

SUPPLEMENTARY APPENDIX

**Transparent for whom? Dissemination of information on Ghana's
petroleum and mining revenue management**

SA Table 1. Main media and personal sources for general information

A) Main media information sources in percent (%) for all respondents combined (column All) and separately for the different categories of the respondents

	News about Ghana						News about own area					
	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All
No first source	2	0	0	2	1	1	4	11	11	11	8	8
No second source	13	11	3	8	12	10	34	34	42	43	30	36
Radio	86	88	81	91	92	87	63	55	50	69	71	62
Television	72	75	71	73	74	73	21	16	5	6	27	17
Internet (websites)	10	9	24	4	6	10	3	1	1	0	2	2
Social media	2	2	5	1	1	2	1	1	1	1	1	1
Cell phone	7	7	7	12	3	7	18	29	32	31	9	22
Newspaper	2	4	9	6	6	5	1	1	2	0	2	1
Billboard or poster	0	0	0	0	1	0	3	3	7	4	9	5
Information center	4	4	1	3	4	3	44	40	38	30	33	39
Information van	1	0	0	0	1	1	5	6	6	4	6	5
other	0	0	0	0	0	0	2	3	4	1	1	2
Total (%)	200	200	200	200	200	200	200	200	200	200	200	200
Number of respondents	1210	603	557	385	762	3517	1206	603	557	383	759	3508

Notes: The respondents were asked the following questions: i) Which of these media are the most important one for you when you inform yourself about what happens in Ghana? Please rank two; and ii) Which of these media are the most important one for you when you inform yourself about what happens in your area? Please rank two. As all respondents could list two main sources, the percent shares add up to 200%. Com. cit. = common citizen; UC mem. = Unit Committee member; DA mem. = District Assembly member; Trad. Leader = Traditional leader

B) Main personal information sources in percent (%) for all respondents combined (column All) and separately for the different categories of the respondents

	News about Ghana						News about own area					
	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All
No first source	6	8	4	7	6	6	4	1	0	1	4	3
No second source	14	16	9	13	12	13	8	4	2	5	7	6
A District Assembly member	35	65	62	47	54	50	41	69	26	65	54	49
A Unit Committee member	11	24	9	11	22	15	16	32	46	15	22	25
A Chief	11	13	4	16	17	12	14	23	16	32	26	20
Another local leader	6	5	8	19	12	9	7	8	22	28	19	14
A family member	33	10	6	28	15	20	31	6	3	13	11	16
A friend	46	32	49	24	35	39	38	20	10	12	22	24
Colleagues at work	14	8	22	7	7	12	9	2	2	2	5	5
Other villager or neighbor	21	5	7	15	8	13	25	24	57	18	19	28
Meetings org. by local leaders	1	2	7	4	7	4	4	3	10	5	6	5
Meetings org. by a community group	1	6	4	4	3	1	2	6	4	2	3	2
Meetings org. by another organization	0	4	6	1	1	3	0	0	1	0	1	2
other	2	2	3	4	1	2	1	1	2	3	1	1
Total (%)	200	200	200	200	200	199	200	200	200	200	200	199
Number of respondents	1209	603	557	385	755	3509	1206	603	557	384	757	3507

Notes: The respondents were asked the following questions: i) Which of these people or meetings are the most important one for you when you inform yourself about what happens in Ghana? Please rank two; and ii) Which of these people or meetings are the most important one for you when you inform yourself about what happens in your area? Please rank two. As all respondents could list two main sources, the percent shares add up to 200%. Com. cit. = common citizen; UC mem. = Unit Committee member; DA mem. = District Assembly member; Trad. Leader = Traditional leader.

