Bwindi Law Review Tables & Figures

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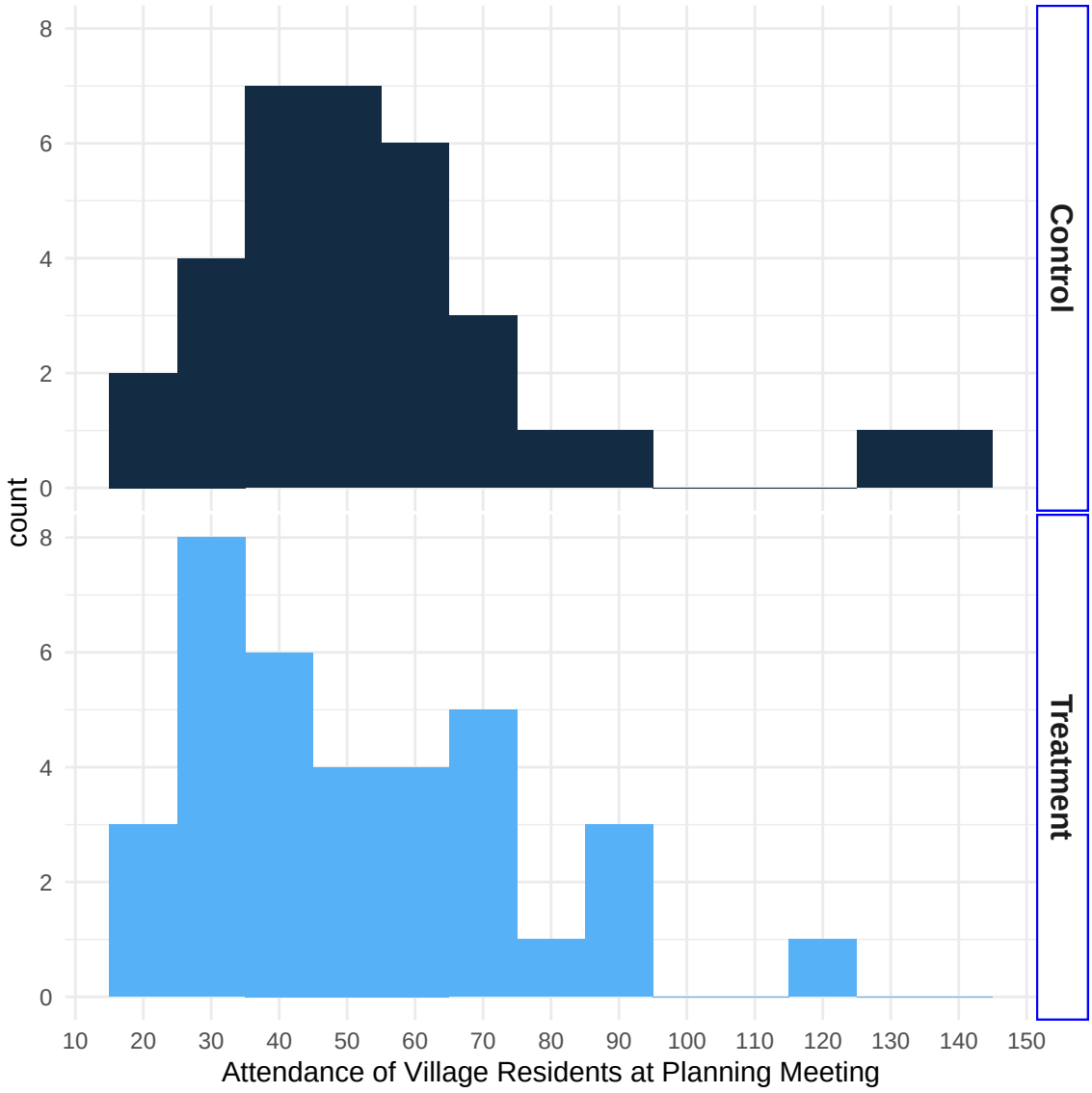
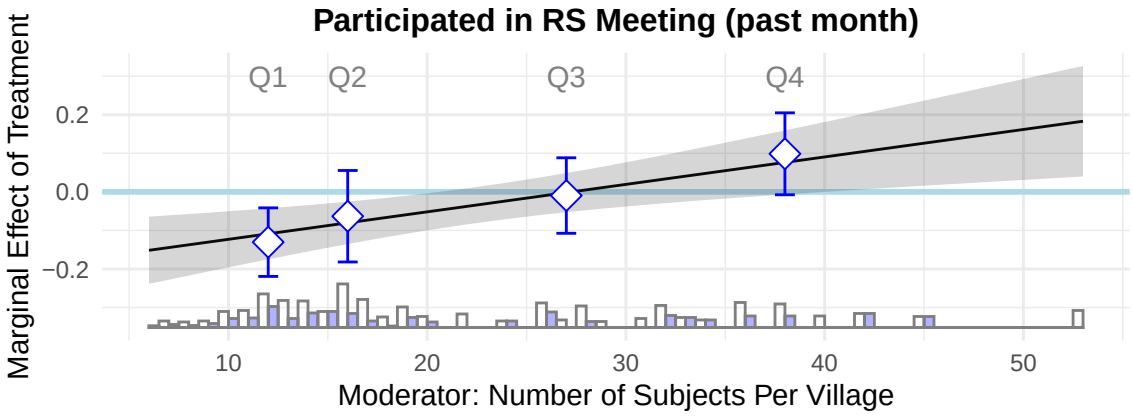
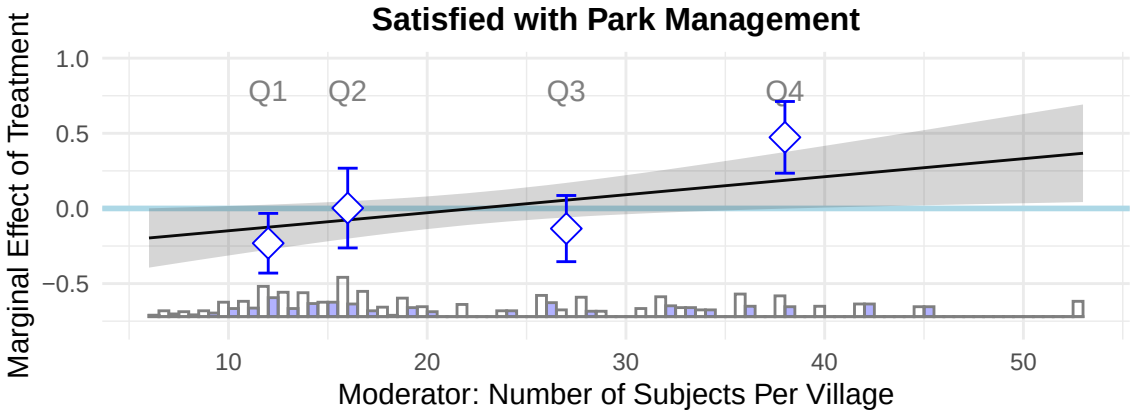
