

Table 1: Balance table - direct impacts and spillovers

Variable	(1) Control Mean/(SE)	(2) Treatment Mean/(SE)	(1)-(2) Pairwise T-test Asymp/[Perm] P-values	(3) Control Mean/(SE)	(4) Pooled Spillover Mean/(SE)	(3)-(4) Pairwise T-test Asymp/[Perm] P-values
Panel A: Household						
No. of Household Members	5.921 (0.194)	5.476 (0.142)	0.065* [0.088*]	6.153 (0.154)	5.780 (0.121)	0.059* [0.026**]
No. of Adult Equivalent	3.750 (0.110)	3.492 (0.078)	0.059* [0.115]	3.915 (0.089)	3.683 (0.069)	0.041** [0.016**]
Polygamous Household	0.168 (0.032)	0.175 (0.024)	0.874 [0.941]	0.146 (0.024)	0.141 (0.013)	0.867 [0.875]
HH head is also Eligible Individual	0.149 (0.023)	0.208 (0.029)	0.110 [0.434]	0.222 (0.016)	0.239 (0.018)	0.493 [0.601]
Welfare and Food security Z-score	-0.000 (0.084)	0.079 (0.086)	0.512 [0.873]	-0.183 (0.069)	-0.055 (0.069)	0.187 [0.235]
Food Security	2.465 (0.255)	1.825 (0.181)	0.042** [0.154]	2.074 (0.189)	1.592 (0.139)	0.042** [0.024**]
Food Consumption Score	55.611 (1.112)	54.596 (1.130)	0.521 [0.304]	55.433 (1.270)	56.014 (0.914)	0.709 [0.861]
Dietary Diversity Score	7.045 (0.082)	7.154 (0.086)	0.358 [0.576]	6.973 (0.069)	7.016 (0.066)	0.651 [0.498]
Daily Food Consumption (FCFA, ad. equiv.)	361.613 (24.081)	377.728 (20.118)	0.607 [0.801]	318.708 (18.997)	366.863 (18.742)	0.073* [0.011**]
Daily Non-Food Consumption (FCFA, ad. equiv.)	95.687 (6.347)	125.643 (7.724)	0.003*** [0.002***]	85.767 (5.468)	107.827 (6.003)	0.008*** [0.006***]
Total Daily Consumption (FCFA, ad. equiv.)	458.309 (25.336)	502.142 (22.575)	0.197 [0.368]	404.903 (19.717)	474.574 (21.530)	0.018** [0.002***]
N	202	332		405	701	
Panel B: Eligible Individual (woman)						
Female	0.970 (0.013)	0.982 (0.008)	0.451 [0.399]	0.970 (0.010)	0.970 (0.006)	0.984 [0.788]
Age	24.743 (0.407)	25.605 (0.425)	0.144 [1.000]	32.681 (0.529)	31.015 (0.449)	0.018** [0.002***]
Years of Education	1.782 (0.253)	1.524 (0.179)	0.404 [0.953]	1.279 (0.178)	1.268 (0.163)	0.964 [0.631]
Mental Health Z-Index	0.292 (0.088)	0.204 (0.070)	0.432 [0.944]	0.019 (0.072)	0.005 (0.055)	0.875 [0.949]
Self Efficacy Z-Index	-0.015 (0.061)	-0.041 (0.050)	0.737 [0.790]	-0.019 (0.043)	0.011 (0.048)	0.642 [0.546]
Social Standing Z-Index	0.059 (0.081)	-0.028 (0.083)	0.454 [0.507]	-0.034 (0.058)	0.001 (0.046)	0.636 [0.293]
Head Works in Agriculture	0.886 (0.030)	0.916 (0.020)	0.410 [0.601]	0.862 (0.029)	0.901 (0.018)	0.250 [0.219]
No. of Days Worked in Agriculture (per rainy season)	58.545	58.202	0.943	56.879	57.850	0.811
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Table 1: Balance table - direct impacts and spillovers – continued from previous page

Variable	(1) Control Mean/(SE)	(2) Treatment Mean/(SE)	(1)-(2) Pairwise T-test Asymp/[Perm] P-values	(3) Control Mean/(SE)	(4) Pooled Spillover Mean/(SE)	(3)-(4) Pairwise T-test Asymp/[Perm] P-values
Harvest Value (1000 FCFA)	(3.920) 18.234 (3.320)	(2.731) 16.634 (1.975)	[0.724] 0.677 [0.403]	(3.300) 15.414 (2.237)	(2.404) 16.487 (1.482)	[0.436] 0.688 [0.587]
No. of Plots Owned/Managed	0.723 (0.087)	0.723 (0.061)	0.999 [0.809]	0.704 (0.080)	0.795 (0.062)	0.364 [0.108]
Area of Plots Owned/Cultivated (ha)	0.816 (0.130)	0.758 (0.094)	0.714 [0.773]	0.733 (0.106)	0.890 (0.082)	0.240 [0.050*]
Works in Non-Ag Business	0.426 (0.043)	0.431 (0.033)	0.927 [0.914]	0.368 (0.033)	0.364 (0.029)	0.923 [0.479]
No. of Days Worked in Non-Ag Business (per month)	5.163 (0.731)	5.398 (0.595)	0.803 [0.527]	4.620 (0.468)	5.110 (0.477)	0.462 [0.138]
Profits (yearly, 1000 FCFA)	34.929 (6.545)	39.181 (5.545)	0.619 [0.349]	29.380 (4.609)	32.724 (4.470)	0.601 [0.324]
No. of Businesses Owned/Managed.	0.797 (0.081)	0.831 (0.059)	0.733 [0.561]	0.701 (0.056)	0.750 (0.059)	0.548 [0.133]
Business Assets (1000 FCFA)	4.951 (0.759)	5.634 (0.707)	0.509 [0.192]	4.645 (0.635)	5.149 (0.641)	0.575 [0.301]
N	202	332		405	701	

Panel C: Household Head (man) - Eligible Individual Excluded

Female	0.006 (0.006)	0.004 (0.004)	0.772 [1.000]	0.003 (0.003)	0.002 (0.002)	0.633 [0.763]
Age	29.017 (0.809)	29.848 (0.725)	0.444 [1.000]	37.790 (1.061)	34.618 (0.564)	0.009*** [0.001***]
Years of Education	4.262 (0.481)	3.662 (0.357)	0.316 [0.350]	3.683 (0.434)	3.435 (0.309)	0.641 [0.430]
Works in Agriculture	0.855 (0.032)	0.844 (0.026)	0.797 [0.576]	0.825 (0.031)	0.808 (0.025)	0.656 [0.204]
Harvest Value (1000 FCFA)	75.922 (7.128)	90.411 (8.428)	0.191 [0.336]	70.159 (6.381)	72.213 (6.264)	0.818 [0.895]
No. of Plots Owned/Managed	2.192 (0.186)	2.141 (0.128)	0.820 [0.889]	2.140 (0.180)	2.134 (0.132)	0.981 [0.811]
Area of Plots Owned/Cultivated(ha)	2.905 (0.308)	2.603 (0.229)	0.431 [0.099*]	2.701 (0.297)	2.668 (0.209)	0.927 [0.493]
Works in Non-Ag Business	0.355 (0.036)	0.369 (0.032)	0.767 [0.953]	0.321 (0.029)	0.269 (0.023)	0.164 [0.063*]
No. of Days Worked in Non-Ag Business (per month)	2.337 (0.443)	3.255 (0.548)	0.194 [0.145]	2.606 (0.478)	2.682 (0.305)	0.893 [0.906]
Business Profits (yearly, 1000 FCFA)	28.309 (6.333)	23.802 (5.431)	0.588 [0.680]	26.077 (4.793)	27.184 (3.614)	0.853 [0.679]
No. of Businesses Owned/Managed	0.337 (0.047)	0.357 (0.061)	0.792 [0.740]	0.289 (0.037)	0.385 (0.038)	0.074* [0.116]
Business Assets (1000 FCFA)	4196.221	5759.506	0.422	4339.206	3324.824	0.391

