)	0.590**	(0.236)	0.512*	(0.281)	0.424	(0.267)	0.377	(0.255)	0.355	(0.294)	0.274	(0.282)
Log population density (2008)	-0.007	(0.034)	-0.010	(0.034)	-0.024	(0.035)	0.021	(0.033)	0.019	(0.036)	0.004	(0.037)	-0.007	(0.033)	-0.014	(0.033)	-0.027	(0.034)
Share with GSM coverage (2015)	-0.088	(0.154)	0.033	(0.181)	0.075	(0.182)	-0.224	(0.175)	-0.153	(0.223)	-0.087	(0.213)	-0.085	(0.154)	0.044	(0.184)	0.089	(0.185)
Share owns a radio (2016)	-0.113	(0.196)	-0.001	(0.205)	-0.046	(0.204)	-0.197	(0.198)	-0.136	(0.221)	-0.147	(0.215)	-0.123	(0.192)	-0.000	(0.201)	-0.044	(0.200)
Share gets radio news often (2016)	0.021	(0.237)	-0.152	(0.255)	-0.056	(0.226)	0.148	(0.242)	0.084	(0.288)	0.099	(0.246)	0.037	(0.231)	-0.148	(0.252)	-0.052	(0.220)
Share over 18 (2008)	-2.065	(1.365)	-1.163	(1.524)	-1.044	(1.630)	-3.135**	(1.400)	-1.885	(1.566)	-1.997	(1.649)	-1.916	(1.372)	-0.976	(1.526)	-0.840	(1.650)
Share with secondary education (2008)	0.571	(0.511)	0.639	(0.509)	0.572	(0.476)	0.443	(0.479)	0.677	(0.508)	0.616	(0.480)	0.550	(0.497)	0.681	(0.498)	0.616	(0.458)
Avg. N radio stations covering each town (2016)	0.011***	(0.004)	0.011**	(0.005)	0.011**	(0.006)	0.015***	(0.005)	0.014**	(0.006)	0.015**	(0.006)	0.011***	(0.004)	0.011**	(0.005)	0.011**	(0.006)
ED: scheduled debate week	-0.202***	(0.076)	-0.169*	(0.087)	-0.168*	(0.088)	-0.275***	(0.086)	-0.241**	(0.096)	-0.236**	(0.098)	-0.201**	(0.076)	-0.173**	(0.086)	-0.172*	(0.088)
Control Mean	0.278		0.282		0.288		0.278		0.282		0.288		0.278		0.282		0.288	
Observations	3,496		3,496		3,496		3,496		3,496		3,496		3,496		3,496		3,496	

Notes: Outcomes: respondent reported voting for incumbent at endline. Interactions: Columns 4-6: standardized candidate-level measures of predicted debate performance; 7-9: standardized respondent-candidate-level measures of policy alignment (measured at baseline). All specifications estimated using OLS including randomization block fixed effects. Panel 1 adds enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Panel 2 adds predetermined covariates defined at the electoral district, polling station, and candidate levels. Weights: *PS*: polling stations in electoral district; *Reg*: registered voters at polling station. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A28: Voting outcomes (Table 6, Panel 1.B.)

	Main effect						Interaction term: Std. Performance						Std. Policy alignment					
1. Respondent-level	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)	
B. Challengers																		
Intensive Invite	-0.036***	(0.012)	-0.035***	(0.011)	-0.027**	(0.012)	-0.035***	(0.013)	-0.037***	(0.011)	-0.027**	(0.012)	-0.036***	(0.012)	-0.035***	(0.011)	-0.027**	(0.012)
Intensive Invite × $\widehat{\text{Performance}}$							0.017	(0.026)	0.023	(0.027)	0.012	(0.027)						
Intensive Invite × Policy alignment													-0.002	(0.007)	-0.004	(0.008)	-0.002	(0.008)
Days since Sept 1	0.002***	(0.000)	0.002***	(0.000)	0.002***	(0.000)	0.002***	(0.000)	0.002***	(0.000)	0.002***	(0.000)	0.002***	(0.000)	0.002***	(0.000)	0.002***	(0.000)
Respondent is male	-0.007	(0.009)	-0.005	(0.010)	-0.005	(0.010)	-0.007	(0.009)	-0.005	(0.010)	-0.005	(0.010)	-0.007	(0.009)	-0.005	(0.010)	-0.005	(0.010)
Respondent age	0.001*	(0.000)	0.000	(0.000)	0.000	(0.000)	0.001*	(0.000)	0.000	(0.000)	0.000	(0.000)	0.001*	(0.000)	0.000	(0.000)	0.000	(0.000)
Education: Primary	0.009	(0.016)	0.009	(0.019)	0.008	(0.017)	0.009	(0.016)	0.010	(0.019)	0.008	(0.017)	0.009	(0.016)	0.009	(0.019)	0.008	(0.017)
Education: Secondary	-0.012	(0.009)	-0.021*	(0.011)	-0.014	(0.011)	-0.012	(0.009)	-0.021*	(0.011)	-0.014	(0.011)	-0.012	(0.009)	-0.021*	(0.011)	-0.014	(0.011)
Education: Tertiary	0.012	(0.009)	0.016	(0.011)	0.012	(0.011)	0.012	(0.009)	0.016	(0.011)	0.013	(0.011)	0.012	(0.009)	0.016	(0.011)	0.012	(0.011)
Candidate party: UP	0.032	(0.026)	0.041	(0.029)	0.042	(0.028)	0.031	(0.026)	0.040	(0.028)	0.041	(0.028)	0.032	(0.026)	0.041	(0.029)	0.042	(0.028)
Number of candidates (2017)	-0.003	(0.004)	-0.003	(0.004)	-0.002	(0.004)	-0.002	(0.005)	-0.002	(0.004)	-0.001	(0.004)	-0.003	(0.004)	-0.003	(0.004)	-0.002	(0.004)
Incumbent ran in election (2017)	-0.028**	(0.014)	-0.028**	(0.013)	-0.028**	(0.013)	-0.027*	(0.014)	-0.028**	(0.013)	-0.028**	(0.013)	-0.028**	(0.014)	-0.029**	(0.013)	-0.028**	(0.013)
Log registered voters (2017)	0.078**	(0.035)	0.076**	(0.030)	0.057*	(0.033)	0.076**	(0.034)	0.078**	(0.030)	0.056*	(0.033)	0.079**	(0.035)	0.077**	(0.030)	0.057*	(0.032)
Number of debates in district	-0.001	(0.025)	-0.000	(0.022)	-0.007	(0.024)	-0.003	(0.027)	-0.000	(0.023)	-0.007	(0.025)	-0.001	(0.025)	-0.000	(0.022)	-0.007	(0.024)
1st voteshare (2011)	-0.165	(0.209)	-0.198	(0.206)	-0.211	(0.234)	-0.160	(0.212)	-0.213	(0.213)	-0.207	(0.235)	-0.162	(0.209)	-0.195	(0.207)	-0.210	(0.234)
2nd voteshare (2011)	0.300	(0.189)	0.337*	(0.175)	0.317*	(0.184)	0.264	(0.183)	0.288*	(0.165)	0.289	(0.182)	0.303	(0.187)	0.343*	(0.174)	0.319*	(0.182)
3rd voteshare (2011)	-0.447*	(0.243)	-0.363	(0.272)	-0.319	(0.284)	-0.473*	(0.244)	-0.395	(0.276)	-0.345	(0.292)	-0.447*	(0.242)	-0.365	(0.272)	-0.319	(0.284)
Voteshare HHI (2011)	0.178	(0.250)	0.218	(0.232)	0.234	(0.260)	0.183	(0.250)	0.254	(0.233)	0.238	(0.262)	0.175	(0.250)	0.215	(0.233)	0.233	(0.260)
Turnout (2011)	-0.147	(0.259)	-0.198	(0.248)	-0.097	(0.268)	-0.130	(0.266)	-0.189	(0.258)	-0.083	(0.276)	-0.147	(0.260)	-0.199	(0.248)	-0.097	(0.268)
Share of repeat candidates (2017)	-0.035	(0.067)	-0.002	(0.067)	-0.013	(0.076)	-0.025	(0.065)	0.000	(0.066)	-0.008	(0.074)	-0.035	(0.067)	-0.001	(0.067)	-0.013	(0.076)
Log population density (2008)	-0.023*	(0.012)	-0.011	(0.012)	-0.012	(0.012)	-0.023*	(0.012)	-0.010	(0.012)	-0.012	(0.012)	-0.023*	(0.012)	-0.011	(0.012)	-0.012	(0.012)
Share with GSM coverage (2015)	0.123***	(0.042)	0.078	(0.048)	0.074	(0.050)	0.122***	(0.040)	0.081*	(0.046)	0.076	(0.049)	0.123***	(0.042)	0.077	(0.048)	0.074	(0.049)
Share owns a radio (2016)	0.128	(0.083)	0.028	(0.078)	0.076	(0.088)	0.125	(0.083)	0.026	(0.077)	0.078	(0.089)	0.129	(0.083)	0.029	(0.078)	0.077	(0.088)
Share gets radio news often (2016)	-0.203***	(0.074)	-0.125	(0.078)	-0.142*	(0.082)	-0.197**	(0.075)	-0.125	(0.077)	-0.144*	(0.081)	-0.204***	(0.074)	-0.124	(0.078)	-0.142*	(0.082)
Share over 18 (2008)	-0.019	(0.380)	-0.288	(0.363)	-0.175	(0.400)	0.033	(0.392)	-0.174	(0.403)	-0.111	(0.437)	-0.022	(0.377)	-0.296	(0.359)	-0.178	(0.396)
Share with secondary education (2008)	-0.047	(0.253)	-0.369	(0.229)	-0.253	(0.232)	-0.023	(0.260)	-0.348	(0.237)	-0.231	(0.240)	-0.047	(0.253)	-0.372	(0.228)	-0.255	(0.232)
Avg. N radio stations covering each town (2016)	-0.001	(0.002)	-0.001	(0.002)	-0.002	(0.002)	-0.002	(0.002)	-0.002	(0.002)	-0.002	(0.002)	-0.001	(0.002)	-0.001	(0.002)	-0.002	(0.002)
ED: scheduled debate week	0.010	(0.022)	0.019	(0.020)	0.019	(0.023)	0.014	(0.023)	0.025	(0.022)	0.021	(0.024)	0.010	(0.022)	0.019	(0.020)	0.019	(0.023)
Control Mean	0.156		0.156		0.156		0.156		0.156		0.156		0.156		0.156		0.156	
Observations	8,686		8,686		8,686		8,686		8,686		8,686		8,686		8,686		8,686	
Weight	No		1/Obs		Reg/Obs		No		1/Obs		Reg/Obs		No		1/Obs		Reg/Obs	