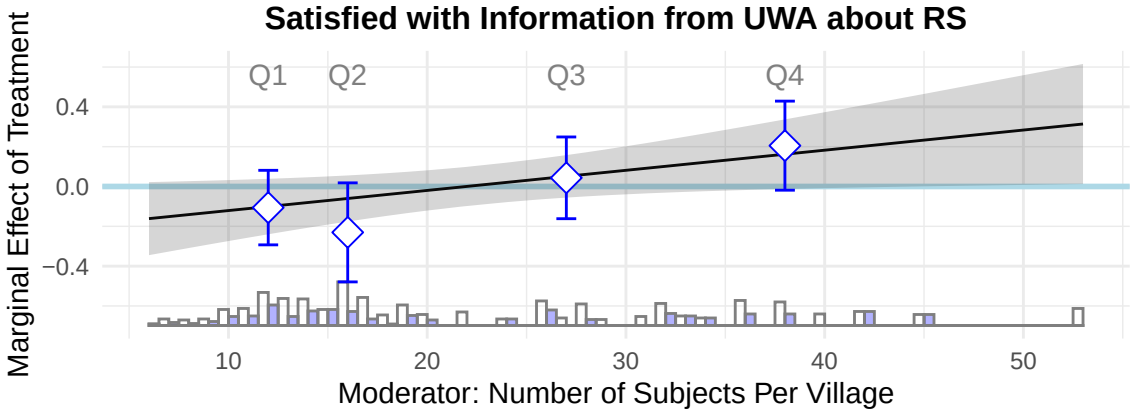
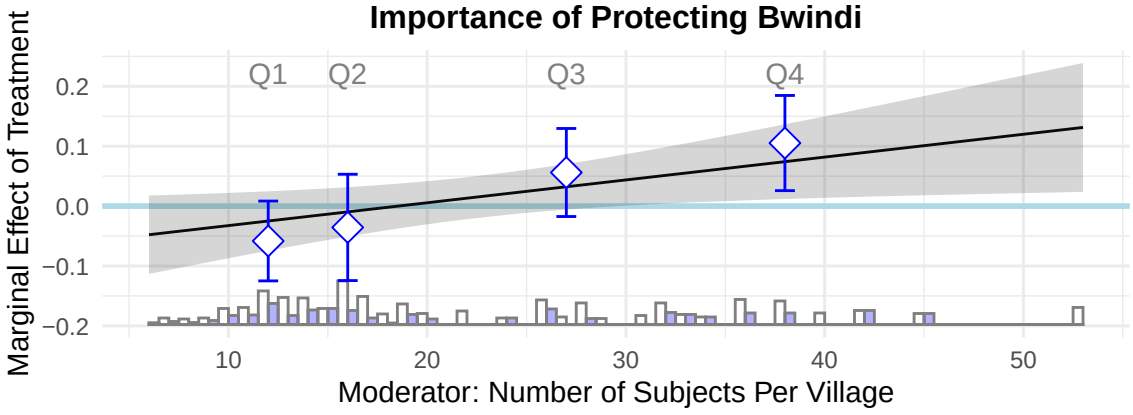
3/12/2020