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Table 1: Balance table - direct impacts and spillovers – continued from previous page

Variable	(1) Control Mean/(SE)	(2) Treatment Mean/(SE)	(1)-(2) Pairwise T-test Asymp/[Perm] P-values	(3) Control Mean/(SE)	(4) Pooled Spillover Mean/(SE)	(3)-(4) Pairwise T-test Asymp/[Perm] P-values
N	(1271.756) 172	(1475.233) 263	[0.377]	(968.518) 315	(682.766) 525	[0.356]
Panel D: Response Rate						
Response Rate at Follow-Up	0.873 (0.021)	0.883 (0.017)	0.705 [0.586]	0.865 (0.018)	0.890 (0.016)	0.294 [0.298]
Response Rate Baseline to Follow-Up	0.906 (0.023)	0.901 (0.019)	0.860 [0.947]	0.899 (0.021)	0.905 (0.017)	0.821 [0.773]

Notes: Standard errors for all tests are clustered at the village level. Fixed effects using randomization strata are included in all estimation regressions. Both asymptotic and permutation p-values are computed for the pairwise tests. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table 2: Direct impacts on household welfare

	Consumption			Food Security			
	(1) Total Daily Consumption (FCFA, ad. equiv.)	(2) Daily Food Consumption (FCFA, ad. equiv.)	(3) Daily Non-Food Consumption (FCFA, ad. equiv.)	(4) Food Security (reversed FIES)	(5) Dietary Diversity Score (HDDS)	(6) Food Consumption Score (FCS)	(7) Composite Z-Score Index
Treatment	54.193*** (19.209)	37.805*** (12.956)	14.211 (9.482)	-0.184 (0.231)	0.122 (0.093)	2.098 (1.898)	0.168* (0.085)
Observations	1741	1741	1766	1766	1766	1766	1766
Control mean	394.38	299.70	94.69	2.09	6.43	34.36	0.00
Permutation T-test	3.18***	3.01***	2.55**	-0.71	1.36	1.01	2.06*

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. All indices are standardized with respect to the control group in that survey round. Components in columns (2) to (6) are used to construct the Composite Z-Score Index (7).

Table 3: Direct impacts on agriculture

	(1) Works in Agriculture (0,1)	(2) Area of own Plots cultivated (ha)	(3) Work Days on Own Plots	(4) Work Days on other Household Plots	(5) Work Days from other Household Member on Own Plots	(6) Harvest Value (rainy season, 1000 FCFA)
Panel A: Eligible Individual (woman)						
Treatment	-0.006 (0.033)	-0.109 (0.486)	-5.697** (2.815)	-7.470** (3.080)	-9.299* (4.916)	6.891** (3.179)
Observations	1766	1766	1766	1766	1766	1713
Control mean	0.73	1.49	26.95	30.38	33.40	20.28
Permutation T-test	-0.13	-0.24	-2.11*	-2.43**	-2.33**	1.93*
Panel B: Household Head (man)						
Treatment	-0.041 (0.030)	0.061 (0.328)	-9.338** (3.996)	-0.027 (0.666)	-29.039*** (10.339)	9.161 (7.773)
Observations	1487	1487	1487	1487	1487	1441
Control mean	0.72	2.87	63.97	1.66	96.81	87.05
Permutation T-test	-1.39	0.10	-2.37**	-0.04	-3.09***	1.73

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table 4: Direct impacts on off-farm businesses

	(1) Works in Non-Ag Business (0,1)	(2) No. of Non-Ag Businesses	(3) Days in Non-Ag Business (monthly)	(4) Business Revenues (yearly, 1000 FCFA)	(5) Business Profits (yearly, 1000 FCFA)	(6) No. of Months Business in Operation	(7) Business Assets (1000 FCFA)	(8) Business Closure (0,1)	(9) Bought Inputs from Regional Market
Panel A: Eligible Individual (woman)									
Treatment	0.024 (0.044)	0.073 (0.058)	1.230 (0.750)	31.077* (18.500)	7.075 (6.123)	0.700 (0.474)	0.879 (0.714)	0.000 (0.023)	0.067** (0.031)
Observations	1766	1766	1766	1766	1766	1766	1766	1766	1766
Control mean	0.60	0.94	7.05	113.07	40.15	6.04	4.59	0.14	0.17
Permutation T-test	0.54	1.28	1.61	1.78	1.17	1.63	1.31	0.02	2.14*
Panel B: Household Head (man)									
Treatment	0.039 (0.038)	0.015 (0.039)	0.435 (0.464)	14.727 (12.748)	9.057 (5.997)	0.276 (0.308)	159.374 (522.353)	0.014** (0.007)	0.026 (0.017)
Observations	1487	1487	1487	1487	1487	1487	1487	1487	1487
Control mean	0.32	0.23	2.15	48.69	18.36	1.80	2081.44	0.01	0.05
Permutation T-test	1.08	0.41	1.04	1.39	1.48	0.90	0.41	2.07**	1.59

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table 5: Direct impacts on livestock and savings

	Livestock				Savings	
	(1) Works in Livestock (0,1)	(2) Days Spent Raising Livestock (monthly)	(3) Livestock Sale Revenue (1000 FCFA)	(4) Livestock Count (TLU)	(5) Member of Savings Group (0,1)	(6) Total Savings (yearly, 1000 FCFA)
Panel A: Eligible Individual (woman)						
Treatment	0.008 (0.045)	1.061 (0.821)	-0.140 (0.808)	-0.002 (0.043)	0.161*** (0.041)	2.253* (1.160)
Observations	1766	1766	1766	1766	1766	1766
Control mean	0.52	5.42	3.99	0.20	0.37	3.53
Permutation T-test	0.24	1.29	-0.17	-0.04	3.89***	1.55
Panel B: Household Head (man)						
Treatment	-0.005 (0.037)	0.086 (0.897)	-6.849** (3.056)	0.037 (0.049)		
Observations	1487	1487	1487	1487		
Control mean	0.52	10.97	17.39	0.30		
Permutation T-test	-0.13	0.10	-2.24**	0.77		

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. TLU represents Tropical Livestock Units.

Table 6: Direct impacts of women's empowerment and psychosocial well-being

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Beneficiary Share of Total Revenues (%)	Control over HH Resources Z-Index	Intra-Household Dynamics Index	Financial Support Index	Social Support Index	Social Standing Index	Collective Action Index	Social Cohesion Index	Mental Health Index	Self Efficacy Index	Future Expectations Index
Treatment	7.302** (3.051)	0.115* (0.066)	0.145 (0.088)	0.256*** (0.064)	0.083 (0.067)	0.171* (0.099)	0.226*** (0.074)	-0.036 (0.085)	0.016 (0.124)	0.050 (0.058)	0.056 (0.088)
Observations	1766	1740	1766	1766	1766	1766	1766	1766	1766	1766	1373
Control mean	46.34	0.00	-0.07	-0.04	-0.05	-0.07	0.02	-0.03	0.10	0.07	0.09
Permutation T-test	2.88***	1.83	1.66	4.00***	1.24	1.59	3.06**	-0.42	0.04	0.87	0.65

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. All indices are standardized with respect to the control group in that survey round. Results from components of each index are provided in Table A14 (control over household resources index components), Table A15 (intra-household dynamics index components), Table A16 (financial support index components), Table A17 (social support index components), Table A18 (social standing index components), Table A19 (collective action index components), Table A20 (social cohesion and community closeness index components), Table A21 (mental health index components), Table A22 (self-efficacy index components), and Table A23 (future expectations index components).