Notes: Outcomes: respondent reported voting for a challenger at endline. Interactions: Columns 4-6: standardized candidate-level measures of predicted debate performance; 7-9: standardized respondent-candidate-level measures of policy alignment (measured at baseline). All specifications estimated using OLS including randomization block fixed effects. Panel 1 adds enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Panel 2 adds predetermined covariates defined at the electoral district, polling station, and candidate levels. Weights: *PS*: polling stations in electoral district; *Reg*: registered voters at polling station. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A29: Voting outcomes (Table 6, Panel 2.A.)

	Main effect						Interaction term: Std. Performance						Std. Policy alignment					
2. Polling station-level	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)	
A. Incumbent																		
Intensive Invite	0.048*	(0.024)	0.043*	(0.023)	0.050**	(0.023)	0.047**	(0.023)	0.042*	(0.022)	0.050**	(0.022)	0.045*	(0.024)	0.039*	(0.023)	0.048**	(0.023)
Candidate party: UP	-0.113**	(0.047)	-0.085**	(0.041)	-0.121**	(0.047)	-0.090*	(0.045)	-0.075*	(0.039)	-0.096**	(0.045)	-0.120**	(0.050)	-0.095**	(0.044)	-0.126**	(0.050)
ED: N candidates	-0.014	(0.008)	-0.007	(0.010)	-0.016**	(0.008)	-0.015**	(0.007)	-0.010	(0.008)	-0.016**	(0.007)	-0.014*	(0.008)	-0.007	(0.010)	-0.017**	(0.008)
ED: incumbent running	-0.132**	(0.057)	-0.141**	(0.059)	-0.137**	(0.056)	-0.208***	(0.057)	-0.221***	(0.057)	-0.213***	(0.058)	-0.135**	(0.059)	-0.149**	(0.062)	-0.139**	(0.057)
ED: log reg voters	0.128	(0.108)	0.167	(0.106)	0.135	(0.104)	0.192*	(0.109)	0.248**	(0.106)	0.194*	(0.107)	0.123	(0.110)	0.169	(0.108)	0.129	(0.105)
ED: N debates	0.100*	(0.054)	0.050	(0.056)	0.117**	(0.052)	0.088*	(0.047)	0.048	(0.050)	0.100**	(0.045)	0.104*	(0.056)	0.050	(0.057)	0.121**	(0.053)
ED: 2011 1st voteshare	0.289	(0.431)	0.086	(0.416)	0.350	(0.446)	-0.377	(0.455)	-0.554	(0.462)	-0.334	(0.472)	0.291	(0.431)	0.084	(0.416)	0.352	(0.446)
ED: 2011 2nd voteshare	1.030***	(0.371)	0.932**	(0.364)	1.020***	(0.363)	0.695**	(0.342)	0.659*	(0.339)	0.696**	(0.332)	0.944***	(0.341)	0.862**	(0.342)	0.946***	(0.326)
ED: 2011 3rd voteshare	-0.632	(0.529)	-0.862	(0.525)	-0.572	(0.522)	-0.418	(0.482)	-0.554	(0.485)	-0.387	(0.476)	-0.615	(0.541)	-0.833	(0.527)	-0.561	(0.532)
ED: 2011 HHI	-0.367	(0.514)	-0.094	(0.500)	-0.461	(0.529)	0.547	(0.562)	0.796	(0.578)	0.469	(0.575)	-0.369	(0.513)	-0.088	(0.501)	-0.462	(0.528)
ED: 2011 turnout	-1.846*	(1.055)	-2.039*	(1.048)	-2.050*	(1.043)	-3.292***	(1.103)	-3.455***	(1.054)	-3.480***	(1.103)	-1.696	(1.140)	-1.891*	(1.119)	-1.934*	(1.122)
ED: share candidates who ran before in 2011	0.415*	(0.230)	0.416*	(0.214)	0.435*	(0.225)	0.592***	(0.213)	0.609***	(0.207)	0.612***	(0.207)	0.388*	(0.215)	0.394*	(0.199)	0.413*	(0.212)
ED: log pop density	0.011	(0.033)	0.026	(0.030)	0.011	(0.034)	0.051	(0.031)	0.065**	(0.028)	0.049	(0.032)	0.008	(0.035)	0.022	(0.032)	0.009	(0.035)
ED: share with GSM coverage	-0.291**	(0.130)	-0.338**	(0.128)	-0.297**	(0.131)	-0.527***	(0.156)	-0.585***	(0.159)	-0.516***	(0.154)	-0.276*	(0.142)	-0.325**	(0.138)	-0.285**	(0.141)
ED: share own radio	-0.223	(0.188)	-0.272	(0.186)	-0.270	(0.190)	-0.389**	(0.185)	-0.460**	(0.186)	-0.420**	(0.188)	-0.229	(0.186)	-0.282	(0.181)	-0.276	(0.188)
ED: share get radio news often	0.131	(0.203)	0.090	(0.211)	0.192	(0.201)	0.392*	(0.205)	0.419*	(0.218)	0.424**	(0.202)	0.147	(0.199)	0.105	(0.207)	0.206	(0.198)
ED: share over 18	-2.602*	(1.418)	-2.957**	(1.342)	-2.743*	(1.401)	-3.863**	(1.455)	-3.867***	(1.375)	-4.015***	(1.414)	-2.366	(1.486)	-2.714*	(1.374)	-2.558*	(1.473)
ED: share have secondary ed	-0.645	(0.587)	-0.937*	(0.540)	-0.578	(0.572)	-0.595	(0.553)	-0.882*	(0.525)	-0.544	(0.534)	-0.635	(0.570)	-0.929*	(0.525)	-0.567	(0.560)
ED: average N radio stations covering each locality	0.015***	(0.005)	0.014***	(0.005)	0.017***	(0.005)	0.020***	(0.005)	0.019***	(0.005)	0.021***	(0.005)	0.015***	(0.005)	0.014***	(0.005)	0.017***	(0.005)
ED: scheduled debate week	-0.176*	(0.091)	-0.141*	(0.082)	-0.196**	(0.090)	-0.271***	(0.093)	-0.237***	(0.086)	-0.286***	(0.091)	-0.177*	(0.090)	-0.143*	(0.082)	-0.198**	(0.090)
Number of PS in VRC	0.006	(0.006)	0.006	(0.006)	0.005	(0.006)	0.006	(0.006)	0.005	(0.006)	0.005	(0.006)	0.006	(0.006)	0.006	(0.006)	0.005	(0.006)
VRC added in 2017	0.019	(0.014)	0.028*	(0.015)	0.018	(0.015)	0.021	(0.014)	0.030**	(0.015)	0.020	(0.015)	0.019	(0.014)	0.028*	(0.015)	0.017	(0.015)
Number of PS in VRC (2011)	-0.030	(0.019)	-0.040**	(0.019)	-0.028	(0.019)	-0.028	(0.019)	-0.038*	(0.019)	-0.027	(0.019)	-0.029	(0.018)	-0.039**	(0.019)	-0.027	(0.019)
Number of registered voters in VRC (2011)	0.000	(0.000)	0.000*	(0.000)	0.000	(0.000)	0.000	(0.000)	0.000*	(0.000)	0.000	(0.000)	0.000	(0.000)	0.000*	(0.000)	0.000	(0.000)
Turnout (2011)	-0.051	(0.114)	-0.038	(0.124)	-0.045	(0.117)	-0.025	(0.107)	-0.011	(0.115)	-0.017	(0.109)	-0.046	(0.112)	-0.032	(0.121)	-0.041	(0.115)
Share of invalid votes (2011)	-0.107	(0.236)	-0.205	(0.251)	-0.103	(0.243)	-0.197	(0.237)	-0.291	(0.253)	-0.195	(0.242)	-0.116	(0.236)	-0.214	(0.252)	-0.113	(0.243)
Number of registered voters in PS (2017)	0.000***	(0.000)	0.000***	(0.000)	0.000***	(0.000)	0.000***	(0.000)	0.000***	(0.000)	0.000***	(0.000)	0.000***	(0.000)	0.000**	(0.000)	0.000**	(0.000)
PS covered by partner radio station	0.025	(0.026)	0.049	(0.030)	0.012	(0.025)	0.017	(0.025)	0.038	(0.028)	0.006	(0.024)	0.026	(0.026)	0.050*	(0.030)	0.013	(0.025)
Urban PS	0.010	(0.014)	0.007	(0.017)	0.010	(0.014)	0.010	(0.014)	0.008	(0.017)	0.011	(0.014)	0.008	(0.014)	0.006	(0.017)	0.009	(0.014)
Control Mean	0.246		0.246		0.250		0.246		0.246		0.250		0.246		0.246		0.250	
Observations	4,618		4,618		4,618		4,618		4,618		4,618		4,618		4,618		4,618	