SA Table 2. Main media and personal source for information about oil, gas, and mining revenues

A) Main media information sources in percent (%) for all respondents combined (column All) and separately for the different categories of the respondents

	National revenue information						Local revenue information					
	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All
No first source	0	2	1	1	2	1	8	20	31	12	15	15
No second source	22	32	22	31	21	25	23	35	55	65	37	38
Radio	91	84	82	94	90	88	82	70	62	77	79	77
Television	73	68	68	62	74	70	71	65	34	23	53	53
Internet (websites)	7	7	13	3	4	7	5	0	7	0	2	3
Social media	0	1	1	1	0	1	0	0	0	0	0	0
Cell phone	2	0	0	1	0	1	8	0	0	0	0	2
Newspaper	2	3	10	6	4	5	2	5	7	0	3	3
Billboard or poster	0	0	0	0	0	0	0	0	0	0	0	0
Information center	2	2	0	1	2	1	0	5	0	15	11	6
Information van	0	0	0	0	0	0	2	0	3	4	0	1
other	0	0	2	0	1	1	2	0	0	4	1	1
Total (%)	200	200	200	200	200	200	200	200	200	200	200	200
Number of respondents	234	167	245	170	257	1073	65	20	29	26	95	235

Notes: The respondents were asked the following questions: i) Which of media are the most important one for you when it comes to getting to know how revenues from oil, gas, and mining are handled in Ghana? Please rank two; and ii) Which of media are the most important one for you when it comes to getting to know how revenues from oil, gas, and mining are handled in your area? Please rank two. As all respondents could list two main sources, the percent shares add up to 200%. Com. cit. = common citizen; UC mem. = Unit Committee member; DA mem. = District Assembly member; Trad. Leader = Traditional leader

B) Main personal information sources in percent (%) for all respondents combined (column All) and separately for the different categories of the respondents

	National revenue information						Local revenue information					
	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All
No first source	59	52	57	44	49	53	55	10	10	15	35	33
No second source	65	68	75	60	64	66	66	35	52	31	43	48
A District Assembly member	18	26	20	14	24	20	23	60	76	50	31	39
A Unit Committee member	6	10	2	4	11	6	12	25	3	12	13	13
A Chief	6	2	1	5	7	4	11	5	10	31	22	17
Another local leader	4	3	3	12	7	6	3	30	10	12	16	13
A family member	6	5	2	7	2	4	0	0	0	4	5	3
A friend	19	19	25	22	17	20	12	10	14	8	14	13
Colleagues at work	4	10	7	5	3	6	3	0	0	4	1	2
Other villager or neighbor	13	2	1	15	6	7	9	0	0	4	11	7
Meetings org. by local leaders	0	0	1	5	2	2	0	0	3	8	3	3
Meetings org. by a community group	1	2	0	4	1	1	2	10	7	12	2	4
Meetings org. by another organization	0	3	4	2	3	3	0	15	7	8	1	3
other	1	0	0	1	2	1	3	0	7	4	0	2
Total (%)	200	200	200	200	200	200	200	200	200	200	200	200
Number of respondents	234	167	245	169	252	1067	65	20	29	26	91	231

Notes: As all respondents could list two main sources, the percent shares add up to 200%. The respondents were asked the following questions: i) Which of these people or meetings are the most important one for you when it comes to getting to know how revenues from oil, gas, and mining are handled in Ghana? Please rank two; and ii) Which of these people or meetings are the most important one for you when it comes to getting to know how revenues from oil, gas, and mining are handled in your area? Please rank two. Com. cit. = common citizen; UC mem. = Unit Committee member; DA mem. = District Assembly member; Trad. Leader = Traditional leader

SA Table 3. Main media and personal information sources for general information and oil, gas, and mining revenues for those over and under 30-years

A) Main media information sources in percent (%)

	News about Ghana		News about own area		National revenue information		Local revenue information	
	30+	< 30	30+	< 30	30+	< 30	30+	< 30
No first source	1	1	8	6	1	1	15	14
No second source	10	11	35	36	25	17	41	26
Radio	89	76	63	56	89	83	77	74
Television	74	70	16	24	69	75	50	74
Internet (websites)	8	26	1	6	6	17	2	9
Social media	1	6	1	3	1	2	0	0
Cell phone	7	6	23	19	1	2	2	3
Newspaper	5	3	1	2	5	2	4	0
Billboard or poster	0	0	5	4	0	0	1	0
Information center	4	1	40	36	2	1	8	0
Information van	1	0	6	5	0	0	2	0
other	0	0	2	3	1	1	1	0
Total (%)	200	200	200	200	200	200	200	200
Number of respondents	2,959	504	2,952	504	937	126	200	35

Notes: For questions asked, see Table 1 and 2. As all respondents could list two main sources, the percent shares add up to 200%.