Table 7: Spillovers on household welfare

	Consumption			Food Security			
	(1) Total Daily Consumption (FCFA, ad. equiv.)	(2) Daily Food Consumption (FCFA, ad. equiv.)	(3) Daily Non-Food Consumption (FCFA, ad. equiv.)	(4) Food Security (reversed FIES)	(5) Dietary Diversity Score (HDDS)	(6) Food Consumption Score (FCS)	(7) Composite Z-Score Index
Pooled Spillover	35.903* (18.845)	26.302* (14.255)	10.357 (8.635)	-0.033 (0.223)	0.152* (0.082)	3.631** (1.733)	0.174** (0.077)
Observations	2603	2603	2650	2650	2650	2650	2650
Control mean	381.59	295.53	85.99	1.95	6.34	33.15	-0.10
Permutation T-test	2.43**	2.16**	1.79*	-0.29	1.92*	2.10*	2.43**

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. All indices are standardized with respect to the control group in that survey round. Components in columns (2) to (6) are used to construct the Composite Z-Score Index (7).

Table 8: Spillovers impacts on agriculture

	(1) Works in Agriculture (0,1)	(2) Area of own Plots cultivated (ha)	(3) Work Days on Own Plots	(4) Work Days on other Household Plots	(5) Work Days from other Household Member on Own Plots	(6) Harvest Value (rainy season, 1000 FCFA)
Panel A: Eligible Individual (woman)						
Pooled Spillover	0.017 (0.032)	-0.280 (0.437)	-6.035** (2.821)	-4.031 (2.468)	-9.796* (4.949)	1.555 (2.677)
Observations	2650	2650	2650	2650	2650	2570
Control mean	0.70	1.42	27.17	26.16	35.49	20.25
Permutation T-test	0.62	-0.61	-2.16*	-1.63	-2.02*	0.56
Panel B: Household Head (man)						
Pooled Spillover	-0.023 (0.028)	-0.394* (0.224)	-5.955 (3.583)	0.024 (0.592)	-24.460*** (8.678)	14.269** (6.943)
Observations	2095	2095	2095	2095	2095	2028
Control mean	0.70	2.85	58.97	1.75	99.66	79.70
Permutation T-test	-0.79	-1.69	-1.71	0.04	-2.98***	2.17*

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table 9: Spillovers impacts on off-farm businesses

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Works in Non-Ag Business (0,1)	No. of Non-Ag Businesses	Days in Non-Ag Business (monthly)	Business Revenues (yearly, 1000 FCFA)	Business Profits (yearly, 1000 FCFA)	No. of Months Business in Operation	Business Assets (1000 FCFA)	Business Closure (0,1)	Bought Inputs from Regional Market
Panel A: Eligible Individual (woman)									
Pooled Spillover	0.009 (0.044)	0.065 (0.065)	2.433*** (0.801)	42.420** (16.519)	13.677** (5.861)	0.938* (0.508)	0.832 (0.703)	-0.029 (0.019)	0.034 (0.030)
Observations	2650	2650	2650	2650	2650	2650	2650	2650	2650
Control mean	0.55	0.86	6.51	97.66	34.98	5.44	4.26	0.14	0.15
Permutation T-test	0.19	1.14	3.08***	2.64***	2.35**	1.99*	1.27	-1.47	1.13
Panel B: Household Head (man)									
Pooled Spillover	0.037 (0.034)	-0.020 (0.035)	0.478 (0.373)	11.581 (10.853)	3.815 (4.064)	0.093 (0.294)	173.503 (511.970)	-0.005 (0.004)	0.034** (0.015)
Observations	2095	2095	2095	2095	2095	2095	2095	2095	2095
Control mean	0.30	0.22	2.02	44.36	17.46	1.70	1853.82	0.01	0.05
Permutation T-test	1.06	-0.40	1.21	1.34	0.93	0.35	0.15	-1.19	2.23**

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table 10: Spillovers impacts on livestock and savings

	Livestock				Savings	
	(1)	(2)	(3)	(4)	(5)	(6)
	Works in Livestock (0,1)	Days Spent Raising Livestock (monthly)	Livestock Sale Revenue (1000 FCFA)	Livestock Count (TLU)	Member of Savings Group (0,1)	Total Savings (yearly, 1000 FCFA)
Panel A: Eligible Individual (woman)						
Pooled Spillover	0.034 (0.040)	1.653** (0.791)	0.751 (0.883)	-0.005 (0.049)	0.098*** (0.034)	2.065** (0.907)
Observations	2650	2650	2650	2650	2650	2650
Control mean	0.46	5.18	3.88	0.19	0.30	3.19
Permutation T-test	0.76	2.09*	0.85	-0.09	2.86**	2.35**
Panel B: Household Head (man)						
Pooled Spillover	0.030 (0.034)	0.688 (0.782)	-6.321** (2.467)	0.079 (0.064)		
Observations	2095	2095	2095	2095		
Control mean	0.46	9.28	15.94	0.29		
Permutation T-test	0.78	0.88	-2.56**	1.24		

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. TLU represents Tropical Livestock Units.

Table 11: Spillovers on women's empowerment and psychosocial well-being

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Beneficiary Share of Total Revenues (%)	Control over HH Resources Z-Index	Intra-Household Dynamics Index	Financial Support Index	Social Support Index	Social Standing Index	Collective Action Index	Social Cohesion Index	Mental Health Index	Self Efficacy Index	Future Expectations Index
Pooled Spillover	5.731* (2.954)	0.115** (0.051)	0.083 (0.084)	0.199*** (0.071)	0.061 (0.073)	0.146 (0.103)	0.120* (0.066)	0.024 (0.085)	0.004 (0.115)	0.002 (0.065)	0.110 (0.079)
Observations	2650	2587	2650	2650	2650	2650	2650	2650	2650	2650	1914
Control mean	47.28	0.04	-0.04	-0.08	-0.01	-0.05	-0.03	-0.02	0.01	0.02	-0.04
Permutation T-test	2.20**	2.44**	0.99	2.81**	0.84	1.42	1.83*	0.28	-0.04	0.01	1.49

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. All indices are standardized with respect to the control group in that survey round. Results from components of each index are provided in Table A14 (control over household resources index components), Table A15 (intra-household dynamics index components), Table A16 (financial support index components), Table A17 (social support index components), Table A18 (social standing index components), Table A19 (collective action index components), Table A20 (social cohesion and community closeness index components), Table A21 (mental health index components), Table A22 (self-efficacy index components), and Table A23 (future expectations index components).

