

MEDIATING RESILIENCE: INCLUSIVE AND CLIMATE-INFORMED PATHWAYS TO PEACE

Evidence from Uganda and Kenya

Appendix

Table A1: Regression Results, CCLAP Program Effects on Gender Attitudes

	Coefficient (SE)	T-value		Coefficient (SE)	T-value
<i>Treatment</i>	0.07 (0.04)*	1.94	<i>Dosage</i>	0.01 (0.01)**	2.21
<i>Gender</i>	-0.06 (0.02)***	-2.81	<i>Gender</i>	-0.04 (0.03)	-1.58
<i>Age</i>	-0.01 (0.01)	-1.12	<i>Age</i>	-0.01 (0.01)	-0.01
<i>Education</i>	0.04 (0.01)***	3.02	<i>Education</i>	0.02 (0.02)	1.54
<i>Agriculture</i>	0.18 (0.03)***	5.38	<i>Agriculture</i>	0.18 (0.04)	-4.30
<i>Constant</i>	0.63*** (0.05)	13.04	<i>Constant</i>	0.63*** (0.06)	11.17
<i>R-sq</i>	0.12		<i>R-sq</i>	0.10	
<i>N</i>	801		<i>N</i>	521	

*p < 0.10, **p<0.05, ***p<0.01

Figure A1: CCLAP Program Effects on Gender Attitudes (Standardized)