B) Main personal information sources in percent (%)

	News about Ghana		News about own area		National revenue information		Local revenue information	
	30+	< 30	30+	< 30	30+	< 30	30+	< 30
No first source	6	6	3	3	51	63	30	54
No second source	13	15	6	8	65	74	45	69
A District Assembly member	52	36	50	37	20	15	41	26
A Unit Committee member	16	11	26	19	7	6	13	9
A Chief	13	6	22	12	5	1	20	3
Another local leader	10	2	16	7	6	2	13	9
A family member	19	27	14	26	4	3	3	0
A friend	36	58	21	43	20	20	13	11
Colleagues at work	12	13	5	9	6	4	2	0
Other villager or neighbor	11	20	28	28	7	10	7	11
Meetings org. by local leaders	4	2	6	4	2	1	3	0
Meetings org. by a community group	3	2	3	3	2	2	7	6
Meetings org. by another organization	2	1	0	0	3	0	1	3
Other	2	2	2	2	2	1	3	0
Total (%)	200	200	200	200	200	200	200	200
Number of respondents	2,953	504	2,951	504	931	126	196	35

Notes: For questions asked, see Table 1 and 2. As all respondents could list two main sources, the percent shares add up to 200%.

SA Table 4. Main media and personal information sources for general information and oil, gas, and mining revenues for men and women

A) Main media information sources in percent (%)

	News about Ghana		News about own area		National revenue information		Local revenue information	
	Men	Women	Men	Women	Men	Women	Men	Women
No first source	0	3	9	5	1	0	17	5
No second source	9	17	36	34	24	27	41	25
Radio	88	87	60	68	88	90	74	88
Television	73	72	15	27	70	70	50	68
Internet (websites)	12	5	2	2	8	5	3	3
Social media	2	1	1	1	1	0	0	0
Cell phone	7	6	24	14	1	2	1	8
Newspaper	6	1	1	1	6	0	4	0
Billboard or poster	0	0	5	4	0	0	0	3
Information center	3	6	39	38	1	4	7	3
Information van	0	2	5	6	0	1	2	0
other	0	0	3	1	1	1	1	0
Total (%)	200	200	200	200	200	200	200	200
Number of respondents	2,744	770	2,741	766	916	157	195	40

Notes: For questions asked, see Table 1 and 2. As all respondents could list two main sources, the percent shares add up to 200%.

B) Main personal information sources in percent (%)

	News about Ghana		News about own area		National revenue information		Local revenue information	
	Men	Women	Men	Women	Men	Women	Men	Women
No first source	6	5	2	5	52	58	29	53
No second source	14	9	6	7	67	63	46	60
A District Assembly member	53	37	51	38	21	15	41	28
A Unit Committee member	16	14	26	20	7	4	13	10
A Chief	12	10	22	13	4	5	19	8
Another local leader	9	9	15	10	6	5	13	10
A family member	15	40	10	35	4	7	3	0
A friend	40	38	23	30	20	22	12	15
Colleagues at work	13	8	5	6	6	3	2	3
Other villager or neighbor	9	24	28	30	6	15	6	13
Meetings org. by local leaders	4	3	6	2	2	1	3	0
Meetings org. by a community group	3	3	4	3	2	1	7	3
Meetings org. by another organization	3	1	0	0	3	0	2	0
Other	2	1	2	0	1	0	3	0
Total (%)	200	200	200	200	200	200	200	200
Number of respondents	2,739	769	2,741	765	910	157	191	40

Notes: For questions asked, see Table 1 and 2. As all respondents could list two main sources, the percent shares add up to 200%.

SA Table 5. Most and least trusted media and personal information sources

A) Most and least trusted media in percent (%) for all respondents combined (column All) and separately for the different categories of the respondents.