Notes: Outcomes: Panel 2: votes divided by registered voters for incumbent using polling station-level data. Interactions: district-level analogs of interaction terms (see Data section and above tables). All specifications estimated using OLS including randomization block fixed effects. Panel 1 adds enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Panel 2 adds predetermined covariates defined at the electoral district, polling station, and candidate levels. Weights: *PS*: polling stations in electoral district; *Reg*: registered voters at polling station. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A30: Voting outcomes (Table 6, Panel 2.B.)

	Main effect						Interaction term: Std. Performance						Std. Policy alignment					
2. Polling station-level	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)	
B. Challengers																		
Intensive Invite	-0.030**	(0.013)	-0.035***	(0.012)	-0.028**	(0.013)	-0.030**	(0.013)	-0.035***	(0.012)	-0.028**	(0.013)	-0.029**	(0.013)	-0.032**	(0.013)	-0.028**	(0.013)
Candidate party: UP	0.010	(0.025)	0.014	(0.026)	0.006	(0.024)	0.009	(0.025)	0.013	(0.026)	0.006	(0.025)	0.010	(0.025)	0.013	(0.026)	0.007	(0.024)
ED: N candidates	-0.008**	(0.004)	-0.009**	(0.004)	-0.008*	(0.004)	-0.008**	(0.004)	-0.009**	(0.004)	-0.008*	(0.004)	-0.008**	(0.004)	-0.008**	(0.004)	-0.008*	(0.004)
ED: incumbent running	0.003	(0.015)	0.002	(0.015)	0.001	(0.016)	0.003	(0.015)	0.002	(0.015)	0.002	(0.016)	0.003	(0.015)	0.002	(0.015)	0.001	(0.016)
ED: log reg voters	0.013	(0.033)	0.028	(0.033)	0.012	(0.033)	0.013	(0.033)	0.029	(0.033)	0.012	(0.033)	0.013	(0.033)	0.036	(0.032)	0.008	(0.033)
ED: N debates	-0.016	(0.022)	-0.006	(0.023)	-0.018	(0.023)	-0.016	(0.022)	-0.006	(0.023)	-0.018	(0.024)	-0.016	(0.022)	-0.008	(0.023)	-0.016	(0.024)
ED: 2011 1st voteshare	0.110	(0.218)	0.228	(0.208)	0.026	(0.222)	0.112	(0.216)	0.228	(0.208)	0.031	(0.219)	0.111	(0.233)	0.271	(0.226)	0.011	(0.236)
ED: 2011 2nd voteshare	0.343*	(0.180)	0.409**	(0.179)	0.370**	(0.183)	0.336*	(0.188)	0.404**	(0.189)	0.357*	(0.190)	0.346**	(0.173)	0.468***	(0.175)	0.342*	(0.174)
ED: 2011 3rd voteshare	-0.303	(0.292)	-0.286	(0.278)	-0.376	(0.294)	-0.306	(0.295)	-0.287	(0.280)	-0.383	(0.297)	-0.303	(0.296)	-0.279	(0.278)	-0.379	(0.299)
ED: 2011 HHI	-0.215	(0.243)	-0.377	(0.232)	-0.123	(0.249)	-0.215	(0.242)	-0.376	(0.234)	-0.125	(0.246)	-0.217	(0.265)	-0.431*	(0.258)	-0.103	(0.271)
ED: 2011 turnout	0.630**	(0.313)	0.578*	(0.307)	0.643**	(0.312)	0.634*	(0.323)	0.580*	(0.317)	0.651**	(0.322)	0.630**	(0.316)	0.591*	(0.308)	0.642**	(0.315)
ED: share candidates who ran before in 2011	-0.144*	(0.080)	-0.112	(0.077)	-0.152*	(0.083)	-0.143*	(0.080)	-0.112	(0.077)	-0.150*	(0.083)	-0.144*	(0.079)	-0.114	(0.075)	-0.150*	(0.082)
ED: log pop density	-0.000	(0.010)	0.000	(0.010)	-0.001	(0.010)	-0.000	(0.010)	0.000	(0.010)	-0.001	(0.010)	-0.000	(0.010)	-0.001	(0.011)	-0.001	(0.010)
ED: share with GSM coverage	0.006	(0.047)	0.004	(0.046)	0.005	(0.048)	0.007	(0.049)	0.005	(0.047)	0.008	(0.049)	0.006	(0.049)	0.010	(0.046)	0.004	(0.050)
ED: share own radio	0.101	(0.075)	0.077	(0.073)	0.110	(0.075)	0.101	(0.075)	0.076	(0.072)	0.111	(0.076)	0.101	(0.072)	0.091	(0.071)	0.104	(0.072)
ED: share get radio news often	0.017	(0.062)	0.019	(0.063)	0.023	(0.062)	0.016	(0.063)	0.018	(0.064)	0.021	(0.064)	0.017	(0.062)	0.013	(0.062)	0.026	(0.062)
ED: share over 18	1.544***	(0.472)	1.405***	(0.462)	1.512***	(0.466)	1.563***	(0.506)	1.418***	(0.488)	1.549***	(0.502)	1.544***	(0.470)	1.395***	(0.450)	1.516***	(0.467)
ED: share have secondary ed	-0.365	(0.233)	-0.388	(0.238)	-0.372	(0.236)	-0.358	(0.244)	-0.384	(0.252)	-0.359	(0.245)	-0.366	(0.224)	-0.407*	(0.227)	-0.362	(0.229)
ED: average N radio stations covering each locality	-0.006***	(0.002)	-0.007***	(0.002)	-0.006***	(0.002)	-0.006***	(0.002)	-0.007***	(0.002)	-0.006***	(0.002)	-0.006***	(0.002)	-0.007***	(0.002)	-0.005***	(0.002)
ED: scheduled debate week	0.059***	(0.021)	0.053**	(0.020)	0.062***	(0.022)	0.060***	(0.022)	0.053**	(0.022)	0.063***	(0.023)	0.059***	(0.021)	0.056***	(0.021)	0.061***	(0.022)
Number of PS in VRC	-0.006**	(0.003)	-0.005*	(0.003)	-0.006*	(0.003)	-0.006**	(0.003)	-0.005*	(0.003)	-0.006*	(0.003)	-0.006*	(0.003)	-0.005*	(0.003)	-0.006*	(0.003)
VRC added in 2017	-0.009	(0.006)	-0.007	(0.007)	-0.009	(0.007)	-0.009	(0.006)	-0.007	(0.007)	-0.009	(0.007)	-0.009	(0.006)	-0.007	(0.007)	-0.009	(0.007)
Number of PS in VRC (2011)	0.004	(0.008)	0.005	(0.008)	0.004	(0.008)	0.004	(0.008)	0.005	(0.008)	0.005	(0.008)	0.004	(0.008)	0.005	(0.008)	0.004	(0.008)
Number of registered voters in VRC (2011)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)
Turnout (2011)	0.102**	(0.047)	0.100**	(0.047)	0.103**	(0.049)	0.102**	(0.046)	0.100**	(0.046)	0.104**	(0.048)	0.101**	(0.049)	0.096**	(0.048)	0.104**	(0.051)
Share of invalid votes (2011)	-0.112	(0.087)	-0.066	(0.087)	-0.139	(0.092)	-0.114	(0.092)	-0.067	(0.091)	-0.142	(0.097)	-0.112	(0.087)	-0.066	(0.087)	-0.140	(0.092)
Number of registered voters in PS (2017)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)	-0.000	(0.000)
PS covered by partner radio station	-0.015	(0.015)	-0.028*	(0.017)	-0.011	(0.014)	-0.015	(0.015)	-0.028*	(0.017)	-0.011	(0.014)	-0.015	(0.015)	-0.028*	(0.016)	-0.011	(0.014)
Urban PS	0.001	(0.009)	0.006	(0.010)	0.000	(0.009)	0.001	(0.009)	0.006	(0.010)	0.001	(0.009)	0.001	(0.009)	0.005	(0.010)	0.001	(0.009)
Control Mean	0.113		0.113		0.112		0.113		0.113		0.112		0.113		0.113		0.112	
Observations	11,385		11,385		11,385		11,385		11,385		11,385		11,385		11,385		11,385	
Weight	No		1/PS		Reg		No		1/PS		Reg		No		1/PS		Reg	