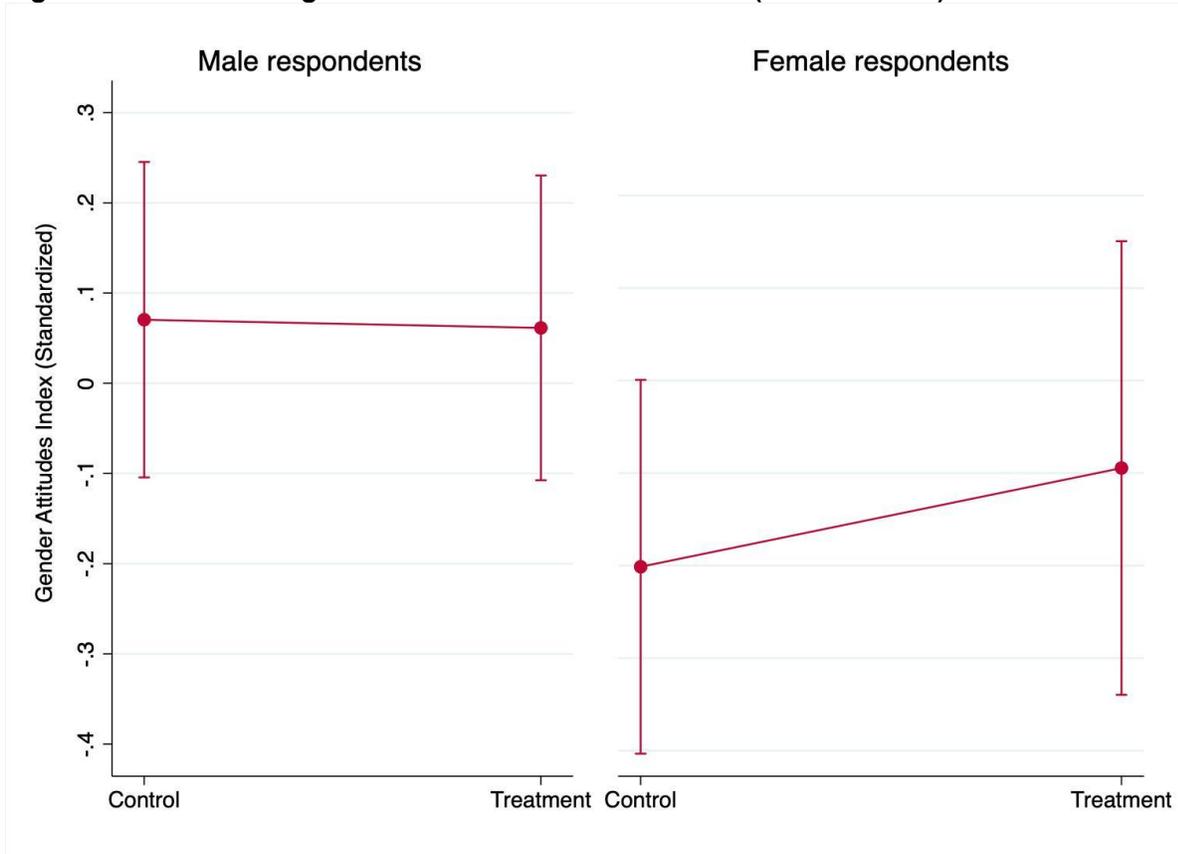


Table A2: CCLAP Program Effects on Women's Participation and Influence

Outcome Variable	Baseline & Endline (IV = survey)		Endline only (IV = treatment)		Difference-in-difference (Dosage)	
	Full sample	Panel only	Treatment	Dosage		
Skills/capacity (self-reported)^	0.28 (0.09)****	0.24 (0.11)*	0.27 (0.05)****	0.04 (0.01)** **	Time (survey)	0.08 (0.06)
					Treatment	0.02 (0.07)
					Time#Treatment	0.37 (0.08)****
Participation (self-reported)^	0.22 (0.06)***	0.44 (0.14)****	1.16 (0.28)****	0.27 (0.05)** **	Time (survey)	-0.53 (0.36)
					Treatment	-0.52 (0.41)
					Time#Treatment	1.51 (0.44)****
Participation in CR (perceived)	0.16 (0.03)****	0.17 (0.03)**	0.14 (0.03)****	0.02 (0.01)** **	Time (survey)	0.06 (0.05)
					Treatment	-0.02 (0.06)
					Time#Treatment	0.13 (0.06)**
Participation in NRM (perceived)	–	–	0.69 (0.13)****	0.13 (0.02)** **	–	–
Preferred role in NRM (perceived)	–	–	0.40 (0.13)***	0.07 (0.02)** **	–	–
Women's influence (perceived)	0.25 (0.08)***	0.02 (0.26)	0.24 (0.10)**	0.06 (0.01)** **	Time (survey)	0.06 (0.10)
					Treatment	-0.09 (0.10)
					Time#Treatment	0.34 (0.12)***

Note: Showing coefficients and robust standard errors for OLS regressions with standard errors clustered by village. For baseline & endline, models include village and survey period fixed effects. All models include controls for gender, age, education, and occupation.

^ Female respondents only

*p < 0.10, **p<0.05, ***p<0.01, ****p<0.001

Table A3: Regression Results, CCLAP Program Effects on Women’s Agency and Empowerment (Endline only)

	Agency			Empowerment		
	<i>Full sample</i>	<i>Women</i>	<i>Men</i>	<i>Full sample</i>	<i>Women</i>	<i>Men</i>
Treatment	0.27 (0.06)****	0.33 (0.07)****	0.16 (0.09)*	0.05 (0.05)	0.10 (0.06)	-0.03 (0.08)
Female	-0.31 (0.06)****	–	–	-0.10 (0.04)**	–	–
Age	0.01 (0.01)	0.02 (0.01)	-0.00 (0.02)	0.04 (0.01)****	0.06 (0.01)***	-0.01 (0.02)
Education	0.11 (0.03)****	0.10 (0.04)***	0.11 (0.04)***	-0.03 (0.02)	-0.02 (0.03)	-0.06 (0.03)
Agriculture	-0.11 (0.05)*	-0.15 (0.07)**	-0.01 (0.08)	-0.14 (0.05)***	-0.15 (0.07)**	-0.14 (0.06)**
Dosage	0.07 (0.01)****	0.08 (0.01)****	0.06 (0.01)****	-0.01 (0.01)	-0.00 (0.01)	-0.01 (0.02)
Female	-0.34 (0.05)****	–	–	-0.10 (0.05)**	–	–
Age	0.02 (0.01)	0.02 (0.01)	0.01 (0.02)	0.04 (0.01)***	0.06 (0.02)***	-0.01 (0.02)
Education	0.11 (0.03)****	0.10 (0.04)***	0.11 (0.04)***	-0.03 (0.02)	-0.01 (0.07)**	-0.06 (0.03)*
Agriculture	-0.05 (0.05)	-0.10 (0.07)	0.04 (0.08)	-0.14 (0.05)***	-0.15 (0.07)**	-0.15 (0.06)**

Note: Showing coefficients and robust standard errors for OLS regressions with standard errors clustered by village. For baseline & endline, models include village and survey period fixed effects. All models include controls for gender, age, education, and occupation.