Participated in RS Meeting (past month)
Marginal Effect of Treatment
Q1
Q2
Q3
Q4
0.2
0.0
−0.2
10
20
30
40
50
Moderator: Number of Subjects Per Village


Satisfied with Park Management
Marginal Effect of Treatment
Q1
Q2
Q3
Q4
1.0
0.5
0.0
−0.5
10
20
30
40
50
Moderator: Number of Subjects Per Village


Satisfied with Information from UWA about RS
Marginal Effect of Treatment
Q1
Q2
Q3
Q4
0.4
0.0
−0.4
10
20
30
40
50
Moderator: Number of Subjects Per Village


Importance of Protecting Bwindi
Marginal Effect of Treatment
Q1
Q2
Q3
Q4
0.2
0.1
0.0
−0.1
−0.2
10
20
30
40
50
Moderator: Number of Subjects Per Village

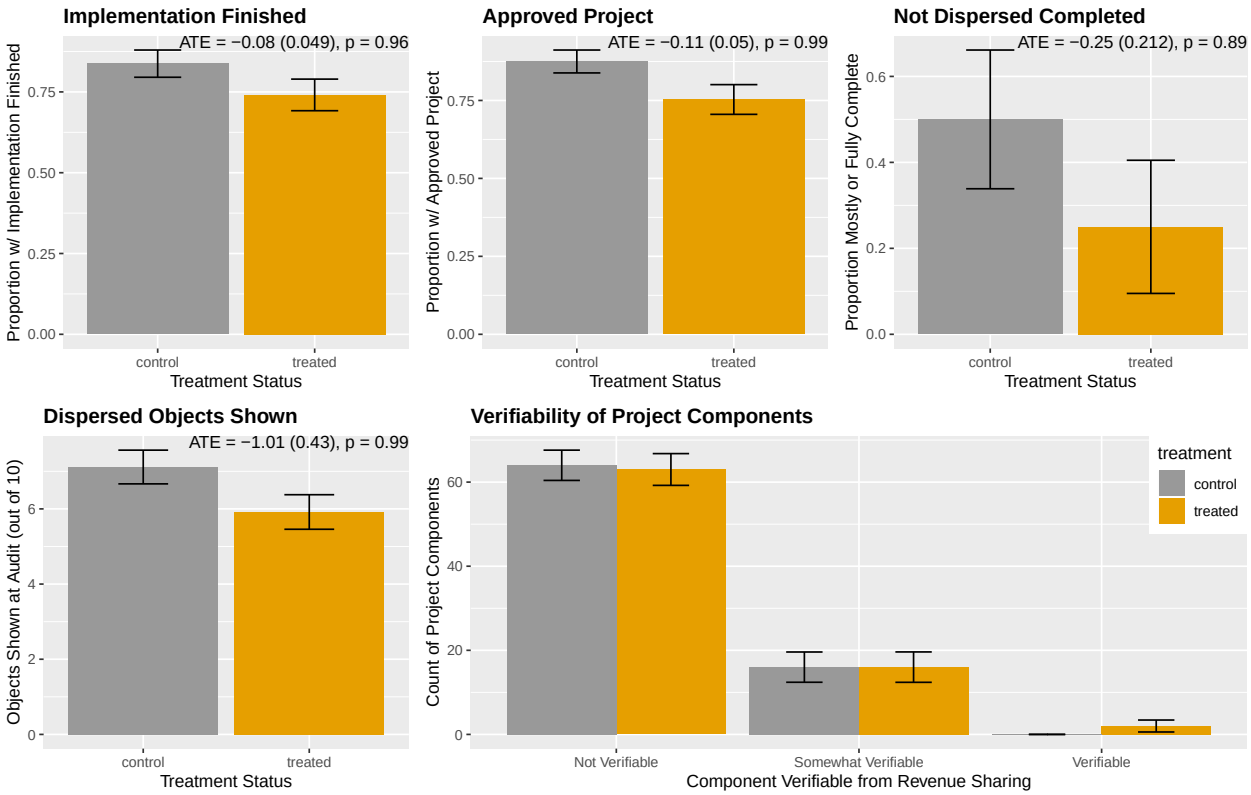

Implementation Finished
ATE = −0.08 (0.049), p = 0.96
Proportion w/ Implementation Finished
0.00
0.25
0.50
0.75
control
treated
Treatment Status
Approved Project
ATE = −0.11 (0.05), p = 0.99
Proportion w/ Approved Project
0.00
0.25
0.50
0.75
control
treated
Treatment Status
Not Dispersed Completed
ATE = −0.25 (0.212), p = 0.89
Proportion Mostly or Fully Complete
0.0
0.2
0.4
0.6
control
treated
Treatment Status
Dispersed Objects Shown
ATE = −1.01 (0.43), p = 0.99
Objects Shown at Audit (out of 10)
0
2
4
6
control
treated
Treatment Status
Verifiability of Project Components
Count of Project Components
0
20
40
60
Not Verifiable
Somewhat Verifiable
Verifiable
Component Verifiable from Revenue Sharing
treatment
control
treated