Table 12: Cost-Benefit Analysis

	Treatment Effect Only	Treatment and Spillover
Panel 1: Program costs per beneficiary, 1000 FCFA		
Coordination	10	10
Field Operations	4	4
Cash Grant Transfer fees	3	3
Cash Grant	45	45
Total costs, calculated as if all incurred immediately at beginning of year 0	61	61
(1) Total costs, inflated to year 1 at 5% annual discount rate	64	64
Panel 2: Benefits per household, 1000 FCFA, all values inflated to year 1 at 5% annual social discount rate		
(2) Year 1 food consumption treatment effect	50	106
(3) B1: Year 2 onward food consumption treatment effect, assuming dissipation of 75%	15	32
B2: Year 2 onward food consumption treatment effect, assuming dissipation of 50%	43	92
B3: Year 2 onward food consumption treatment effect, assuming dissipation of 25%	119	253
(4) C: Year 2 onward food consumption treatment effect, assuming year 1 gains persist in perpetuity	904	1914
(5) A: Total benefits: (2) = (5), 5% discount rate, no impact after year 1	50	106
(6) B1: Total benefits: (2) + (3) = (6), 5% discount rate, 75% annual dissipation	65	138
B2: Total benefits, 5% discount rate, 50% annual dissipation	94	198
B3: Total benefits, 5% discount rate, 25% annual dissipation	169	359
(7) C: Total benefits: (2) + (4) = (7), 5% discount rate, assuming year 1 gains persist in perpetuity	954	2020
Panel 3: Benefit/cost ratios		
(8) A: Benefit/cost ratio: (5) / (1) = (8), 5% discount rate	78%	165%
A: Benefit/cost ratio, 7% discount rate	76%	162%
A: Benefit/cost ratio, 10% discount rate	74%	157%
(9) B1: Benefit/cost ratio: (6) / (1) = (9), 5% discount rate, 75% annual dissipation	101%	214%
B2: Benefit/cost ratio, 5% discount rate, 50% annual dissipation	145%	307%
B3: Benefit/cost ratio, 5% discount rate, 25% annual dissipation	263%	557%
(10) C: Benefit/cost ratio: (7) / (1) = (10), 5% discount rate, assuming year 1 gains persist in perpetuity	1480%	3135%
Panel 4: Real internal rate of return (IRR)		
A: Assuming dissipation of 100% after year 2, at 5% discount rate	-18%	73%
B1: Assuming annual dissipation of 75%	7%	98%
B2: Assuming annual dissipation of 50%	32%	123%
B3: Assuming annual dissipation of 25%	57%	148%
C: Assuming effects are sustained in perpetuity	82%	173%

Appendix

Table A1: Balance table - decomposition of spillovers

Variable	(1) Control Mean/(SE)	(2) CT Spillover Mean/(SE)	(1)-(2) Pairwise T-test Asymp/[Perm] P-values	(3) Control Mean/(SE)	(4) Non-CT Spillover Mean/(SE)	(3)-(4) Pairwise T-test Asymp/[Perm] P-values
Panel A: Household						
No. of Household Members	5.921 (0.194)	5.532 (0.123)	0.091* [0.115]	6.384 (0.184)	6.122 (0.199)	0.334 [0.223]
No. of Adult Equivalent	3.750 (0.110)	3.517 (0.070)	0.077* [0.091*]	4.080 (0.107)	3.912 (0.113)	0.280 [0.164]
Polygamous Household	0.168 (0.032)	0.129 (0.018)	0.286 [0.405]	0.123 (0.024)	0.158 (0.020)	0.271 [0.440]
HH head is also Eligible Individual	0.149 (0.023)	0.189 (0.024)	0.223 [0.385]	0.296 (0.030)	0.307 (0.023)	0.759 [0.561]
Welfare and Food security Z-score	-0.000 (0.084)	0.040 (0.083)	0.732 [0.835]	-0.365 (0.078)	-0.185 (0.067)	0.081* [0.090*]
Food Security	2.465 (0.255)	1.708 (0.173)	0.015** [0.009***]	1.685 (0.195)	1.433 (0.141)	0.296 [0.294]
Food Consumption Score	55.611 (1.112)	55.042 (1.034)	0.707 [0.509]	55.256 (1.640)	57.355 (1.214)	0.303 [0.399]
Dietary Diversity Score	7.045 (0.082)	7.120 (0.084)	0.519 [0.355]	6.901 (0.085)	6.872 (0.084)	0.806 [0.911]
Daily Food Consumption (FCFA, ad. equiv.)	361.613 (24.081)	391.588 (21.148)	0.349 [0.361]	276.229 (17.908)	332.047 (19.655)	0.038** [0.006***]
Daily Non-Food Consumption (FCFA, ad. equiv.)	95.687 (6.347)	115.525 (6.967)	0.037** [0.017**]	75.895 (6.545)	97.217 (6.069)	0.018** [0.012**]
Total Daily Consumption (FCFA, ad. equiv.)	458.309 (25.336)	507.176 (24.803)	0.169 [0.148]	352.029 (20.294)	428.667 (21.710)	0.011** [0.002***]
N	202	333		203	368	
Panel B: Eligible Individual (woman)						
Female	0.970 (0.013)	0.982 (0.007)	0.431 [0.331]	0.970 (0.013)	0.954 (0.011)	0.336 [0.326]
Age	24.743 (0.407)	25.105 (0.368)	0.508 [0.590]	40.581 (0.933)	39.160 (0.751)	0.235 [0.220]
Years of Education	1.782 (0.253)	1.474 (0.190)	0.329 [0.378]	0.778 (0.165)	0.984 (0.161)	0.372 [0.207]
Mental Health Z-Index	0.292 (0.088)	0.070 (0.065)	0.044** [0.082*]	-0.252 (0.088)	-0.084 (0.060)	0.115 [0.151]
Self Efficacy Z-Index	-0.015 (0.061)	0.008 (0.053)	0.773 [0.642]	-0.024 (0.065)	0.014 (0.077)	0.706 [0.592]
Social Standing Z-Index	0.059 (0.081)	-0.072 (0.051)	0.175 [0.445]	-0.126 (0.068)	0.102 (0.062)	0.015** [0.006***]
Head Works in Agriculture	0.886 (0.030)	0.922 (0.019)	0.311 [0.241]	0.837 (0.033)	0.872 (0.022)	0.380 [0.522]
No. of Days Worked in Agriculture (per rainy season)	58.545	59.562	0.824	55.222	55.492	0.956
Continued on next page						

Table A1: Balance table - decomposition of spillovers – continued from previous page

Variable	(1)	(2)	(1)-(2)	(3)	(4)	(3)-(4)
	Control Mean/(SE)	CT Spillover Mean/(SE)	Pairwise T-test Asymp/[Perm] P-values	Control Mean/(SE)	Non-CT Spillover Mean/(SE)	Pairwise T-test Asymp/[Perm] P-values
	(3.920)	(2.395)	[0.604]	(3.699)	(3.303)	[0.566]
Harvest Value (1000 FCFA)	18.234 (3.320)	14.450 (1.904)	0.322 [0.258]	12.578 (2.435)	19.312 (2.252)	0.044** [0.014**]
No. of Plots Owned/Managed	0.723 (0.087)	0.775 (0.073)	0.646 [0.430]	0.685 (0.090)	0.823 (0.070)	0.226 [0.055*]
Area of Plots Owned/Cultivated (ha)	0.816 (0.130)	0.863 (0.108)	0.778 [0.475]	0.650 (0.107)	0.927 (0.094)	0.053* [0.009***]
Works in Non-Ag Business	0.426 (0.043)	0.426 (0.037)	0.990 [0.545]	0.310 (0.035)	0.277 (0.029)	0.465 [0.678]
No. of Days Worked in Non-Ag Business (per month)	5.163 (0.731)	5.664 (0.583)	0.591 [0.292]	4.079 (0.570)	4.348 (0.525)	0.728 [0.503]
Profits (yearly, 1000 FCFA)	34.929 (6.545)	34.850 (5.065)	0.992 [0.576]	23.858 (4.711)	29.794 (5.790)	0.426 [0.377]
No. of Businesses Owned/Managed.	0.797 (0.081)	0.829 (0.070)	0.767 [0.328]	0.606 (0.051)	0.641 (0.059)	0.649 [0.409]
Business Assets (1000 FCFA)	4.951 (0.759)	4.898 (0.761)	0.960 [0.784]	4.340 (0.766)	5.495 (0.859)	0.316 [0.164]
N	202	333		203	368	