	Trusted media							Distrusted media					
	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All		Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All
Distrust all	7	3	1	4	5	4	Trust all	29	37	24	35	49	34
Trust only one	14	10	5	15	16	12	Distrust only one	35	44	40	52	59	44
Radio	80	86	78	87	85	83	Radio	20	16	23	15	15	18
Television	72	75	77	70	71	73	Television	6	9	4	4	5	6
Internet (websites)	9	9	17	4	5	9	Internet (websites)	15	18	20	24	8	16
Social media	1	1	2	1	0	1	Social media	34	29	40	29	21	31
Cell phone	7	5	6	11	2	6	Cell phone	30	20	32	14	15	24
Newspaper	3	4	11	4	6	5	Newspaper	10	7	8	10	7	8
Billboard or poster	0	0	1	0	1	0	Billboard or poster	8	6	4	8	5	7
Information center	4	5	2	3	6	4	Information center	6	7	5	7	10	7
Information van	2	1	1	1	1	1	Information van	4	4	1	2	4	3
other	0	0	0	0	1	0	other	0	0	0	0	0	0
Total (%)	200	200	200	200	200	200	Total (%)	199	199	200	200	198	199
Number of respondents	1195	598	554	383	757	3487	Number of respondents	1136	558	554	376	707	3331

Notes: For questions asked, see Table 1 and 2. As all respondents could list two main sources, the percent shares add up to 200%.

B) Most and least trusted people in percent (%) for all respondents combined (column All) and separately for the different categories of the respondents.

	Trusted persons							Distrusted persons					
	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All		Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All
Distrust all	8	3	2	5	8	6	Trust all	30	36	40	34	49	37
Trust only one	12	7	6	9	12	10	Distrust only one	39	47	57	50	58	49
A District Assembly member	49	85	38	63	59	57	A District Assembly member	5	8	3	2	7	5
A Unit Committee member	13	28	32	8	19	19	A Unit Committee member	5	4	5	2	5	5
A Chief	24	33	22	43	33	29	A Chief	2	3	4	0	5	3
Another local leader	6	6	15	21	14	11	Another local leader	4	7	3	11	5	5
A family member	36	9	8	21	20	22	A family member	4	6	2	4	2	4
A friend	26	13	10	12	13	17	A friend	32	34	28	27	18	28
Colleagues at work	8	2	8	4	4	6	Colleagues at work	16	13	5	9	6	11
Other villager or neighbor	12	6	24	3	8	11	Other villager or neighbor	49	30	41	51	29	41
Meetings org. by local leaders	3	2	8	3	6	4	Meetings org. by local leaders	4	4	3	2	3	3
Meetings org. by a community group	2	4	4	3	3	3	Meetings org. by a community group	3	4	2	3	2	3
Meetings org. by another organization	1	1	3	1	1	1	Meetings org. by another organization	3	2	2	2	3	2
other	0	1	19	3	1	4	other	4	1	5	2	8	4
Total (%)	200	200	200	200	200	200	Total (%)	200	200	199	200	199	200
Number of respondents	1194	594	556	382	748	3474	Number of respondents	1124	566	552	375	712	3329

Notes: For questions asked, see Table 1 and 2. As all respondents could list two main sources, the percent shares add up to 200%.

SA Table 6. Most and least trusted media and personal information sources by age and gender

A) Most and least trusted media and people in percent (%) for under 30-years old and those who are older