Table 1: **Treatment Effects on Participation Outcomes by Subgroupings**

Grouping	Treatment	Opportunities to Communicate	Opportunities to Participate	Participated in Planning
pooled	1	3.94 (se=0.051, n=797)	3.42 (se=0.043, n=797)	0.72 (se=0.021, n=797)
pooled	0	3.97 (se=0.044, n=875)	3.55 (se=0.038, n=875)	0.75 (se=0.020, n=875)
pooled	diff	-0.03 (se=0.069, n=1672)	-0.13 (se=0.060, n=1672)	-0.04 (se=0.027, n=1672)
male	1	3.97 (se=0.060, n=360)	3.51 (se=0.049, n=360)	0.72 (se=0.024, n=360)
male	0	4.04 (se=0.055, n=406)	3.56 (se=0.042, n=406)	0.78 (se=0.020, n=406)
male	diff	-0.08 (se=0.076, n=766)	-0.05 (se=0.066, n=766)	-0.06 (se=0.031, n=766)
female	1	3.82 (se=0.112, n=105)	3.10 (se=0.111, n=105)	0.70 (se=0.044, n=105)
female	0	3.73 (se=0.094, n=128)	3.52 (se=0.077, n=128)	0.67 (se=0.039, n=128)
female	diff	0.09 (se=0.143, n=233)	-0.42 (se=0.133, n=233)	0.03 (se=0.064, n=233)
impoverished	1	3.84 (se=0.065, n=282)	3.35 (se=0.060, n=282)	0.73 (se=0.026, n=282)
impoverished	0	3.82 (se=0.069, n=275)	3.55 (se=0.049, n=275)	0.77 (se=0.026, n=275)
impoverished	diff	0.02 (se=0.099, n=557)	-0.20 (se=0.075, n=557)	-0.05 (se=0.037, n=557)
not impoverished	1	4.10 (se=0.079, n=181)	3.52 (se=0.065, n=181)	0.71 (se=0.032, n=181)
not impoverished	0	4.15 (se=0.060, n=256)	3.55 (se=0.051, n=256)	0.73 (se=0.027, n=256)
not impoverished	diff	-0.04 (se=0.104, n=437)	-0.02 (se=0.083, n=437)	-0.02 (se=0.043, n=437)
not fully literate	1	3.93 (se=0.059, n=288)	3.35 (se=0.062, n=288)	0.75 (se=0.025, n=288)
not fully literate	0	3.93 (se=0.064, n=305)	3.62 (se=0.039, n=305)	0.78 (se=0.023, n=305)
not fully literate	diff	0.00 (se=0.086, n=593)	-0.27 (se=0.075, n=593)	-0.03 (se=0.036, n=593)
literate	1	3.94 (se=0.086, n=177)	3.53 (se=0.070, n=177)	0.66 (se=0.037, n=177)
literate	0	4.02 (se=0.075, n=229)	3.45 (se=0.064, n=229)	0.72 (se=0.029, n=229)
literate	diff	-0.08 (se=0.113, n=406)	0.08 (se=0.096, n=406)	-0.06 (se=0.046, n=406)

Outcome Variables: *Opportunities to Communicate* is a survey response on a Likert scale of 1 (Very Dissatisfied) to 5 (Very Satisfied) on perceived opportunities to communicate with UWA about revenue sharing. *Opportunities to Participate* is a survey response on a Likert scale of 1 (Disagree) to 4 (Agree) on agreement that people like the respondent have opportunities to participate in revenue sharing. *Participated in Planning* is a binary survey response on whether the individual participated in planning meetings. **Grouping Variables:** *Pooled* are all respondents by experimental condition. *Gender* is the self-reported gender of respondents. *Impoverished* indicates all individuals in households with an average monthly income of less than 100,000 shillings. *Literacy* is defined by self-reported full literacy. **Standard Errors:** All standard errors are bootstrapped within experimental and grouping conditions. The standard errors on the treatment effect (diff) are the average differences between the bootstrapped values within each experimental condition over many draws.