Panel C: Household Head (man) - Eligible Individual Excluded

Female	0.006 (0.006)	0.000 (0.000)	0.317 [0.086*]	0.000 (0.000)	0.004 (0.004)	0.319 [0.365]
Age	29.017 (0.809)	29.044 (0.544)	0.978 [0.562]	48.343 (1.404)	43.608 (0.845)	0.005*** [0.001***]
Years of Education	4.262 (0.481)	3.622 (0.372)	0.293 [0.216]	2.986 (0.463)	3.133 (0.360)	0.801 [0.945]
Works in Agriculture	0.855 (0.032)	0.815 (0.029)	0.360 [0.200]	0.790 (0.042)	0.796 (0.030)	0.909 [0.359]
Harvest Value (1000 FCFA)	75.922 (7.128)	76.154 (8.405)	0.983 [0.866]	63.070 (8.199)	65.757 (6.682)	0.799 [0.554]
No. of Plots Owned/Managed	2.192 (0.186)	2.174 (0.144)	0.939 [0.930]	2.077 (0.207)	2.071 (0.150)	0.980 [0.598]
Area of Plots Owned/Cultivated(ha)	2.905 (0.308)	2.642 (0.210)	0.478 [0.186]	2.457 (0.327)	2.711 (0.263)	0.543 [0.463]
Works in Non-Ag Business	0.355 (0.036)	0.304 (0.028)	0.263 [0.223]	0.280 (0.037)	0.212 (0.027)	0.141 [0.034**]
No. of Days Worked in Non-Ag Business (per month)	2.337 (0.443)	2.896 (0.390)	0.343 [0.336]	2.930 (0.738)	2.337 (0.419)	0.483 [0.367]
Business Profits (yearly, 1000 FCFA)	28.309 (6.333)	29.660 (4.800)	0.864 [0.652]	23.394 (6.472)	23.191 (4.957)	0.980 [0.875]
No. of Businesses Owned/Managed	0.337 (0.047)	0.433 (0.044)	0.137 [0.187]	0.231 (0.038)	0.306 (0.045)	0.201 [0.353]
Business Assets (1000 FCFA)	4196.221	3184.711	0.525	4511.189	3550.816	0.549

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Table A1: Balance table - decomposition of spillovers – continued from previous page

Variable	(1)	(2)	(1)-(2)	(3)	(4)	(3)-(4)
	Control Mean/(SE)	CT Spillover Mean/(SE)	Pairwise T-test Asymp/[Perm] P-values	Control Mean/(SE)	Non-CT Spillover Mean/(SE)	Pairwise T-test Asymp/[Perm] P-values
N	(1271.756) 172	(960.503) 270	[0.592]	(1408.772) 143	(773.512) 255	[0.389]
Panel D: Response Rate						
Response Rate at Follow-Up	0.873 (0.021)	0.906 (0.018)	0.229 [0.230]	0.853 (0.019)	0.865 (0.018)	0.619 [0.628]
Response Rate Baseline to Follow-Up	0.906 (0.023)	0.913 (0.023)	0.832 [0.885]	0.892 (0.028)	0.894 (0.019)	0.943 [0.791]

Notes: Standard errors for all tests are clustered at the village level. Fixed effects using randomization strata are included in all estimation regressions. Both asymptotic and permutation p-values are computed for the pairwise tests. The randomization inference tests are performed with 1,000 permutations, preserving both the randomization strata and the cluster structure. *** p < 0.01, ** p < 0.05, * p < 0.1.

Table A2: Direct impacts on standardized welfare indices

	Consumption		Food Security Indicators			
	(1) Daily Food Consumption Z-Index	(2) Daily Non-Food Consumption Z-Index	(3) Food Security (reversed FIES) Z-Index	(4) Consumption Score (FCS) Z-Index	(5) Dietary Diversity Score (HDDS) Z-Index	(6) Composite Z-Score Index
Treatment	0.162*** (0.056)	0.138 (0.092)	-0.077 (0.097)	0.118 (0.098)	0.100 (0.076)	0.168* (0.085)
Observations	1741	1766	1766	1766	1766	1766
Control mean	0.00	0.00	0.00	0.00	0.00	0.00

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. All indices are standardized with respect to the control group in that survey round. Components in columns (2) to (6) are used to construct the Composite Z-Score Index (7).

Table A3: Direct impacts on agricultural inputs

	(1) Purchased seeds (0,1)	(2) Used chemical fertilizer (0,1)	(3) Used phytosanitary products (0,1)	(4) Used Paid Labor (0,1)
Treatment	-0.098*** (0.029)	-0.006 (0.010)	0.002 (0.008)	0.078** (0.037)
Observations	1766	1766	1766	1766
Control mean	0.37	0.03	0.02	0.21

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A4: Direct impacts on salaried employment

	All Salaried Employment			Agricultural Employment		
	(1)	(2)	(3)	(4)	(5)	(6)
	Works in Salaried Employment (0,1)	Days Worked in Salaried Employment	Wage Earnings (yearly, 1000 FCFA)	Works in Salaried employment	Days Worked in Salaried Employment	Wage Earnings (yearly, 1000 FCFA)
Panel A: Eligible Individual (woman)						
Treatment	0.019 (0.018)	0.195** (0.085)	0.022 (1.156)	0.016 (0.016)	0.092 (0.069)	0.507 (0.548)
Observations	1766	1766	1766	1766	1766	1766
Control mean	0.07	0.24	3.20	0.04	0.13	1.02
Panel B: Household Head (man)						
Treatment	-0.000 (0.019)	0.051 (0.161)	-0.679 (3.431)	0.013 (0.012)	0.140* (0.082)	0.699 (0.659)
Observations	1487	1487	1487	1487	1487	1487
Control mean	0.11	0.75	13.66	0.03	0.15	1.47

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** p < 0.01, ** p < 0.05, * p < 0.1.

Table A5: Spillovers impacts on standardized welfare indices

	Consumption		Food Security Indicators			
	(1) Daily Food Consumption Z-Index	(2) Daily Non-Food Consumption Z-Index	(3) Food Security (reversed FIES) Z-Index	(4) Consumption Score (FCS) Z-Index	(5) Dietary Diversity Score (HDDS) Z-Index	(6) Composite Z-Score Index
Pooled Spillover	0.113* (0.061)	0.100 (0.084)	-0.014 (0.094)	0.199** (0.088)	0.124* (0.067)	0.174** (0.077)
Observations	2603	2650	2650	2650	2650	2650
Control mean	-0.02	-0.08	-0.06	-0.06	-0.08	-0.10

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. All indices are standardized with respect to the control group in that survey round. Components in columns (2) to (6) are used to construct the Composite Z-Score Index (7).