*p < 0.10, **p<0.05, ***p<0.01, ****p<0.001

Table A4: CCLAP Program Effects on Resilience

Outcome Variable	Baseline & Endline (IV = survey)		Endline only (IV = treatment)		Difference-in-difference (Dosage)	
	Full sample	Panel only	Treatment	Dosage		
Resilience Practices	0.53 (0.04)****	0.41 (0.11)****	1.80 (0.23)****	0.49 (0.07)****	Time (survey)	1.57 (0.30)****
					Treatment	0.35 (0.32)
					Time#Treatment	1.22 (0.38)***
Community manages resources peacefully	–	–	0.34 (0.10)***	0.09 (0.01)****	–	
New income-generating activity	–	–	0.36 (0.22)*	0.13 (0.03)****	–	
Can access money	–	–	0.40 (0.21)*	0.09 (0.04)**	–	
Resilience Index	-0.18 (0.02)****	0.24 (0.06)****	0.18 (0.03)****	0.05 (0.01)****	Time (survey)	-0.35 (0.02)****
					Treatment	0.02 (0.02)
					Time#Treatment	0.18 (0.03)****
Female	-0.01 (0.02)	0.01 (0.03)	-0.03 (0.02)	-0.05 (0.02)***	-0.03 (0.02)**	
Age	-0.01 (0.00)	0.00 (0.01)	-0.01 (0.01)**	-0.01 (0.01)*	-0.01 (0.01)**	
Education	-0.01 (0.02)	-0.02 (0.02)	0.04 (0.02)**	0.04 (0.02)**	0.04 (0.02)**	
Agriculture	-0.01 (0.02)	-0.01 (0.03)	-0.03 (0.03)	0.01 (0.02)	0.01 (0.02)	

Note: Showing coefficients and robust standard errors for OLS regressions with standard errors clustered by village. For baseline & endline, models include village and survey period fixed effects. All models include controls for gender, age, education, and occupation.

*p < 0.10, **p<0.05, ***p<0.01, ****p<0.001

Figure A2: Difference-in-Differences Analysis (Standardized Index)

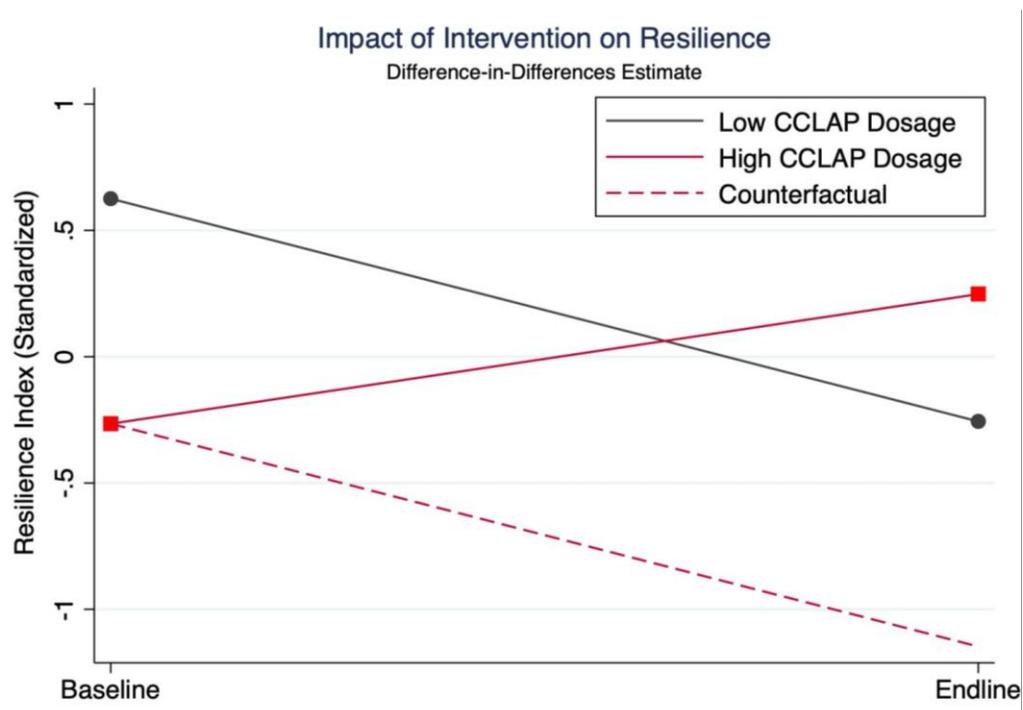


Table A5: SEM of CCLAP on Resilience (Mediator: Women's Participation/Influence)