	Trusted media		Distrusted media			Trusted persons		Distrusted persons	
	30+	< 30	30+	< 30		30+	< 30	30+	< 30
Trust none	4	4			Trust none	6	7		
Trust all			35	29	Trust all			37	39
Trust only one	12	11			Trust only one	10	11		
Distrust only one			46	37	Distrust only one			49	52
Radio	84	74	19	15	A District Assembly member	59	46	5	7
Television	74	72	6	5	A Unit Committee member	20	15	4	5
Internet (websites)	7	22	16	13	A Chief	31	20	3	3
Social media	1	3	30	43	Another local leader	12	5	5	4
Cell phone	6	6	22	36	A family member	20	32	4	3
Newspaper	6	5	9	5	A friend	14	32	27	31
Billboard or poster	0	1	7	7	Colleagues at work	5	9	11	9
Information center	5	2	7	7	Other villager or neighbor	10	16	41	38
Information van	1	1	3	3	Meetings org. by local leaders	4	3	3	3
other	0	0	0	0	Meetings org. by a community group	3	2	3	3
Total (%)	200	200	200	200	Meetings org. by another organization	1	0	2	2
Respondents	2,929	502	2,799	486	Other	4	2	5	2
					Total (%)	200	200	200	200
					Respondents	2922	500	2,805	475

Notes: For questions asked, see Table 5. As all respondents could list two main sources, the percent shares add up to 200%.

B) Most and least trusted media and people in percent (%) for men and women

	Trusted media		Distrusted media			Trusted persons		Distrusted persons	
	Men	Women	Men	Women		Men	Women	Men	Women
Trust none	3	11			Trust none	5	9		
Trust all			32	42	Trust all			39	33
Trust only one	10	20			Trust only one	9	12		
Distrust only one			44	47	Distrust only one			51	42
Radio	84	78	17	25	A District Assembly member	59	47	5	6
Television	75	67	5	10	A Unit Committee member	20	17	4	6
Internet (websites)	10	4	16	16	A Chief	32	20	3	2
Social media	1	1	34	22	Another local leader	12	8	5	5
Cell phone	6	6	27	12	A family member	17	39	4	5
Newspaper	6	3	8	10	A friend	16	18	27	32
Billboard or poster	0	1	7	4	Colleagues at work	6	6	10	12
Information center	4	7	7	7	Other villager or neighbor	10	15	40	44
Information van	1	2	3	5	Meetings org. by local leaders	5	3	3	4
Other	0	0	0	0	Meetings org. by a community group	3	3	3	4
Total (%)	200	200	200	200	Meetings org. by another organization	1	1	2	3
Respondents	2,725	755	2,620	710	Other	4	2	5	2
					Total (%)	200	200	200	200
					Respondents	2718	755	2,616	712

Notes: For questions asked, see Table 5. As all respondents could list two main sources, the percent shares add up to 200%.

SA Table 7. Respondents that had/had not in the past year received or heard any information from any source about how revenues from oil, gas or mining had been handled in Ghana and own area

A) In Ghana

	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All
Had not heard (<i>N</i>)	972	432	311	213	490	2418
	81%	72%	56%	56%	66%	69%
Had heard (<i>N</i>)	234	167	245	170	258	1074
	19%	28%	44%	44%	34%	31%
Total	1206	599	556	383	748	3492

B) In own area

	Com. cit.	UC mem.	DA mem.	Trad. leader	Other leader	All
Had not heard (<i>N</i>)	1138	580	525	356	653	3252
	95%	97%	95%	93%	87%	93%
Had heard (<i>N</i>)	65	20	29	26	95	235
	5%	3%	5%	7%	13%	7%
Total	1203	600	554	382	748	3487

SA Table 8. Individual characteristics of informed citizens

SA Tables 8 and 9 show the results when variables are included for each category (Table 1) – individual, household, and geographic – separately. In SA Table 8, Models 1-3 show the results for National resource revenue management (NRRM) and Models 4-6 for local resource revenue management (LRRM). Models 1 and 4 include the variables for personal characteristics and Models 2 and 5 for social and role related aspects. Models 3 and 6 include the variables that were significant or near significant in the previous models. The results show that although gender is strongly related to NRRM when only individual characteristics are included, its impact disappears when the role-related aspects are included in the estimation model. A similar effect can be observed for LRRM.