Table A6: Spillovers impacts on agricultural inputs

	(1)	(2)	(3)	(4)
	Purchased	Used	Used	Used
	seeds	chemical	phytosanitary	Paid
	(0,1)	fertilizer (0,1)	products (0,1)	Labor (0,1)
Pooled Spillover	-0.087*** (0.026)	-0.005 (0.009)	-0.000 (0.008)	0.049* (0.026)
Observations	2650	2650	2650	2650
Control mean	0.36	0.03	0.02	0.18

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A7: Spillovers impacts on salaried employment

	All Salaried Employment			Agricultural Employment		
	(1) Works in Salaried Employment (0,1)	(2) Days Worked in Salaried Employment	(3) Wage Earnings (yearly, 1000 FCFA)	(4) Works in Salaried employment	(5) Days Worked in Salaried Employment	(6) Wage Earnings (yearly, 1000 FCFA)
Panel A: Eligible Individual (woman)						
Pooled Spillover	0.015 (0.016)	0.174* (0.097)	0.998 (1.307)	0.010 (0.013)	0.069 (0.070)	0.702 (0.541)
Observations	2650	2650	2650	2650	2650	2650
Control mean	0.06	0.24	3.03	0.03	0.14	0.97
Panel B: Household Head (man)						
Pooled Spillover	0.018 (0.019)	0.132 (0.160)	4.925 (4.422)	0.015 (0.012)	0.135* (0.079)	1.441 (0.888)
Observations	2095	2095	2095	2095	2095	2095
Control mean	0.10	0.68	11.97	0.03	0.13	1.35

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A8: Decomposition of spillovers on household welfare

	Consumption			Food Security			(7) Composite Z-Score Index
	(1) Total Daily Consumption (FCFA, ad. equiv.)	(2) Daily Food Consumption (FCFA, ad. equiv.)	(3) Daily Non-Food Consumption (FCFA, ad. equiv.)	(4) Food Security (reversed FIES)	(5) Dietary Diversity Score (HDDS)	(6) Food Consumption Score (FCS)	
CT Spillover	45.358** (20.522)	34.181** (14.632)	10.182 (9.877)	-0.016 (0.232)	0.134 (0.088)	3.355* (1.862)	0.188** (0.084)
Observations	1488	1488	1503	1503	1503	1503	1503
Control mean	394.38	299.70	94.69	2.09	6.43	34.36	0.00
Non-CT Spillover	21.118 (20.989)	14.022 (17.129)	12.203 (8.718)	-0.102 (0.251)	0.184* (0.096)	4.219** (1.895)	0.162* (0.084)
Observations	1115	1115	1147	1147	1147	1147	1147
Control mean	360.74	288.73	72.14	1.72	6.19	31.21	-0.25

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. All indices are standardized with respect to the control group in that survey round. Components in columns (2) to (6) are used to construct the Composite Z-Score Index (7).

Table A9: Decomposition of spillovers on standardized welfare indices

	Consumption		Food Security Indicators			
	(1) Daily Food Consumption Z-Index	(2) Daily Non-Food Consumption Z-Index	(3) Food Security (reversed FIES) Z-Index	(4) Consumption Score (FCS) Z-Index	(5) Dietary Diversity Score (HDDS) Z-Index	(6) Composite Z-Score Index
CT Spillover	0.146** (0.063)	0.099 (0.096)	-0.007 (0.097)	0.184* (0.095)	0.109 (0.072)	0.188** (0.084)
Observations	1488	1503	1503	1503	1503	1503
Control mean	0.00	0.00	0.00	0.00	0.00	0.00
Non-CT Spillover	0.060 (0.073)	0.118 (0.084)	-0.043 (0.105)	0.232** (0.096)	0.150* (0.079)	0.162* (0.084)
Observations	1115	1147	1147	1147	1147	1147
Control mean	-0.05	-0.22	-0.16	-0.17	-0.19	-0.25

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. All indices are standardized with respect to the control group in that survey round. Components in columns (2) to (6) are used to construct the Composite Z-Score Index (7).

Table A10: Food Consumption Components

	(1)	(2)	(3)
	Daily Self-Produced Food Consumption (FCFA, ad. equiv.)	Daily Purchased Food Consumption (FCFA, ad. equiv.)	Daily Gifted Food Consumption (FCFA, ad. equiv.)
Treatment	8.901* (4.727)	13.424 (13.606)	15.541 (11.555)
Observations	1745	1745	1745
Control mean	37.79	229.80	32.12
Pooled Spillover	6.488 (4.827)	1.321 (18.239)	21.514 (13.164)
Observations	2606	2606	2606
Control mean	35.69	227.86	31.56
CT Spillover	5.461 (5.514)	3.824 (18.784)	26.915* (14.986)
Observations	1488	1488	1488
Control mean	37.79	229.80	32.12
Non-CT Spillover	7.897 (5.746)	-1.222 (20.502)	12.911 (12.430)
Observations	1118	1118	1118
Control mean	32.29	224.71	30.66

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** p < 0.01, ** p < 0.05, * p < 0.1.

Table A11: Decomposition of spillovers impacts on agriculture

	(1) Works in Agriculture (0,1)	(2) Area of own Plots cultivated (ha)	(3) Work Days on Own Plots	(4) Work Days on other Household Plots	(5) Work Days from other Household Member on Own Plots	(6) Harvest Value (rainy season, 1000 FCFA)
Panel A: Eligible Individual (woman)						
CT Spillover	0.031 (0.033)	-0.143 (0.560)	-4.868 (3.320)	-6.129** (2.898)	-8.398 (5.407)	1.381 (3.006)
Observations	1503	1503	1503	1503	1503	1463
Control mean	0.73	1.49	26.95	30.38	33.40	20.28
Non-CT Spillover	-0.004 (0.041)	-0.501 (0.304)	-8.068*** (2.703)	-0.553 (2.687)	-12.527** (5.938)	0.465 (3.151)
Observations	1147	1147	1147	1147	1147	1107
Control mean	0.66	1.30	27.52	19.44	38.83	20.21
Panel B: Household Head						
CT Spillover	-0.052 (0.034)	-0.311 (0.238)	-8.457** (3.779)	0.301 (0.724)	-32.929*** (9.087)	8.236 (8.228)
Observations	1293	1293	1293	1293	1293	1257
Control mean	0.72	2.87	63.97	1.66	96.81	87.05
Non-CT Spillover	0.034 (0.035)	-0.583 (0.396)	-1.599 (4.443)	-0.514 (0.888)	-10.862 (12.615)	26.640*** (8.124)
Observations	802	802	802	802	802	771
Control mean	0.67	2.81	49.31	1.91	105.16	65.12

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A12: Decomposition of spillovers impacts on off-farm businesses

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Works in Non-Ag Business (0,1)	No. of Non-Ag Businesses	Days in Non-Ag Business (monthly)	Business Revenues (yearly, 1000 FCFA)	Business Profits (yearly, 1000 FCFA)	No. of Months Business in Operation	Business Assets (1000 FCFA)	Business Closure (0,1)	Bought Inputs from Regional Market
Panel A: Eligible Individual (woman)									
CT Spillover	-0.011 (0.048)	0.047 (0.068)	2.815*** (0.948)	35.392* (20.148)	12.451* (7.152)	0.660 (0.556)	0.898 (0.827)	-0.025 (0.023)	0.027 (0.036)
Observations	1503	1503	1503	1503	1503	1503	1503	1503	1503
Control mean	0.60	0.94	7.05	113.07	40.15	6.04	4.59	0.14	0.17
Non-CT Spillover	0.038 (0.046)	0.098 (0.072)	1.832** (0.825)	54.184*** (14.854)	15.320*** (5.331)	1.390*** (0.508)	0.797 (0.731)	-0.036 (0.025)	0.045 (0.031)
Observations	1147	1147	1147	1147	1147	1147	1147	1147	1147
Control mean	0.48	0.72	5.66	73.12	26.75	4.47	3.72	0.14	0.13
Panel B: Household Head									
CT Spillover	0.025 (0.040)	-0.015 (0.041)	0.330 (0.464)	9.602 (13.107)	3.237 (4.719)	0.063 (0.323)	-34.040 (704.788)	0.001 (0.006)	0.039** (0.019)
Observations	1293	1293	1293	1293	1293	1293	1293	1293	1293
Control mean	0.32	0.23	2.15	48.69	18.36	1.80	2081.44	0.01	0.05
Non-CT Spillover	0.064* (0.038)	-0.026 (0.041)	0.838* (0.490)	16.353 (15.105)	5.656 (5.846)	0.193 (0.378)	667.431 (586.075)	-0.015** (0.007)	0.027 (0.019)
Observations	802	802	802	802	802	802	802	802	802
Control mean	0.24	0.19	1.78	36.00	15.71	1.49	1414.43	0.02	0.04

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** p < 0.01, ** p < 0.05, * p < 0.1.