	Women's Participation	Resilience Index	Women's Influence	Resilience Index
Predictor	Coefficient (SE)	Coefficient (SE)	Coefficient (SE)	Coefficient (SE)
Women's Participation	—	0.17**** (0.02)	—	—
CCLAP Dosage	0.04**** (0.01)	0.03**** (0.01)	0.04**** (0.01)	0.03**** (0.03)
Women's Influence	—	—	—	0.03**** (0.01)
Control Variables				
Survey (Endline)	0.42**** (0.07)	-0.13**** (0.02)	0.34**** (0.03)	-0.18**** (0.02)
Female	-0.11 (0.05)**	-0.04*** (0.02)	-0.11*** (0.02)	-0.03* (0.02)
Age	-0.01 (0.01)	-0.01* (0.01)	0.01*** (0.01)	-0.01*** (0.01)
Education	0.05 (0.03)	0.03*** (0.01)	0.05**** (0.02)	0.03*** (0.01)
Agriculture	0.11 (0.05)**	0.02 (0.01)	0.06*** (0.02)	0.01 (0.01)
Constant	2.03**** (0.17)	0.68**** (0.05)	-0.05 (0.08)	0.75**** (0.05)

N	1,126	1,126		1,126	1,126
Log Likelihood	-9889.8			-8952.8	
Var (women_influence)	0.66			—	
Var (women_part)	—			0.13	
Var (resilience_index)	0.05			0.05	

Table A6: Effects on Negotiation and Mediation

Outcome Variable	Baseline & Endline (IV = survey)		Endline only (IV = treatment)		Difference-in-difference (Dosage)	
	Full sample	Panel only	Treatment	Dosage		
IBMN Knowledge	—	—	0.63 (0.21)***	0.21 (0.04)*** *	—	
Awareness of CR structures	2.55 (0.26)****	2.45 (0.32)****	1.39 (0.32)****	0.21 (0.07)***	Time (survey)	1.69 (0.33)****
					Treatment	-0.10 (0.36)
					Time#Treatment	0.74 (0.46)
Experience in mediation	—	—	0.34 (0.11)***	0.07 (0.02)***	—	
Training in mediation	—	—	0.54 (0.10)****	0.14 (0.02)*** *	—	
Trust in CR structures	—	—	1.34 (0.29)****	0.24 (0.06)*** *	—	
CR structures inclusive	—	—	0.37 (0.10)****	0.08 (0.02)*** *	—	
Comfort communicating in CR	0.18 (0.08)**	0.24 (0.15)*	0.32 (0.08)****	0.07 (0.01)*** *	Time (survey)	-0.03 (0.10)
					Treatment	-0.05 (0.11)

					<i>Time#Treatment</i>	0.29 (0.13)**
Trust in local authorities in CR	0.31 (0.06)****	0.35 (0.16)**	0.33 (0.06)****	0.07 (0.01)*** *	<i>Time (survey)</i>	0.07 (0.10)
					<i>Treatment</i>	-0.03 (0.11)
					<i>Time#Treatment</i>	0.32 (0.12)***

Note: Showing coefficients and robust standard errors for OLS regressions with standard errors clustered by village. For baseline & endline, models include village and survey period fixed effects. All models include controls for gender, age, education, and occupation.

*p < 0.10, **p<0.05, ***p<0.01, ****p<0.001

Table A7: Effects on Conflict and Insecurity

Outcome Variable	Baseline & Endline (IV = survey)		Endline only (IV = treatment)		Difference-in-difference (Dosage)	
	<i>Full sample</i>	<i>Panel only</i>	<i>Treatment</i>	<i>Dosage</i>		
Perceived conflict (3 = increase, 2 = same, 1 = decreased)	-0.20 (0.08)**	-0.22 (0.08)***	-0.02 (0.04)***	-0.03**** (0.01)	<i>Time (survey)</i>	0.07 (0.06)
					<i>Treatment</i>	0.28 (0.10)***
					<i>Time#Treatment</i>	-0.38 (0.11)***
Conflict events	-0.34 (0.23)	-0.35 (0.27)	-0.09 (0.29)	-0.01 (0.06)	<i>Time (survey)</i>	-0.60 (0.32)*
					<i>Treatment</i>	-0.50 (0.36)
					<i>Time#Treatment</i>	0.22 (0.51)
Conflict deaths	-0.51 (0.27)*	-0.51 (0.32)	-0.36 (0.29)	-0.04 (0.06)	<i>Time (survey)</i>	-0.50 (0.30)*
					<i>Treatment</i>	-0.18 (0.38)
					<i>Time#Treatment</i>	0.02 (0.61)

Note: Showing coefficients and robust standard errors for OLS regressions with standard errors clustered by village. For baseline & endline, models include village and survey period fixed effects. All models include controls for gender, age, education, and occupation.