Table 2: **Treatment Effects on Accountability Outcomes by Subgroupings**

Grouping	Treatment	Implemented	Satisfied Implementation	Chose Again	Corruption	Evidence Shown
pooled	1	0.87 (se=0.011, n=938)	1.99 (se=0.023, n=938)	0.55 (se=0.016, n=938)	0.43 (se=0.016, n=938)	0.54 (se=0.017, n=938)
pooled	0	0.92 (se=0.009, n=916)	2.02 (se=0.027, n=916)	0.52 (se=0.016, n=916)	0.41 (se=0.017, n=916)	0.59 (se=0.016, n=916)
pooled	diff	-0.05 (se=0.014, n=1854)	-0.04 (se=0.034, n=1854)	0.04 (se=0.023, n=1854)	0.02 (se=0.024, n=1854)	-0.05 (se=0.023, n=1854)
female	1	0.89 (se=0.014, n=453)	1.99 (se=0.035, n=453)	0.53 (se=0.023, n=453)	0.44 (se=0.022, n=453)	0.55 (se=0.022, n=453)
female	0	0.95 (se=0.010, n=427)	2.04 (se=0.036, n=427)	0.54 (se=0.024, n=427)	0.40 (se=0.025, n=427)	0.60 (se=0.024, n=427)
female	diff	-0.06 (se=0.018, n=880)	-0.04 (se=0.048, n=880)	-0.01 (se=0.033, n=880)	0.04 (se=0.033, n=880)	-0.05 (se=0.031, n=880)
male	1	0.85 (se=0.016, n=485)	1.98 (se=0.035, n=485)	0.58 (se=0.022, n=485)	0.42 (se=0.022, n=485)	0.52 (se=0.022, n=485)
male	0	0.90 (se=0.013, n=489)	2.01 (se=0.040, n=489)	0.49 (se=0.023, n=489)	0.42 (se=0.023, n=489)	0.57 (se=0.022, n=489)
male	diff	-0.05 (se=0.022, n=974)	-0.03 (se=0.048, n=974)	0.08 (se=0.031, n=974)	-0.00 (se=0.031, n=974)	-0.05 (se=0.032, n=974)
impoverished	1	0.87 (se=0.011, n=797)	1.97 (se=0.026, n=797)	0.56 (se=0.018, n=797)	0.43 (se=0.017, n=797)	0.54 (se=0.018, n=797)
impoverished	0	0.94 (se=0.009, n=809)	2.03 (se=0.029, n=809)	0.53 (se=0.017, n=809)	0.40 (se=0.017, n=809)	0.59 (se=0.017, n=809)
impoverished	diff	-0.07 (se=0.015, n=1606)	-0.05 (se=0.040, n=1606)	0.03 (se=0.024, n=1606)	0.03 (se=0.025, n=1606)	-0.05 (se=0.025, n=1606)
not impoverished	1	0.89 (se=0.026, n=141)	2.05 (se=0.058, n=141)	0.52 (se=0.044, n=141)	0.41 (se=0.045, n=141)	0.52 (se=0.043, n=141)
not impoverished	0	0.84 (se=0.036, n=107)	1.98 (se=0.074, n=107)	0.43 (se=0.048, n=107)	0.46 (se=0.047, n=107)	0.52 (se=0.048, n=107)
not impoverished	diff	0.05 (se=0.043, n=248)	0.07 (se=0.093, n=248)	0.09 (se=0.063, n=248)	-0.05 (se=0.065, n=248)	-0.01 (se=0.061, n=248)
not fully literate	1	0.85 (se=0.013, n=728)	1.98 (se=0.027, n=728)	0.55 (se=0.018, n=728)	0.44 (se=0.020, n=728)	0.55 (se=0.019, n=728)
not fully literate	0	0.93 (se=0.009, n=681)	1.99 (se=0.029, n=681)	0.53 (se=0.019, n=681)	0.41 (se=0.018, n=681)	0.60 (se=0.018, n=681)
not fully literate	diff	-0.08 (se=0.016, n=1409)	-0.02 (se=0.039, n=1409)	0.02 (se=0.027, n=1409)	0.03 (se=0.026, n=1409)	-0.05 (se=0.026, n=1409)
literate	1	0.93 (se=0.018, n=210)	2.01 (se=0.050, n=210)	0.57 (se=0.034, n=210)	0.40 (se=0.036, n=210)	0.50 (se=0.035, n=210)
literate	0	0.90 (se=0.020, n=235)	2.11 (se=0.054, n=235)	0.49 (se=0.034, n=235)	0.42 (se=0.033, n=235)	0.54 (se=0.033, n=235)
literate	diff	0.04 (se=0.027, n=445)	-0.10 (se=0.076, n=445)	0.08 (se=0.047, n=445)	-0.03 (se=0.048, n=445)	-0.04 (se=0.048, n=445)