Notes: Outcomes: Panel 2: votes divided by registered voters for challengers using polling station-level data. Interactions: district-level analogs of interaction terms (see Data section and above tables). All specifications estimated using OLS including randomization block fixed effects. Panel 1 adds enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Panel 2 adds predetermined covariates defined at the electoral district, polling station, and candidate levels. Weights: *PS*: polling stations in electoral district; *Reg*: registered voters at polling station. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A31: Debate exposure and information acquisition (Table 8, Panels A-B)

	(1)		(2)		(3)	
A. Debate listening index						
Intensive Invite	0.294***	(0.101)	0.330***	(0.102)	0.419***	(0.101)
Days since Sept 1	-0.005**	(0.002)	-0.005***	(0.002)	-0.004*	(0.002)
Male	0.210***	(0.036)	0.224***	(0.037)	0.222***	(0.038)
Respondent age	0.001	(0.001)	0.002	(0.002)	0.002	(0.002)
Education: Primary	-0.017	(0.070)	-0.015	(0.066)	-0.022	(0.074)
Education: Secondary	0.092**	(0.043)	0.087**	(0.042)	0.090**	(0.042)
Education: Tertiary	0.071*	(0.040)	0.055	(0.057)	0.063	(0.061)
Scheduled debate week	-0.033	(0.051)	-0.040	(0.045)	-0.051	(0.041)
Number of candidates (2017)	0.006	(0.017)	0.021	(0.017)	0.016	(0.017)
Incumbent ran in election (2017)	0.197**	(0.089)	0.268***	(0.090)	0.241***	(0.086)
Log registered voters (2017)	-0.405**	(0.170)	-0.305**	(0.151)	-0.416***	(0.153)
Number of debates in district	-0.115	(0.087)	-0.168*	(0.086)	-0.130	(0.081)
1st voteshare (2011)	0.086	(0.903)	0.794	(0.733)	0.763	(0.782)
2nd voteshare (2011)	-1.246	(0.915)	-0.698	(0.846)	-0.702	(0.826)
3rd voteshare (2011)	1.591*	(0.932)	2.076**	(0.954)	2.271**	(0.996)
Voteshare HHI (2011)	0.198	(1.253)	-0.854	(1.040)	-0.749	(1.105)
Turnout (2011)	3.637***	(1.094)	3.898***	(0.962)	3.847***	(0.974)
Share of repeat candidates (2017)	-0.038	(0.285)	0.063	(0.303)	0.001	(0.293)
Log population density (2008)	-0.106**	(0.045)	-0.126***	(0.043)	-0.117***	(0.039)
Share with GSM coverage (2015)	0.978***	(0.198)	0.938***	(0.189)	0.883***	(0.178)
Share owns a radio (2016)	0.880**	(0.335)	0.606**	(0.298)	0.708**	(0.294)
Share gets radio news often (2016)	-1.307***	(0.262)	-1.160***	(0.273)	-1.127***	(0.243)
Share over 18 (2008)	7.802***	(2.446)	7.439***	(2.099)	6.739***	(2.179)
Share with secondary education (2008)	0.708	(1.174)	1.115	(1.105)	1.205	(0.990)
Avg. N radio stations covering each town (2016)	-0.017**	(0.008)	-0.023***	(0.008)	-0.022***	(0.008)
Observations	4,060		4,060		4,060	
Weight	No		1/Obs		Reg/Obs	
B. Debate knowledge index						
Intensive Invite	0.123*	(0.063)	0.124**	(0.058)	0.162***	(0.059)
Days since Sept 1	-0.003	(0.002)	-0.003*	(0.002)	-0.002	(0.002)
Male	0.269***	(0.034)	0.281***	(0.037)	0.267***	(0.037)
Respondent age	0.003**	(0.001)	0.003**	(0.002)	0.003*	(0.002)
Education: Primary	0.105	(0.064)	0.106*	(0.061)	0.099	(0.063)
Education: Secondary	0.076	(0.050)	0.071	(0.045)	0.080*	(0.045)
Education: Tertiary	0.061	(0.038)	0.032	(0.040)	0.040	(0.037)
Scheduled debate week	-0.099	(0.063)	-0.104*	(0.056)	-0.110**	(0.054)
Number of candidates (2017)	0.010	(0.022)	0.027	(0.022)	0.021	(0.022)
Incumbent ran in election (2017)	0.249**	(0.118)	0.316***	(0.119)	0.301**	(0.119)
Log registered voters (2017)	-0.629***	(0.209)	-0.518***	(0.180)	-0.668***	(0.189)
Number of debates in district	-0.216*	(0.111)	-0.249**	(0.106)	-0.212*	(0.107)
1st voteshare (2011)	0.501	(1.195)	0.914	(1.044)	0.813	(1.158)
2nd voteshare (2011)	-1.533	(1.172)	-0.655	(1.114)	-0.996	(1.162)
3rd voteshare (2011)	2.790**	(1.269)	2.931**	(1.357)	3.321**	(1.435)
Voteshare HHI (2011)	-0.398	(1.642)	-1.204	(1.438)	-0.937	(1.593)
Turnout (2011)	5.425***	(1.493)	5.746***	(1.305)	5.881***	(1.371)
Share of repeat candidates (2017)	-0.198	(0.377)	-0.069	(0.398)	-0.085	(0.405)
Log population density (2008)	-0.164**	(0.062)	-0.185***	(0.061)	-0.190***	(0.057)
Share with GSM coverage (2015)	1.205***	(0.266)	1.163***	(0.271)	1.122***	(0.269)
Share owns a radio (2016)	1.368***	(0.445)	0.965**	(0.387)	1.071***	(0.393)
Share gets radio news often (2016)	-1.294***	(0.355)	-1.061***	(0.377)	-1.004***	(0.358)
Share over 18 (2008)	9.422***	(3.020)	8.601***	(2.591)	8.093***	(2.743)
Share with secondary education (2008)	2.213	(1.461)	2.431*	(1.324)	2.824**	(1.255)
Avg. N radio stations covering each town (2016)	-0.018	(0.011)	-0.024**	(0.010)	-0.019*	(0.011)
Observations	4,060		4,060		4,060	
Weight	No		1/Obs		Reg/Obs	

Notes: Outcomes are standardized. Panel A: index of (1) indicator for respondent heard debate between baselind and endline; (2) how often respondent heard debate by endline; Panel B: index of (1) indicator for respondent's stated debate winner attended debate; (2) share of candidates respondent claims participated; (3) share of predicted leading candidates respondent claims participated. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A32: Debate exposure and information acquisition (Table 8, Panels C-D)