*p < 0.10, **p<0.05, ***p<0.01, ****p<0.001

Table A8: Survey Measures and Questions

Measure	Questions
Gender Attitudes	To what degree do you agree with the following statement: “Nowadays men should participate in household chores rather than leaving it all to the woman.”
	<p>In your opinion, is a husband justified in hitting or beating his wife in the following situations:</p> <ul style="list-style-type: none"> ● If she goes out without telling him? ● If she neglects the children? ● If she argues with him? ● If she burns the food?
Women’s Participation	Do you think you have the skills and capacity to resolve conflicts/clashes/disagreements peacefully?
	Do you have the confidence to use these skills to resolve conflicts/clashes/disagreements peacefully?
	Do women participate in conflict resolution processes within the communities?
	Are women represented in key leadership roles, such as mediators, negotiators, or facilitators in conflict resolution processes?
Women’s Influence	In your opinion, on a scale of 1 to 4, how much influence do women have in shaping decisions within the community? 4 is “a lot of influence” and 1 is “no influence at all.”
Agency	<p>To what extent do you agree or disagree with the following statements?</p> <ul style="list-style-type: none"> ● “I have the skills necessary to provide for myself and my family” ● “I feel like I have the power to influence my own life.” ● “I always manage to solve difficult problems if I try hard enough.” ● “My community respects me.” ● “When my friends or family have disagreements, I am often able to help them resolve their differences.”
Empowerment	Who usually decides how the money you earn will be used: you, your (wife/husband/partner/head of household), or you and your (wife/husband/partner/head of household) jointly?
	Who usually decides how your (husband's/wife's/partner's/head of household's) earnings will be used: you, your (husband/wife/partner/head of household), or you and your (husband/wife/partner/head of household) jointly?
	Who usually makes decisions about making major household purchases: you, your (wife/husband/partner/head of household), or you and your (wife/husband/partner/head of household) jointly?
	Who usually makes decisions about how to prepare for changes in weather patterns or climate (e.g., heavy rainfall/flooding, prolonged drought): you, your (wife/husband/partner/head of household), or you and your (wife/husband/partner/head of household) jointly? These decisions may relate to how much food to store vs. consume, whether to migrate, borrowing money or food from someone.

Resilience	To what extent do you agree or disagree with the following statement? "In general, my community manages shared natural resources peacefully."
	Have you personally implemented any measures to reduce the impact of changes in weather patterns or seasonal shifts in your community?
	What measures have you taken to reduce the impact of changes in weather patterns or seasonal shifts in your community (select all that apply)?
	How many sources of income do you currently have? Please quote them.
	Have you started a new income-generating activity in the past 12 months?
	Could you access money quickly if needed for an emergency?
	How prepared is your community for a potential climate-related shock (drought, flood, poor harvest, loss of livestock, etc.)?
	How confident are you that your household will be able to cope with future climate-related or other shocks and pressures (economic, conflict-related, etc.)?
	How much do you agree or disagree with the following statement: "In times of hardship, your household can change its primary income or source of livelihood if necessary"
	How much do you agree or disagree with the following statement: "If the threats to your household became more frequent and intense, you would still find a way to cope."
Conflict Management and Resolution	Are you aware of the conflict resolution structures available in your community?
	Have you utilized any community structures to help resolve conflicts/clashes/disputes/disagreements?
	How effectively do you think conflicts over natural resources (land, water, livestock, grazing, land use) are resolved in your community?
	Do you trust these structures/mechanisms?
	How confident do you feel reporting conflicts to community authorities or leaders?
	How confident are you that the community authorities or leaders will respond to reports of conflict?
	How confident are you that community authorities or leaders will be able to effectively resolve the conflict?
	Do you know of others in your community who have gone to someone to settle a dispute?
	How comfortable do you feel communicating with others when conflicts/clashes/disagreements arise?

	<p>In the past six months, how many times have you: Mediated or negotiated a dispute?</p>
	<p>In the past six months, how many times have you: Trained or coached someone else in mediation or negotiation skills or practices?</p>
	<p>In the past six months, how many times have you: Led or contributed to a community meeting on natural resource management or issues related to weather changes?</p>
	<p>In the past six months, how many times have you: Trained or coached someone else in taking actions to reduce the risks and enhance resilience to changes in weather patterns or climate (e.g., heavy rainfall/flooding, prolonged drought)?</p>
	<p>To what extent do you agree or disagree with the following statement: "Dispute resolution is successful when one party effectively persuades the other to accept their perspective or solution."</p>
<p>Conflict, Violence, and Insecurity</p>	<p>Do you believe that conflicts/clashes/disagreements in your community have increased, decreased, or remained the same over the past one year?</p>
	<p>In the past year, how often (if ever) have you felt unsafe walking in the area where you live during the day?</p>
	<p>In the past year, how often (if ever) have you felt unsafe walking in the area where you live at night?</p>
	<p>In the past year, how often has insecurity prevented you from working, going to the market or going to school?</p>