	(1)	(2)	(3)	(4)	(5)	(6)
	National resource revenue management			Local resource revenue management		
Age	1.002 (0.78)			0.995* (-1.74)		0.994* (-1.95)
	0.438			0.085		0.053
Gender	0.778*** (-3.94)		1.034 (0.39)	0.855* (-1.94)		0.988 (-0.15)
	0.000		0.699	0.054		0.883
Ethnic majority	1.009 (0.14)			1.085 (0.85)		
	0.891			0.399		
Education	1.010 (0.57)			0.972 (-1.23)		
	0.569			0.219		
English literacy skills	1.181*** (3.11)		1.197*** (4.60)	1.164** (2.22)		1.096* (1.82)
	0.002		0.000	0.028		0.072
Travel to Accra	1.267*** (3.23)		1.287*** (3.39)	0.988 (-0.12)		
	0.002		0.001	0.902		
Occupation mining		1.825** (2.01)	1.909** (2.01)		2.824*** (2.67)	2.633** (2.38)
		0.047	0.047		0.009	0.019
Household head		1.121 (1.57)	1.107 (1.09)		0.903 (-1.09)	
		0.120	0.276		0.276	
Common citizen		0.676*** (-5.56)	0.703*** (-4.90)		0.766*** (-2.87)	0.782*** (-2.66)
		0.000	0.000		0.005	0.009
Interest in politics		1.075*** (3.59)	1.058*** (2.72)		1.017 (0.63)	
		0.000	0.008		0.533	
Observations	3,431	3,469	3,462	3,427	3,464	3,432

Table shows results for probit regressions, coefficients are shown in odds ratio. Robust t-values are in parentheses and p-values are given under t-values. Estimations use two-stage clustering (districts and electoral area).

*** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$

SA Table 9. Household and geographical characteristics of informed citizens

SA Table 9 shows the results for NRRM (Models 1 and 2) and LRRM (Models 3 and 4). Models 1 and 3 include the variables for household characteristics and Models 2 and 4 for geographic aspects.

	(1) National resource revenue management	(2) National resource revenue management	(3) Local resource revenue management	(4) Local resource revenue management
HH size	1.003 (0.35)		1.000 (0.01)	
	0.726		0.990	
HH living conditions	1.100*** (3.44)		1.055 (1.43)	
	0.001		0.155	
HH TV	1.261** (2.61)		1.098 (0.71)	
	0.010		0.478	
HH radio	1.614*** (3.65)		1.481* (1.81)	
	0.000		0.073	
HH involved in mining	1.125 (1.04)		1.687*** (3.85)	
	0.302		0.000	
Distance to regional capital		0.998** (-2.36)		0.997** (-2.12)
		0.020		0.036
Urban area		1.180*** (2.84)		0.916 (-0.96)
		0.005		0.341
Presence of mining company		1.405*** (4.68)		1.569*** (4.55)
		0.000		0.000
Observations	3,420	3,425	3,415	3,422

Table shows results for probit regressions, coefficients are shown in odds ratio. Robust t-values are in parentheses and p-values are given under t-values. Estimations use two-stage clustering (districts and electoral area).

**** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$*

SA Table 10. Characteristics of informed citizens. National resource revenue management. Robustness analysis