	(1)		(2)		(3)	
C. Policy knowledge index						
Intensive Invite	0.165*	(0.090)	0.234*	(0.123)	0.189*	(0.102)
Days since Sept 1	0.001	(0.002)	0.001	(0.002)	0.001	(0.002)
Male	-0.095**	(0.039)	-0.079**	(0.039)	-0.089**	(0.040)
Respondent age	-0.000	(0.002)	-0.001	(0.002)	0.000	(0.002)
Education: Primary	0.163**	(0.066)	0.151*	(0.089)	0.150*	(0.080)
Education: Secondary	-0.050	(0.049)	-0.059	(0.057)	-0.079	(0.057)
Education: Tertiary	-0.113**	(0.044)	-0.127***	(0.045)	-0.125**	(0.048)
Scheduled debate week	-0.061**	(0.026)	-0.077***	(0.029)	-0.086***	(0.027)
Number of candidates (2017)	0.026**	(0.011)	0.024**	(0.011)	0.027**	(0.011)
Incumbent ran in election (2017)	0.036	(0.041)	0.042	(0.044)	0.041	(0.041)
Log registered voters (2017)	-0.010	(0.120)	0.029	(0.120)	-0.036	(0.124)
Number of debates in district	-0.090	(0.069)	-0.086	(0.067)	-0.078	(0.064)
1st voteshare (2011)	0.923	(0.740)	0.864	(0.744)	1.051	(0.728)
2nd voteshare (2011)	0.710	(0.514)	0.820	(0.603)	0.816	(0.514)
3rd voteshare (2011)	1.120	(0.696)	1.347*	(0.795)	1.662**	(0.801)
Voteshare HHI (2011)	-1.196	(0.838)	-1.177	(0.859)	-1.485*	(0.841)
Turnout (2011)	0.806	(0.901)	0.367	(0.974)	0.852	(0.931)
Share of repeat candidates (2017)	0.320	(0.220)	0.347	(0.231)	0.351	(0.232)
Log population density (2008)	-0.116***	(0.030)	-0.124***	(0.033)	-0.121***	(0.030)
Share with GSM coverage (2015)	0.195	(0.147)	0.123	(0.164)	0.140	(0.158)
Share owns a radio (2016)	-0.031	(0.239)	-0.213	(0.233)	-0.157	(0.231)
Share gets radio news often (2016)	-0.076	(0.197)	-0.011	(0.199)	0.058	(0.192)
Share over 18 (2008)	-0.437	(1.626)	-0.637	(2.027)	-0.272	(1.912)
Share with secondary education (2008)	2.357***	(0.715)	2.471***	(0.706)	2.609***	(0.679)
Avg. N radio stations covering each town (2016)	-0.006	(0.005)	-0.002	(0.006)	-0.005	(0.006)
Observations	4,060		4,060		4,060	
Weight	No		1/Obs		Reg/Obs	
D. Political information acquisition						
Intensive Invite	0.243***	(0.074)	0.283***	(0.085)	0.278***	(0.086)
Days since Sept 1	-0.003*	(0.002)	-0.006***	(0.002)	-0.005**	(0.002)
Male	0.079*	(0.044)	0.101**	(0.042)	0.072*	(0.040)
Respondent age	-0.006***	(0.002)	-0.006***	(0.002)	-0.005**	(0.002)
Education: Primary	0.187**	(0.078)	0.165*	(0.085)	0.229***	(0.081)
Education: Secondary	0.252***	(0.051)	0.285***	(0.057)	0.240***	(0.053)
Education: Tertiary	0.102**	(0.050)	0.064	(0.054)	0.050	(0.057)
Scheduled debate week	-0.017	(0.029)	-0.047*	(0.027)	-0.032	(0.029)
Number of candidates (2017)	-0.002	(0.012)	0.013	(0.011)	0.005	(0.011)
Incumbent ran in election (2017)	-0.130**	(0.053)	-0.106*	(0.055)	-0.091*	(0.053)
Log registered voters (2017)	0.163*	(0.092)	0.119	(0.090)	0.171*	(0.092)
Number of debates in district	0.096*	(0.055)	0.058	(0.053)	0.096*	(0.049)
1st voteshare (2011)	0.520	(0.687)	1.012*	(0.584)	1.043*	(0.587)
2nd voteshare (2011)	1.102	(0.668)	1.089	(0.676)	1.204*	(0.683)
3rd voteshare (2011)	-1.678**	(0.660)	-0.924	(0.668)	-0.830	(0.626)
Voteshare HHI (2011)	-0.896	(0.879)	-1.586**	(0.754)	-1.603**	(0.761)
Turnout (2011)	0.152	(0.843)	0.460	(0.836)	0.566	(0.818)
Share of repeat candidates (2017)	0.280	(0.196)	0.443**	(0.191)	0.333*	(0.195)
Log population density (2008)	-0.020	(0.028)	-0.021	(0.029)	-0.022	(0.026)
Share with GSM coverage (2015)	0.099	(0.128)	-0.004	(0.133)	0.002	(0.130)
Share owns a radio (2016)	0.190	(0.244)	0.033	(0.226)	0.074	(0.223)
Share gets radio news often (2016)	-0.115	(0.198)	0.008	(0.198)	-0.044	(0.191)
Share over 18 (2008)	-1.682	(1.398)	-1.866	(1.258)	-1.971	(1.364)
Share with secondary education (2008)	-0.043	(0.627)	0.537	(0.616)	0.195	(0.590)
Avg. N radio stations covering each town (2016)	0.002	(0.006)	0.001	(0.006)	-0.001	(0.006)
Observations	4,060		4,060		4,060	
Weight	No		1/Obs		Reg/Obs	

Notes: Outcomes are standardized. Outcomes: Panel C: change in how many questions about CSDF management respondents answered correctly. Panel D: index of (1) change in how much respondents listened to radio; (2) change in how much they discussed politics with friends; (3) how much they accessed other sources of political information. See Table A18 for disaggregated indicator-level results and Tables A31-A32 for predetermined covariate coefficients. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district and individual respondent levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A33: Updating about candidates (Table 9, Panel 1)