Table A13: Decomposition of spillovers on livestock and savings

	Livestock				Savings	
	(1) Works in Livestock (0,1)	(2) Days Spent Raising Livestock (monthly)	(3) Livestock Sale Revenue (1000 FCFA)	(4) Livestock Count (TLU)	(5) Member of Savings Group (0,1)	(6) Total Savings (yearly, 1000 FCFA)
Panel A: Eligible Individual (woman)						
CT Spillover	0.004 (0.046)	2.061** (1.009)	0.194 (1.068)	-0.039 (0.049)	0.073* (0.040)	2.522 (1.827)
Observations	1503	1503	1503	1503	1503	1503
Control mean	0.52	5.42	3.99	0.20	0.37	3.53
Non-CT Spillover	0.082* (0.043)	1.019 (0.741)	1.594 (1.212)	0.050 (0.062)	0.136*** (0.036)	4.635*** (1.195)
Observations	1147	1147	1147	1147	1147	1147
Control mean	0.37	4.79	3.70	0.19	0.19	2.65
Panel B: Household Head						
CT Spillover	-0.004 (0.038)	-0.315 (0.840)	-9.047*** (2.965)	0.036 (0.064)		
Observations	1293	1293	1293	1293		
Control mean	0.52	10.97	17.39	0.30		
Non-CT Spillover	0.093** (0.043)	2.596*** (0.967)	-0.854 (4.236)	0.166 (0.100)		
Observations	802	802	802	802		
Control mean	0.35	6.03	13.16	0.26		

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$. TLU represents Tropical Livestock Units.

Table A14: Control over household resources index components

	(1) Controls HH Resources Index	(2) Daily Spending Influence (1-3)	(3) Large Purchases Influence (1-3)	(4) Family Planning Influence (1-3)	(5) Own Healthcare Influence (1-3)	(6) Partner's Earnings Influence (1-3)	(7) Child Education Influence (1-3)	(8) Daily Spending Unilateral Power (1-3)	(9) Large Purchases Unilateral power (1-3)	(10) Family Planning Unilateral power (1-3)	(11) Own Healthcare Unilateral power (1-3)
Treatment	0.115* (0.066)	0.060 (0.043)	0.067 (0.050)	0.075 (0.065)	0.123*** (0.039)	0.106* (0.055)	0.140*** (0.047)	-0.033 (0.038)	-0.006 (0.046)	0.055 (0.060)	0.005 (0.041)
Observations	1740	1702	1704	1559	1708	1534	1635	1727	1729	1578	1737
Control mean	0.00	2.44	2.40	2.09	2.58	1.84	2.46	2.36	2.29	1.93	2.52
Pooled Spillover	0.115** (0.051)	0.103*** (0.033)	0.082** (0.038)	0.092* (0.054)	0.115*** (0.032)	0.075 (0.049)	0.130*** (0.034)	0.039 (0.034)	0.017 (0.039)	0.039 (0.050)	0.002 (0.038)
Observations	2587	2502	2498	2114	2525	2131	2371	2549	2547	2150	2579
Control mean	0.04	2.45	2.41	2.10	2.59	1.83	2.46	2.37	2.32	1.95	2.54
CT Spillover	0.105 (0.070)	0.084** (0.038)	0.069 (0.050)	0.075 (0.063)	0.114*** (0.037)	0.069 (0.062)	0.109*** (0.041)	0.022 (0.040)	0.017 (0.049)	0.047 (0.063)	0.002 (0.047)
Observations	1483	1453	1450	1342	1448	1309	1407	1478	1477	1365	1481
Control mean	0.00	2.44	2.40	2.09	2.58	1.84	2.46	2.36	2.29	1.93	2.52
Non-CT Spillover	0.123** (0.057)	0.133*** (0.040)	0.101** (0.040)	0.129** (0.057)	0.116*** (0.038)	0.086 (0.055)	0.168*** (0.041)	0.065 (0.043)	0.008 (0.043)	0.011 (0.056)	-0.003 (0.044)
Observations	1104	1049	1048	772	1077	822	964	1071	1070	785	1098
Control mean	0.11	2.47	2.43	2.11	2.62	1.82	2.47	2.38	2.36	2.01	2.57

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A15: Intra-household dynamics index components

	(1) Intra-Household Dynamics Index	(2) Partner Dynamics Index	(3) Disagrees with Partner (1-4)	(4) Trusts Partner (1-4)	(5) Partner Inclusiveness (1-4)	(6) Household Dynamics Index	(7) Household Allows Family Visits (0, 1)	(8) Household Tensions Infrequent (1-4)	(9) Household Inclusiveness (1-4)
Treatment	0.145 (0.088)	0.060 (0.071)	0.013 (0.047)	0.065 (0.054)	0.053 (0.059)	0.149 (0.093)	0.023 (0.017)	0.077 (0.058)	0.073 (0.069)
Observations	1766	1580	1551	1555	1566	1766	1766	1766	1766
Control mean	-0.07	-0.00	3.07	3.24	3.48	-0.08	0.90	3.49	2.75
Pooled Spillover	0.083 (0.084)	0.001 (0.075)	-0.031 (0.048)	0.049 (0.055)	0.010 (0.054)	0.101 (0.086)	0.023* (0.012)	0.021 (0.058)	0.063 (0.069)
Observations	2650	2249	2186	2192	2226	2650	2650	2650	2650
Control mean	-0.04	-0.00	3.07	3.23	3.49	-0.05	0.91	3.50	2.76
CT Spillover	0.088 (0.093)	0.012 (0.077)	-0.044 (0.055)	0.039 (0.057)	0.035 (0.059)	0.097 (0.100)	0.011 (0.016)	0.010 (0.064)	0.104 (0.078)
Observations	1503	1368	1341	1344	1353	1503	1503	1503	1503
Control mean	-0.07	-0.00	3.07	3.24	3.48	-0.08	0.90	3.49	2.75
Non-CT Spillover	0.078 (0.091)	-0.012 (0.109)	0.000 (0.071)	0.076 (0.075)	-0.036 (0.075)	0.111 (0.082)	0.042*** (0.013)	0.041 (0.059)	-0.003 (0.071)
Observations	1147	881	845	848	873	1147	1147	1147	1147
Control mean	0.00	-0.01	3.08	3.23	3.51	0.01	0.93	3.52	2.76

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** p < 0.01, ** p < 0.05, * p < 0.1.