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
English skills	1.141*** (3.18) 0.002	1.131*** (2.87) 0.005	1.140*** (3.10) 0.002	1.141*** (3.16) 0.002	1.154** (2.55) 0.012	1.140*** (3.15) 0.002	1.136*** (2.98) 0.003	1.139*** (3.13) 0.002
Travel to Accra	1.242*** (2.72) 0.007	1.236*** (2.68) 0.008	1.241*** (2.71) 0.008	1.241*** (2.72) 0.007	1.244*** (2.73) 0.007	1.233*** (2.64) 0.010	1.254*** (2.81) 0.006	1.247*** (2.76) 0.007
Occupation mining	1.558 (1.44) 0.152	1.533 (1.41) 0.162	1.556 (1.43) 0.154	1.558 (1.45) 0.151	1.559 (1.44) 0.152	1.537 (1.39) 0.166	1.553 (1.44) 0.153	1.625 (1.54) 0.127
Common citizen	0.675*** (-6.17) 0.000	0.657*** (-5.56) 0.000	0.678*** (-5.51) 0.000	0.675*** (-6.17) 0.000	0.675*** (-6.16) 0.000	0.704*** (-4.85) 0.000	0.674*** (-6.22) 0.000	0.673*** (-6.21) 0.000
Interest in politics	1.037* (1.68) 0.096	1.036* (1.67) 0.098	1.036* (1.67) 0.098	1.037* (1.71) 0.090	1.037* (1.69) 0.094	1.034 (1.58) 0.118	1.036 (1.63) 0.105	1.036* (1.66) 0.099
HH living conditions	1.059* (1.97) 0.052	1.063** (2.07) 0.041	1.059* (1.97) 0.051	1.060* (1.96) 0.052	1.060** (2.00) 0.047	1.061** (2.03) 0.044	1.058* (1.91) 0.058	1.057* (1.91) 0.059
HH TV	1.041 (0.40) 0.692	1.011 (0.11) 0.916	1.041 (0.40) 0.691	1.038 (0.36) 0.717	1.044 (0.42) 0.676	1.048 (0.46) 0.647	1.038 (0.36) 0.719	1.038 (0.37) 0.712
HH radio	1.420** (2.43) 0.017	1.432** (2.47) 0.015	1.420** (2.43) 0.017	1.420** (2.43) 0.016	1.418** (2.42) 0.017	1.414** (2.40) 0.018	1.411** (2.37) 0.019	1.419** (2.42) 0.017
Distance to regional capital	0.999 (-1.41) 0.163	0.998 (-1.49) 0.139	0.999 (-1.41) 0.162	0.999 (-1.38) 0.170	0.999 (-1.41) 0.161	0.999 (-1.40) 0.165	0.999 (-1.29) 0.200	0.999 (-1.31) 0.192
Urban area	1.093 (1.41) 0.161	1.095 (1.43) 0.155	1.092 (1.41) 0.162	1.093 (1.41) 0.160	1.093 (1.41) 0.161	1.093 (1.41) 0.161	1.096 (1.45) 0.149	1.101 (1.53) 0.128
Presence of mining company	1.334*** (3.63) 0.000	1.306*** (3.37) 0.001	1.333*** (3.57) 0.001	1.327*** (3.43) 0.001	1.333*** (3.61) 0.000	1.328*** (3.56) 0.001	1.320*** (3.46) 0.001	1.346*** (3.60) 0.000
Age		0.998 (-1.04) 0.299						
Gender			0.992 (-0.12) 0.901					
Ethnic majority				1.018 (0.25) 0.800				
Education					0.995 (-0.29) 0.776			
Household head						1.080 (1.02) 0.310		
HH size							0.996 (-0.45) 0.652	
HH involved in mining								0.930 (-0.55) 0.582
Observations	3,384	3,343	3,384	3,384	3,380	3,384	3,350	3,374

Table shows results for probit regressions, coefficients are shown in odds ratio. Robust t-values are in parentheses and p-values are given under t-values. Estimations use two-stage clustering (districts and electoral area). *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$

SA Table 11. Characteristics of informed citizens. Local resource revenue management. Robustness analysis