Outcome Variables: *Implemented* is a survey response that indicates whether the respondent observed any evidence of the approve project being implemented, regardless of its quality or completeness. *Satisfied Implementation* is a survey response on a Likert scale of 0 (Very Dissatisfied) to 3 (Very Satisfied) on the level of satisfaction with the implementation of revenue sharing. *Chosen Again* is a binary survey response on whether the individual would choose the same project again given the experience with planning and implementation. *Corruption* is a binary survey response on whether the individual has seen evidence of corruption in their village's previous revenue sharing projects. *Evidence Shown* is a binary indicator of whether the respondent was willing and able to locate physical evidence of project implementation to be photographed by our research team. **Grouping Variables:** *Pooled* are all respondents by experimental condition. *Gender* is the self-reported gender of respondents. *Impoverished* indicates all individuals in households with an average monthly income of less than 100,000 shillings. *Literacy* is defined by self-reported full literacy. **Standard Errors:** All standard errors are bootstrapped within experimental and grouping conditions. The standard errors on the treatment effect (diff) are the average differences between the bootstrapped values within each experimental condition over many draws.

Table 3: Treatment Effects for Participation Outcomes Considering Spillover

	Dependent variable:					
	Opportunities to Communicate		Opportunities to Participate		Participated in Planning	
	(1)	(2)	(3)	(4)	(5)	(6)
Treated	−0.021	0.025	−0.122	−0.387	−0.047	0.046
	(−0.157, 0.115)	(−0.242, 0.292)	(−0.257, 0.012)	(−0.653, −0.122)	(−0.116, 0.022)	(−0.090, 0.182)
One Contiguous		0.039		−0.214		0.121
		(−0.153, 0.231)		(−0.451, 0.022)		(0.018, 0.224)
Two Contiguous		−0.125		−0.130		0.180
		(−0.405, 0.155)		(−0.405, 0.145)		(0.032, 0.328)
Treated X One Contiguous		−0.177		0.323		−0.083
		(−0.508, 0.155)		(−0.033, 0.679)		(−0.245, 0.080)
Treated X Two Contiguous		0.207		0.352		−0.137
		(−0.183, 0.597)		(−0.015, 0.718)		(−0.345, 0.070)
Village fixed effects	Yes	Yes	Yes	Yes	Yes	Yes
Covariates	Yes	Yes	Yes	Yes	Yes	Yes
Observations	992	992	994	994	999	999
Adjusted R^2	0.041	0.042	0.028	0.030	0.036	0.040

Notes: Confidence intervals are based on standard errors clustered at the village level.

Table 4: Treatment Effects for Village-Level Accountability Outcomes Considering Spillover

	Dependent variable:					
	Implementation Finished	Approved Project	Not Dispersed Completed	Dispersed Objects Shown	Verifiable	Somewhat Verifiable
	(1)	(2)	(3)	(4)	(5)	(6)
Treated	−0.137	−0.176	−0.500	−1.657	−0.018	0.043
	(−0.422, 0.147)	(−0.402, 0.051)	(−1.589, 0.589)	(−4.769, 1.455)	(−0.053, 0.018)	(−0.106, 0.191)
One Contiguous	−0.076	−0.065	−0.071	0.695	−0.017	0.214
	(−0.305, 0.154)	(−0.232, 0.103)	(−1.246, 1.104)	(−2.250, 3.640)	(−0.043, 0.009)	(0.056, 0.371)
Two Contiguous	−0.012	−0.133	0.500	−0.574	−0.003	0.091
	(−0.279, 0.255)	(−0.367, 0.101)	(−0.589, 1.589)	(−3.747, 2.600)	(−0.012, 0.007)	(−0.137, 0.320)
Treated X One Contiguous	0.064	0.042	0.271	0.828	0.060	−0.024
	(−0.253, 0.380)	(−0.228, 0.312)	(−0.982, 1.525)	(−2.512, 4.169)	(−0.005, 0.124)	(−0.263, 0.215)
Treated X Two Contiguous	0.106	0.167	−0.000	0.922	0.018	−0.078
	(−0.335, 0.547)	(−0.242, 0.576)	(−1.541, 1.541)	(−3.610, 5.453)	(−0.024, 0.060)	(−0.465, 0.309)
Block fixed effects	Yes	Yes	Yes	Yes	Yes	Yes
Covariates	No	No	No	No	No	No
Observations	161	161	18	143	161	161
Adjusted R^2	0.165	0.210	−0.164	0.366	0.362	0.018

Notes: Confidence intervals are based on standard errors clustered at the village level.