	Certainty about competence						Certainty about policy					
1. Uncertainty	(1)		(2)		(3)		(4)		(5)		(6)	
A. Incumbent												
Intensive Invite	0.180*	(0.100)	0.201*	(0.101)	0.184**	(0.079)	0.180**	(0.068)	0.207***	(0.072)	0.196***	(0.061)
Days since Sept 1	0.000	(0.002)	-0.000	(0.003)	0.001	(0.003)	0.006***	(0.002)	0.006**	(0.002)	0.005**	(0.002)
Respondent is male	-0.079*	(0.042)	-0.083*	(0.050)	-0.063	(0.045)	-0.072*	(0.038)	-0.054	(0.053)	-0.044	(0.042)
Respondent age	0.001	(0.002)	0.001	(0.002)	0.001	(0.002)	0.007***	(0.002)	0.007***	(0.002)	0.008***	(0.002)
Candidate party: UP	-0.109*	(0.062)	-0.102	(0.074)	-0.133	(0.080)	-0.041	(0.043)	-0.049	(0.051)	-0.091*	(0.051)
Education: Primary	-0.130*	(0.070)	-0.179**	(0.087)	-0.127	(0.083)	-0.036	(0.063)	-0.057	(0.077)	-0.103	(0.071)
Education: Secondary	0.041	(0.056)	0.033	(0.056)	0.020	(0.059)	0.023	(0.050)	0.005	(0.058)	0.032	(0.059)
Education: Tertiary	0.003	(0.043)	-0.049	(0.058)	-0.039	(0.047)	0.055	(0.049)	0.034	(0.058)	0.048	(0.059)
Number of candidates (2017)	0.028**	(0.012)	0.025	(0.016)	0.021	(0.013)	-0.001	(0.013)	0.015	(0.017)	0.004	(0.014)
Incumbent ran in election (2017)	-0.242***	(0.076)	-0.215**	(0.082)	-0.218***	(0.078)	-0.260***	(0.048)	-0.290***	(0.060)	-0.271***	(0.057)
Log registered voters (2017)	0.540***	(0.185)	0.401**	(0.179)	0.448**	(0.208)	0.255**	(0.124)	0.275**	(0.124)	0.250*	(0.143)
Number of debates in district	-0.124*	(0.069)	-0.103	(0.096)	-0.083	(0.078)	0.076	(0.073)	0.004	(0.092)	0.065	(0.080)
1st voteshare (2011)	0.780	(0.744)	0.476	(0.824)	0.515	(0.851)	0.518	(0.665)	0.218	(0.800)	0.564	(0.745)
2nd voteshare (2011)	2.373***	(0.554)	2.140***	(0.556)	2.170***	(0.599)	1.458***	(0.324)	1.601***	(0.358)	1.654***	(0.360)
3rd voteshare (2011)	0.213	(0.977)	-0.171	(1.211)	-0.566	(1.212)	-1.761***	(0.579)	-1.915***	(0.669)	-2.104***	(0.701)
Voteshare HHI (2011)	-1.159	(0.778)	-0.873	(0.881)	-0.947	(0.894)	-1.314*	(0.732)	-1.066	(0.893)	-1.455*	(0.826)
Turnout (2011)	-0.365	(2.127)	-0.274	(2.413)	0.258	(2.497)	0.395	(1.197)	0.264	(1.550)	1.130	(1.446)
Share of repeat candidates (2017)	0.179	(0.503)	0.209	(0.527)	0.081	(0.557)	0.207	(0.285)	0.569*	(0.332)	0.353	(0.326)
Log population density (2008)	-0.083**	(0.042)	-0.050	(0.047)	-0.067	(0.046)	-0.046*	(0.027)	-0.050	(0.036)	-0.061*	(0.032)
Share with GSM coverage (2015)	0.236	(0.322)	0.245	(0.363)	0.322	(0.351)	0.199	(0.195)	0.207	(0.254)	0.315	(0.241)
Share owns a radio (2016)	0.245	(0.329)	0.045	(0.390)	0.201	(0.380)	0.201	(0.279)	0.274	(0.345)	0.373	(0.338)
Share gets radio news often (2016)	0.089	(0.317)	0.213	(0.392)	0.092	(0.362)	-0.127	(0.314)	-0.274	(0.390)	-0.278	(0.370)
Share over 18 (2008)	2.445	(2.568)	2.720	(2.836)	3.745	(2.839)	-0.812	(1.159)	-1.285	(1.785)	0.125	(1.595)
Share with secondary education (2008)	0.299	(0.969)	-0.313	(1.300)	-0.292	(1.299)	1.182*	(0.631)	1.237	(0.844)	0.914	(0.774)
Avg. N radio stations covering each town (2016)	-0.004	(0.009)	-0.005	(0.010)	-0.008	(0.010)	-0.009*	(0.005)	-0.010	(0.007)	-0.013*	(0.007)
ED: scheduled debate week	-0.090	(0.161)	-0.068	(0.202)	0.020	(0.217)	-0.132	(0.089)	-0.145	(0.127)	-0.072	(0.123)
Observations	3,496		3,496		3,496		3,496		3,496		3,496	
Weight	No		1/Obs		Reg/Obs		No		1/Obs		Reg/Obs	
B. Challengers												
Intensive Invite	0.060	(0.066)	0.066	(0.077)	0.041	(0.073)	0.147**	(0.060)	0.124	(0.079)	0.097	(0.068)
Days since Sept 1	0.002	(0.001)	0.001	(0.002)	0.001	(0.002)	0.006***	(0.001)	0.005***	(0.001)	0.006***	(0.001)
Respondent is male	-0.079***	(0.029)	-0.042	(0.035)	-0.046	(0.033)	-0.042*	(0.024)	-0.014	(0.030)	-0.007	(0.029)
Respondent age	0.002	(0.002)	0.002	(0.002)	0.003	(0.002)	0.005***	(0.002)	0.007***	(0.002)	0.007***	(0.002)
Candidate party: UP	-0.055*	(0.032)	-0.038	(0.028)	-0.043	(0.028)	0.064*	(0.033)	0.016	(0.032)	0.037	(0.028)
Education: Primary	0.025	(0.050)	0.034	(0.058)	0.025	(0.056)	0.050	(0.052)	0.058	(0.068)	0.030	(0.059)
Education: Secondary	-0.003	(0.044)	-0.026	(0.054)	-0.043	(0.048)	0.005	(0.034)	0.042	(0.039)	0.020	(0.040)
Education: Tertiary	0.008	(0.030)	0.016	(0.037)	0.022	(0.035)	0.029	(0.034)	0.020	(0.042)	0.025	(0.037)
Number of candidates (2017)	0.001	(0.007)	0.001	(0.007)	-0.003	(0.006)	-0.009	(0.008)	-0.009	(0.009)	-0.012	(0.007)
Incumbent ran in election (2017)	0.000	(0.031)	-0.004	(0.030)	-0.001	(0.034)	-0.015	(0.039)	-0.005	(0.039)	-0.012	(0.037)
Log registered voters (2017)	0.182**	(0.073)	0.182**	(0.074)	0.240***	(0.083)	0.134	(0.089)	0.136	(0.098)	0.148	(0.092)
Number of debates in district	0.047	(0.049)	0.060	(0.051)	0.071	(0.046)	0.157***	(0.052)	0.173***	(0.056)	0.177***	(0.048)
1st voteshare (2011)	-0.189	(0.542)	-0.169	(0.507)	-0.226	(0.567)	0.899*	(0.513)	0.659	(0.545)	0.678	(0.520)
2nd voteshare (2011)	0.588	(0.379)	0.639	(0.451)	0.966**	(0.438)	0.733*	(0.405)	0.625	(0.479)	0.944**	(0.444)
3rd voteshare (2011)	-0.913*	(0.529)	-0.855	(0.644)	-1.173*	(0.657)	-0.838	(0.552)	-0.576	(0.713)	-1.115	(0.673)
Voteshare HHI (2011)	0.278	(0.614)	0.293	(0.582)	0.259	(0.648)	-1.309**	(0.591)	-0.961	(0.638)	-1.011	(0.615)
Turnout (2011)	-0.943	(0.587)	-1.543**	(0.660)	-1.583**	(0.648)	0.498	(0.656)	0.183	(0.701)	0.222	(0.647)
Share of repeat candidates (2017)	0.017	(0.159)	0.013	(0.168)	-0.019	(0.182)	0.122	(0.186)	0.101	(0.198)	0.096	(0.197)
Log population density (2008)	-0.008	(0.023)	0.039	(0.025)	0.032	(0.024)	-0.032	(0.024)	0.013	(0.029)	0.012	(0.026)
Share with GSM coverage (2015)	-0.089	(0.095)	-0.179*	(0.098)	-0.172	(0.104)	0.075	(0.112)	0.013	(0.112)	-0.008	(0.107)
Share owns a radio (2016)	-0.325	(0.212)	-0.338	(0.210)	-0.346	(0.209)	0.064	(0.234)	-0.081	(0.247)	0.074	(0.208)
Share gets radio news often (2016)	-0.020	(0.152)	0.023	(0.161)	-0.040	(0.161)	-0.040	(0.142)	0.013	(0.177)	-0.074	(0.153)
Share over 18 (2008)	-1.423	(0.980)	-1.710	(1.042)	-1.568	(1.091)	1.003	(1.253)	1.337	(1.327)	1.469	(1.274)
Share with secondary education (2008)	-0.046	(0.546)	-0.880	(0.558)	-0.809	(0.516)	1.250**	(0.534)	0.536	(0.606)	0.417	(0.533)
Avg. N radio stations covering each town (2016)	0.008*	(0.005)	0.005	(0.005)	0.005	(0.005)	-0.005	(0.005)	-0.010*	(0.006)	-0.009	(0.006)
ED: scheduled debate week	-0.111*	(0.066)	-0.090	(0.064)	-0.100	(0.071)	-0.155**	(0.069)	-0.140**	(0.069)	-0.113*	(0.065)
Observations	8,686		8,686		8,686		8,686		8,686		8,686	
Weight	No		1/Obs		Reg/Obs		No		1/Obs		Reg/Obs	

Notes: Outcomes are standardized. Outcomes: Columns 1-3: change in certainty about candidates' competence; 4-6: change in certainty about candidates' policy priorities. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A34: Updating about candidates (Table 9, Panel 2)