	(1)	(2)	(3)	(4)	(7)	(5)	(6)	(8)	(9)	(10)
Age	0.994*	0.994*	0.994*	0.993**	0.994*	0.995	0.994*	0.994*	0.994*	0.994*
	(-1.84)	(-1.84)	(-1.83)	(-2.10)	(-1.84)	(-1.52)	(-1.88)	(-1.86)	(-1.87)	(-1.85)
	0.068	0.068	0.070	0.038	0.068	0.130	0.062	0.065	0.063	0.066
English skills	1.053	1.057	1.053	1.119	1.065	1.058	1.057	1.044	1.057	1.057
	(1.00)	(1.07)	(0.99)	(1.57)	(1.22)	(1.07)	(1.06)	(0.83)	(1.06)	(1.06)
	0.320	0.286	0.326	0.120	0.226	0.287	0.293	0.411	0.292	0.291
Occupation mining	1.634	1.641	1.634	1.626	1.620	1.680	1.651	1.647	1.622	1.692
	(1.12)	(1.13)	(1.12)	(1.12)	(1.08)	(1.17)	(1.14)	(1.14)	(1.12)	(1.19)
	0.266	0.260	0.266	0.266	0.283	0.242	0.257	0.258	0.265	0.237
Common citizen	0.787**	0.776***	0.787**	0.774***	0.780***	0.759***	0.776***	0.795**	0.786**	0.788**
	(-2.56)	(-2.65)	(-2.54)	(-2.75)	(-2.68)	(-2.82)	(-2.68)	(-2.54)	(-2.59)	(-2.54)
	0.012	0.009	0.012	0.007	0.008	0.006	0.009	0.012	0.011	0.012
HH living conditions	1.033	1.033	1.033	1.036	1.042	1.032	1.034	1.034	1.034	1.035
	(0.91)	(0.91)	(0.92)	(0.98)	(1.16)	(0.89)	(0.93)	(0.94)	(0.93)	(0.99)
	0.364	0.363	0.361	0.330	0.248	0.377	0.352	0.347	0.354	0.323
HH radio	1.392	1.393	1.392	1.395	1.416	1.398	1.409	1.389	1.402	1.412
	(1.47)	(1.48)	(1.47)	(1.48)	(1.57)	(1.50)	(1.56)	(1.46)	(1.53)	(1.55)
	0.143	0.142	0.143	0.143	0.119	0.137	0.122	0.146	0.128	0.123
HH involved in mining	1.431**	1.432**	1.432**	1.431**	1.448**	1.432**	1.428**	1.440**	1.436**	1.427**
	(2.24)	(2.25)	(2.24)	(2.23)	(2.31)	(2.24)	(2.21)	(2.25)	(2.27)	(2.23)
	0.027	0.026	0.027	0.027	0.023	0.027	0.029	0.026	0.025	0.028
Distance to regional capital	0.998	0.998	0.998	0.998*	0.998*	0.998	0.998	0.998	0.998	0.998*
	(-1.63)	(-1.63)	(-1.60)	(-1.66)	(-1.90)	(-1.63)	(-1.63)	(-1.60)	(-1.63)	(-1.80)
	0.107	0.107	0.113	0.099	0.060	0.105	0.106	0.112	0.105	0.074
Presence of mining company	1.414***	1.418***	1.413***	1.414***	1.416***	1.421***	1.420***	1.390***	1.417***	1.416***
	(3.40)	(3.41)	(3.22)	(3.37)	(3.41)	(3.45)	(3.44)	(3.17)	(3.41)	(3.41)
	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.001
Gender		1.028								
		(0.32)								
		0.751								
Ethnic majority			1.003							
			(0.02)							
			0.981							
Education				0.970						
				(-1.27)						
				0.205						
Travel to Accra					0.866					
					(-1.35)					
					0.180					
Household head						0.918				
						(-0.84)				
						0.402				
Interest in politics							0.978			
							(-0.84)			
							0.404			
HH size								1.004		
								(0.33)		
								0.744		
HH TV									0.968	
									(-0.24)	
									0.810	
Urban area										0.879
										(-1.34)
										0.183
Observations	3,353	3,353	3,353	3,349	3,352	3,353	3,331	3,320	3,353	3,353

Table shows results for probit regressions, coefficients are shown in odds ratio. Robust t-values are in parentheses and p-values are given under t-values. Estimations use two-stage clustering (districts and electoral area). *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$

SA Table 12. Geographic distribution of NRRM and LRRM

See also the map below.

Region	NRRM	LRRM
Upper East	41%	8%
Ashanti	40%	4%
Brong-Ahafo	34%	1%
Northern	31%	2%
Western	28%	12%
Eastern	28%	13%
Greater Accra	28%	9%
Upper West	26%	3%
Volta	24%	5%
Central	22%	10%
Mean	30%	7%

SA Figure 1. Geographic distribution of NRRM and LRRM

The maps show the geographic distribution for the two dependent variables, NRRM (Map A) and LRRM (Map B), at the region level, using standard deviation from the mean as the classification method. The map shows the regions that existed before 2019 (Ghana has had 16 regions since February 2019).