	Beliefs about competence						Learning about policy					
2. Levels	(1)		(2)		(3)		(4)		(5)		(6)	
A. Incumbent												
Intensive Invite	0.119	(0.080)	0.062	(0.095)	0.109	(0.092)	0.135*	(0.070)	0.170*	(0.091)	0.134*	(0.073)
Days since Sept 1	0.005**	(0.002)	0.003	(0.002)	0.003	(0.002)	-0.009***	(0.002)	-0.009***	(0.002)	-0.008***	(0.002)
Respondent is male	-0.014	(0.035)	0.006	(0.041)	-0.017	(0.038)	0.006	(0.034)	-0.009	(0.044)	-0.008	(0.039)
Respondent age	0.001	(0.002)	0.001	(0.002)	0.001	(0.002)	-0.001	(0.002)	0.000	(0.002)	-0.000	(0.002)
Candidate party: UP	0.039	(0.054)	0.001	(0.056)	-0.009	(0.049)	-0.134***	(0.041)	-0.121***	(0.042)	-0.123***	(0.040)
Education: Primary	-0.072	(0.097)	-0.017	(0.104)	0.036	(0.107)	0.087	(0.086)	0.113	(0.090)	0.081	(0.091)
Education: Secondary	0.020	(0.051)	-0.057	(0.059)	-0.075	(0.057)	-0.016	(0.042)	-0.035	(0.056)	-0.021	(0.052)
Education: Tertiary	-0.032	(0.049)	-0.048	(0.060)	-0.044	(0.055)	0.033	(0.046)	0.007	(0.054)	-0.019	(0.050)
Number of candidates (2017)	0.026**	(0.010)	0.045***	(0.012)	0.036***	(0.011)	0.003	(0.013)	0.006	(0.014)	0.005	(0.013)
Incumbent ran in election (2017)	0.275***	(0.062)	0.198*	(0.102)	0.276***	(0.081)	-0.155**	(0.067)	-0.091	(0.074)	-0.086	(0.074)
Log registered voters (2017)	-0.722***	(0.134)	-0.637***	(0.150)	-0.783***	(0.146)	0.584***	(0.145)	0.340**	(0.148)	0.369**	(0.145)
Number of debates in district	-0.011	(0.062)	-0.118	(0.074)	-0.057	(0.067)	-0.119	(0.078)	-0.111	(0.078)	-0.094	(0.073)
1st voteshare (2011)	-0.275	(0.654)	0.178	(0.711)	-0.109	(0.639)	0.062	(0.702)	-0.318	(0.571)	-0.386	(0.611)
2nd voteshare (2011)	-0.250	(0.515)	-0.048	(0.628)	-0.392	(0.570)	-0.393	(0.338)	-0.508	(0.412)	-0.516	(0.382)
3rd voteshare (2011)	0.951	(0.738)	1.359	(0.817)	1.492**	(0.735)	1.151	(0.725)	0.814	(0.896)	1.156	(0.917)
Voteshare HHI (2011)	-0.084	(0.747)	-0.592	(0.835)	-0.235	(0.740)	-0.020	(0.785)	0.392	(0.637)	0.473	(0.687)
Turnout (2011)	4.018***	(1.179)	4.714***	(1.276)	5.185***	(1.195)	1.764	(1.580)	2.145	(1.669)	1.702	(1.562)
Share of repeat candidates (2017)	0.068	(0.227)	0.240	(0.234)	0.137	(0.207)	-0.615	(0.393)	-0.372	(0.410)	-0.315	(0.422)
Log population density (2008)	-0.051	(0.032)	-0.090**	(0.038)	-0.092***	(0.033)	-0.036	(0.028)	-0.063*	(0.034)	-0.055*	(0.032)
Share with GSM coverage (2015)	0.584***	(0.200)	0.580**	(0.234)	0.709***	(0.198)	0.172	(0.251)	0.454	(0.298)	0.363	(0.294)
Share owns a radio (2016)	-0.201	(0.314)	-0.131	(0.335)	-0.030	(0.319)	-1.129***	(0.306)	-0.975***	(0.299)	-1.081***	(0.306)
Share gets radio news often (2016)	-0.241	(0.331)	-0.358	(0.349)	-0.373	(0.318)	1.237***	(0.430)	0.907**	(0.451)	1.032**	(0.443)
Share over 18 (2008)	2.271	(1.592)	2.418	(1.967)	3.155*	(1.741)	1.908	(1.316)	3.176	(1.956)	2.737	(1.699)
Share with secondary education (2008)	0.494	(0.627)	0.829	(0.606)	0.626	(0.521)	-0.959	(0.648)	-0.887	(0.695)	-0.636	(0.669)
Avg. N radio stations covering each town (2016)	-0.006	(0.005)	-0.006	(0.007)	-0.006	(0.006)	-0.007	(0.006)	-0.004	(0.007)	-0.002	(0.007)
ED: scheduled debate week	-0.025	(0.093)	-0.066	(0.106)	-0.009	(0.091)	0.104	(0.095)	0.101	(0.116)	0.054	(0.102)
Observations	3,496		3,496		3,496		3,496		3,496		3,496	
Weight	No		1/Obs		Reg/Obs		No		1/Obs		Reg/Obs	
B. Challengers												
Intensive Invite	-0.060	(0.077)	-0.132	(0.088)	-0.083	(0.079)	0.053	(0.063)	0.030	(0.091)	0.074	(0.078)
Days since Sept 1	0.002	(0.001)	0.002	(0.002)	0.002	(0.002)	-0.008***	(0.001)	-0.008***	(0.002)	-0.009***	(0.001)
Respondent is male	0.022	(0.030)	0.025	(0.033)	0.028	(0.031)	-0.007	(0.028)	-0.005	(0.034)	-0.005	(0.032)
Respondent age	-0.001	(0.001)	-0.000	(0.001)	-0.000	(0.001)	0.000	(0.001)	0.001	(0.001)	0.001	(0.002)
Candidate party: UP	0.003	(0.022)	0.004	(0.020)	0.006	(0.021)	0.016	(0.024)	0.027	(0.025)	0.028	(0.026)
Education: Primary	0.039	(0.057)	0.017	(0.092)	-0.029	(0.089)	0.075	(0.056)	0.047	(0.059)	0.060	(0.058)
Education: Secondary	-0.016	(0.032)	-0.014	(0.041)	-0.007	(0.038)	-0.030	(0.036)	-0.016	(0.042)	-0.035	(0.042)
Education: Tertiary	0.017	(0.035)	-0.025	(0.046)	-0.001	(0.041)	0.012	(0.030)	-0.001	(0.035)	0.011	(0.032)
Number of candidates (2017)	-0.002	(0.007)	-0.005	(0.007)	-0.002	(0.007)	0.006	(0.008)	0.001	(0.008)	-0.002	(0.008)
Incumbent ran in election (2017)	0.104***	(0.026)	0.101***	(0.028)	0.100***	(0.028)	0.009	(0.037)	0.003	(0.038)	-0.018	(0.042)
Log registered voters (2017)	-0.164**	(0.063)	-0.109*	(0.061)	-0.140**	(0.067)	0.103	(0.087)	0.085	(0.079)	0.106	(0.086)
Number of debates in district	0.057	(0.050)	0.080*	(0.047)	0.061	(0.046)	0.030	(0.048)	0.069	(0.050)	0.084*	(0.048)
1st voteshare (2011)	0.202	(0.449)	0.024	(0.440)	0.030	(0.483)	0.483	(0.545)	-0.164	(0.430)	-0.005	(0.465)
2nd voteshare (2011)	-0.142	(0.309)	-0.116	(0.358)	0.012	(0.332)	0.481	(0.356)	0.649	(0.390)	0.882**	(0.441)
3rd voteshare (2011)	-0.379	(0.411)	-0.263	(0.490)	-0.306	(0.466)	0.079	(0.553)	-0.212	(0.584)	-0.709	(0.604)
Voteshare HHI (2011)	-0.457	(0.510)	-0.274	(0.500)	-0.253	(0.538)	-0.808	(0.608)	-0.146	(0.490)	-0.358	(0.544)
Turnout (2011)	0.658	(0.534)	0.151	(0.575)	0.409	(0.564)	-0.105	(0.668)	-0.018	(0.525)	-0.315	(0.595)
Share of repeat candidates (2017)	-0.056	(0.120)	-0.075	(0.129)	-0.059	(0.136)	0.280**	(0.134)	0.260**	(0.128)	0.240*	(0.132)
Log population density (2008)	0.002	(0.023)	0.018	(0.025)	0.013	(0.024)	0.011	(0.020)	0.037*	(0.019)	0.033	(0.020)
Share with GSM coverage (2015)	0.092	(0.086)	0.039	(0.084)	0.055	(0.086)	-0.027	(0.097)	-0.033	(0.083)	-0.041	(0.094)
Share owns a radio (2016)	0.222	(0.172)	0.192	(0.183)	0.313*	(0.180)	-0.243	(0.183)	-0.303*	(0.160)	-0.332**	(0.164)
Share gets radio news often (2016)	-0.246*	(0.135)	-0.233	(0.153)	-0.226	(0.144)	0.292*	(0.156)	0.369**	(0.142)	0.335**	(0.150)
Share over 18 (2008)	1.090	(0.976)	0.033	(0.887)	0.416	(0.903)	-1.234	(1.287)	0.186	(1.129)	-0.235	(1.202)
Share with secondary education (2008)	0.831	(0.533)	0.159	(0.580)	0.293	(0.524)	0.265	(0.446)	-0.284	(0.410)	-0.090	(0.412)
Avg. N radio stations covering each town (2016)	-0.006	(0.004)	-0.004	(0.004)	-0.005	(0.004)	-0.002	(0.005)	-0.004	(0.005)	-0.004	(0.005)
ED: scheduled debate week	-0.101**	(0.043)	-0.136***	(0.045)	-0.121***	(0.044)	0.007	(0.048)	0.052	(0.046)	0.040	(0.048)
Observations	8,686		8,686		8,686		8,686		8,686		8,686	
Weight	No		1/Obs		Reg/Obs		No		1/Obs		Reg/Obs	

Notes: Outcomes are standardized. Outcomes: Columns 1-3: change in perceptions of candidates' competence; 4-6: change in correctly learning candidates' policy priorities. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

Table A35: Campaigning responses (Table 10)

	Ground						Radio					
	(1)		(2)		(3)		(4)		(5)		(6)	
A. Incumbent												
Intensive Invite	-0.027	(0.040)	-0.027	(0.046)	-0.021	(0.046)	0.091**	(0.037)	0.115***	(0.039)	0.105**	(0.040)
Days since Sept 1	0.010***	(0.002)	0.009***	(0.002)	0.010***	(0.002)	0.007***	(0.002)	0.006***	(0.002)	0.007***	(0.002)
Respondent is male	0.031	(0.041)	0.050	(0.047)	0.027	(0.041)	0.206***	(0.036)	0.216***	(0.041)	0.187***	(0.039)
Respondent age	-0.004**	(0.002)	-0.005**	(0.002)	-0.005**	(0.002)	0.002	(0.002)	0.003*	(0.002)	0.003	(0.002)
Candidate party: UP	-0.025	(0.092)	0.010	(0.103)	0.031	(0.120)	0.016	(0.077)	0.073	(0.075)	-0.022	(0.076)
Education: Primary	0.050	(0.071)	0.064	(0.083)	0.028	(0.072)	-0.008	(0.073)	-0.019	(0.077)	-0.018	(0.070)
Education: Secondary	-0.003	(0.044)	0.008	(0.050)	-0.009	(0.047)	0.113***	(0.036)	0.131***	(0.042)	0.126***	(0.039)
Education: Tertiary	-0.007	(0.056)	-0.011	(0.069)	0.015	(0.058)	0.037	(0.053)	-0.000	(0.059)	0.036	(0.056)
Number of candidates (2017)	0.009	(0.015)	0.001	(0.018)	0.005	(0.015)	-0.010	(0.019)	0.002	(0.021)	-0.018	(0.018)
Incumbent ran in election (2017)	0.085	(0.109)	-0.015	(0.121)	0.031	(0.123)	-0.308**	(0.117)	-0.422***	(0.147)	-0.352***	(0.132)
Log registered voters (2017)	-0.252	(0.239)	-0.137	(0.241)	-0.223	(0.264)	0.120	(0.208)	0.218	(0.211)	0.264	(0.213)
Number of debates in district	-0.048	(0.084)	-0.009	(0.098)	-0.019	(0.087)	0.127	(0.107)	0.083	(0.112)	0.171*	(0.099)
1st voteshare (2011)	-0.285	(0.705)	0.553	(0.959)	0.537	(1.030)	2.556**	(1.003)	1.733*	(0.929)	2.181**	(0.997)
2nd voteshare (2011)	0.055	(0.750)	0.225	(0.829)	-0.000	(0.866)	0.123	(0.641)	0.335	(0.677)	0.363	(0.678)
3rd voteshare (2011)	1.907*	(1.022)	1.708	(1.282)	2.730**	(1.348)	-0.767	(0.934)	-1.117	(0.972)	-1.290	(0.966)
Voteshare HHI (2011)	0.277	(0.816)	-0.580	(1.025)	-0.572	(1.117)	-2.854**	(1.156)	-1.928*	(1.082)	-2.487**	(1.145)
Turnout (2011)	-5.027**	(2.338)	-5.631*	(2.956)	-5.629*	(3.130)	-2.258	(2.193)	-3.845*	(2.187)	-2.838	(2.336)
Share of repeat candidates (2017)	1.124***	(0.421)	1.317**	(0.558)	1.274**	(0.537)	0.473	(0.442)	0.943**	(0.429)	0.718*	(0.405)
Log population density (2008)	0.034	(0.049)	-0.007	(0.061)	0.009	(0.060)	0.021	(0.052)	0.041	(0.050)	0.006	(0.051)
Share with GSM coverage (2015)	0.054	(0.318)	-0.234	(0.409)	-0.156	(0.386)	-0.296	(0.320)	-0.481	(0.303)	-0.282	(0.315)
Share owns a radio (2016)	-0.208	(0.346)	-0.009	(0.433)	-0.186	(0.415)	0.117	(0.392)	0.050	(0.357)	0.060	(0.377)
Share gets radio news often (2016)	-0.270	(0.473)	-0.346	(0.566)	-0.197	(0.536)	-0.172	(0.429)	-0.171	(0.419)	-0.070	(0.390)
Share over 18 (2008)	-3.545	(2.305)	-5.161*	(2.926)	-5.214	(3.158)	-7.396***	(2.467)	-9.506***	(2.533)	-8.035***	(2.817)
Share with secondary education (2008)	1.072	(1.196)	3.307*	(1.830)	2.832	(1.735)	2.214**	(0.935)	2.686***	(0.961)	2.234**	(0.885)
Avg. N radio stations covering each town (2016)	0.013	(0.009)	0.019	(0.012)	0.019	(0.013)	0.007	(0.009)	0.014	(0.009)	0.012	(0.010)
ED: scheduled debate week	-0.521**	(0.196)	-0.669**	(0.282)	-0.743**	(0.301)	-0.365**	(0.152)	-0.493***	(0.154)	-0.385**	(0.154)
Observations	3,492		3,492		3,492		3,496		3,496		3,496	
Weight	No		1/Obs		Reg/Obs		No		1/Obs		Reg/Obs	
B. Challengers												
Intensive Invite	-0.067*	(0.037)	-0.078**	(0.033)	-0.081**	(0.037)	-0.028	(0.028)	-0.005	(0.030)	-0.018	(0.029)
Days since Sept 1	0.012***	(0.002)	0.012***	(0.002)	0.012***	(0.002)	0.012***	(0.001)	0.011***	(0.001)	0.012***	(0.001)
Respondent is male	0.085***	(0.032)	0.059*	(0.034)	0.078**	(0.032)	0.212***	(0.028)	0.211***	(0.037)	0.194***	(0.034)
Respondent age	-0.001	(0.001)	-0.001	(0.002)	-0.002	(0.002)	0.001	(0.001)	-0.000	(0.002)	-0.000	(0.002)
Candidate party: UP	0.122***	(0.038)	0.108***	(0.031)	0.103***	(0.034)	0.185***	(0.067)	0.138**	(0.059)	0.124**	(0.056)
Education: Primary	0.004	(0.054)	0.040	(0.055)	0.029	(0.053)	-0.015	(0.061)	-0.017	(0.068)	0.004	(0.066)
Education: Secondary	0.025	(0.036)	0.046	(0.039)	0.027	(0.035)	0.124***	(0.039)	0.139***	(0.038)	0.135***	(0.038)
Education: Tertiary	-0.012	(0.036)	0.001	(0.038)	0.002	(0.037)	0.018	(0.035)	0.017	(0.044)	0.018	(0.041)
Number of candidates (2017)	-0.009	(0.014)	-0.023*	(0.012)	-0.009	(0.013)	-0.015	(0.010)	-0.014	(0.011)	-0.013	(0.010)
Incumbent ran in election (2017)	-0.050	(0.052)	-0.049	(0.046)	-0.064	(0.050)	-0.081*	(0.047)	-0.085*	(0.044)	-0.103**	(0.046)
Log registered voters (2017)	0.123	(0.096)	0.138	(0.084)	0.110	(0.096)	0.135	(0.113)	0.103	(0.089)	0.072	(0.089)
Number of debates in district	0.026	(0.085)	0.085	(0.070)	0.015	(0.076)	0.045	(0.074)	0.056	(0.069)	0.049	(0.068)
1st voteshare (2011)	-0.305	(0.573)	0.180	(0.514)	-0.191	(0.539)	-0.320	(0.650)	-0.067	(0.616)	-0.114	(0.667)
2nd voteshare (2011)	0.680	(0.506)	0.741	(0.520)	0.374	(0.543)	0.710	(0.488)	0.525	(0.485)	0.220	(0.479)
3rd voteshare (2011)	-0.492	(0.815)	0.300	(0.686)	0.342	(0.905)	-1.919**	(0.849)	-0.990	(0.936)	-1.210	(0.943)
Voteshare HHI (2011)	0.506	(0.685)	-0.021	(0.626)	0.405	(0.644)	0.235	(0.751)	0.130	(0.683)	0.134	(0.734)
Turnout (2011)	0.238	(0.821)	-0.378	(0.712)	-0.018	(0.717)	1.214	(1.064)	0.469	(0.855)	0.381	(0.859)
Share of repeat candidates (2017)	0.031	(0.169)	-0.042	(0.147)	-0.057	(0.171)	-0.326*	(0.180)	-0.142	(0.200)	-0.207	(0.209)
Log population density (2008)	-0.021	(0.033)	-0.029	(0.030)	-0.020	(0.032)	-0.005	(0.037)	0.030	(0.037)	0.036	(0.034)
Share with GSM coverage (2015)	0.016	(0.113)	0.045	(0.098)	0.022	(0.102)	0.239	(0.161)	0.103	(0.136)	0.107	(0.134)
Share owns a radio (2016)	0.388	(0.238)	0.358*	(0.207)	0.383*	(0.201)	0.538*	(0.315)	0.267	(0.276)	0.334	(0.264)
Share gets radio news often (2016)	-0.084	(0.184)	-0.110	(0.167)	-0.137	(0.178)	-0.327	(0.203)	-0.200	(0.215)	-0.262	(0.199)
Share over 18 (2008)	-0.256	(1.185)	0.020	(1.016)	-0.047	(1.078)	-1.041	(1.506)	-1.760	(1.277)	-1.255	(1.376)
Share with secondary education (2008)	-0.227	(0.652)	-0.129	(0.699)	0.085	(0.669)	-0.517	(0.806)	-1.010	(0.802)	-0.809	(0.766)
Avg. N radio stations covering each town (2016)	-0.005	(0.005)	-0.004	(0.005)	-0.005	(0.004)	-0.011**	(0.005)	-0.009*	(0.005)	-0.012**	(0.005)
ED: scheduled debate week	0.104	(0.080)	0.050	(0.061)	0.066	(0.074)	0.152*	(0.088)	0.109	(0.075)	0.136	(0.082)
Observations	8,678		8,678		8,678		8,686		8,686		8,686	
Weight	No		1/Obs		Reg/Obs		No		1/Obs		Reg/Obs	

Notes: Outcomes are standardized. Columns 1-3: index of how often candidates (1) visited (2) distributed leaflets (3) bought votes in respondents' communities; 4-6: index of how often respondents heard candidates on radio in two weeks before election. Specifications estimated using OLS including randomization block fixed effects, enumerator fixed effects, and predetermined covariates defined at the electoral district, individual respondent, and candidate levels. Weights: *Obs*: observations in electoral district; *Reg*: registered voters in electoral district. Standard errors clustered by electoral district in parentheses. * p < 0.1, ** p < 0.05, *** p < 0.01.

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