Table A16: Financial support index components

	(1) Financial Support Index	(2) Able to raise funds in case of shocks (1-4)	(3) No. of Financial Supporters (Siblings)	(4) No. of Financial Supporters (Other Family Members)	(5) No. of Financial Supporters (Friends)	(6) No. of Financial Supporters (Others)	(7) Village Financial Support (1-4)
Treatment	0.256*** (0.064)	0.160*** (0.060)	2.855 (23.838)	12.889 (12.915)	4.738 (5.009)	12.089 (11.154)	0.133*** (0.047)
Observations	1766	1766	1766	1766	1766	1766	1766
Control mean	-0.04	1.60	39.06	0.43	2.70	0.19	2.72
Pooled Spillover	0.199*** (0.071)	0.125** (0.058)	13.244 (22.018)	3.489 (9.961)	7.629 (5.625)	10.042 (9.629)	0.102* (0.052)
Observations	2650	2650	2650	2650	2650	2650	2650
Control mean	-0.08	1.55	34.10	7.74	1.78	0.18	2.72
CT Spillover	0.218** (0.083)	0.132* (0.068)	21.551 (32.154)	3.431 (3.227)	6.430 (7.958)	4.969 (4.851)	0.116** (0.051)
Observations	1503	1503	1503	1503	1503	1503	1503
Control mean	-0.04	1.60	39.06	0.43	2.70	0.19	2.72
Non-CT Spillover	0.170** (0.073)	0.114* (0.063)	-0.468 (19.107)	3.748 (26.655)	9.453 (7.504)	18.696 (17.660)	0.081 (0.064)
Observations	1147	1147	1147	1147	1147	1147	1147
Control mean	-0.14	1.47	26.20	19.39	0.32	0.17	2.73

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A17: Social support index components

	(1) Social Support Index	(2) No. of Role Models	(3) No. of people to ask advice on activities	(4) No. of people who seek advice on activities	(5) No. of people to ask advice on disputes	(6) No. of people who seek advice on disputes	(7) No. of Market Intermediaries
Treatment	0.083 (0.067)	0.872** (0.351)	0.174 (0.121)	0.128 (0.125)	0.096 (0.111)	-0.055 (0.119)	0.011 (0.086)
Observations	1766	1766	1766	1766	1766	1766	1766
Control mean	-0.05	2.75	1.94	1.23	1.70	1.23	0.85
Pooled Spillover	0.061 (0.073)	0.353 (0.329)	0.163 (0.138)	0.016 (0.134)	0.059 (0.128)	0.019 (0.137)	0.074 (0.091)
Observations	2650	2650	2650	2650	2650	2650	2650
Control mean	-0.01	3.02	1.87	1.40	1.72	1.40	0.83
CT Spillover	0.113 (0.078)	0.755** (0.311)	0.196 (0.155)	0.123 (0.121)	0.165 (0.148)	0.041 (0.144)	0.075 (0.103)
Observations	1503	1503	1503	1503	1503	1503	1503
Control mean	-0.05	2.75	1.94	1.23	1.70	1.23	0.85
Non-CT Spillover	-0.022 (0.088)	-0.267 (0.527)	0.102 (0.153)	-0.158 (0.207)	-0.114 (0.144)	-0.003 (0.196)	0.070 (0.111)
Observations	1147	1147	1147	1147	1147	1147	1147
Control mean	0.06	3.44	1.77	1.66	1.75	1.67	0.79

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A18: Social standing index components

	(1) Social Standing Index	(2) Good Person (0,1)	(3) Respected Person (0,1)	(4) Opinion Followed (0,1)	(5) Social Position (0,1)
Treatment	0.171* (0.099)	0.192 (0.193)	0.329* (0.166)	0.366** (0.154)	0.104 (0.154)
Observations	1766	1762	1766	1766	1766
Control mean	-0.07	6.01	5.30	4.95	4.55
Pooled Spillover	0.146 (0.103)	0.240 (0.206)	0.257 (0.168)	0.225 (0.157)	0.159 (0.158)
Observations	2650	2635	2650	2650	2650
Control mean	-0.05	5.96	5.41	5.12	4.46
CT Spillover	0.187* (0.107)	0.212 (0.208)	0.352** (0.173)	0.334* (0.170)	0.229 (0.177)
Observations	1503	1495	1503	1503	1503
Control mean	-0.07	6.01	5.30	4.95	4.55
Non-CT Spillover	0.074 (0.113)	0.287 (0.227)	0.103 (0.194)	0.052 (0.183)	-0.003 (0.174)
Observations	1147	1140	1147	1147	1147
Control mean	-0.02	5.89	5.58	5.38	4.31

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A19: Collective action index components

	(1) Collective Action Index	(2) No. of Associations where Member	(3) No. of Association Responsibilities	(4) Community Project Donations (FCFA)	(5) No. of Volunteering Days	(6) Works with Community (1-4)
Treatment	0.226*** (0.074)	0.385*** (0.098)	0.080*** (0.027)	6.756 (34.838)	0.194 (0.209)	0.057 (0.034)
Observations	1766	1766	1766	1766	1766	1766
Control mean	0.02	0.58	0.08	213.57	1.07	2.96
Pooled Spillover	0.120* (0.066)	0.162** (0.075)	0.049** (0.021)	11.020 (29.622)	0.002 (0.166)	0.055 (0.035)
Observations	2650	2650	2650	2650	2650	2650
Control mean	-0.03	0.52	0.09	180.38	1.00	2.93
CT Spillover	0.079 (0.076)	0.130 (0.084)	0.051* (0.028)	-19.155 (37.427)	-0.008 (0.190)	0.029 (0.037)
Observations	1503	1503	1503	1503	1503	1503
Control mean	0.02	0.58	0.08	213.57	1.07	2.96
Non-CT Spillover	0.183** (0.078)	0.208** (0.095)	0.045 (0.029)	58.473* (33.016)	0.016 (0.193)	0.094** (0.046)
Observations	1147	1147	1147	1147	1147	1147
Control mean	-0.12	0.42	0.10	127.50	0.89	2.88

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A20: Social cohesion and community closeness index components

	(1) Social Cohesion and Community Closeness Index	(2) Trusts Village Women (1-4)	(3) No. of Trusted Villagers (1-10)	(4) Don't Have Enemies (1-4)	(5) Community Tensions Infrequent (1-4)	(6) Community Inclusiveness (1-4)
Treatment	-0.036 (0.085)	0.048 (0.048)	-0.149 (0.178)	-0.143** (0.061)	-0.018 (0.046)	0.059 (0.051)
Observations	1766	1766	1766	1766	1766	1766
Control mean	-0.03	2.90	4.97	3.25	3.29	2.33
Pooled Spillover	0.024 (0.085)	0.072 (0.044)	0.025 (0.174)	-0.051 (0.055)	-0.058 (0.054)	0.047 (0.052)
Observations	2650	2650	2650	2650	2650	2650
Control mean	-0.02	2.89	4.93	3.26	3.30	2.35
CT Spillover	0.052 (0.086)	0.084* (0.049)	-0.005 (0.179)	-0.048 (0.061)	-0.041 (0.061)	0.080 (0.059)
Observations	1503	1503	1503	1503	1503	1503
Control mean	-0.03	2.90	4.97	3.25	3.29	2.33
Non-CT Spillover	-0.019 (0.095)	0.055 (0.047)	0.068 (0.196)	-0.054 (0.068)	-0.084 (0.062)	-0.006 (0.056)
Observations	1147	1147	1147	1147	1147	1147
Control mean	-0.01	2.86	4.88	3.28	3.33	2.38

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A21: Mental health index components

	(1) Mental Health Index	(2) Less Depression (0-70)	(3) Less Disability (0-28)	(4) Life Satisfaction (1-10)	(5) Inner Peace (1-10)	(6) Self-Reported Mental Health
Treatment	0.016 (0.124)	-0.057 (1.232)	-0.254 (0.540)	0.133 (0.169)	0.228 (0.225)	-0.103 (0.104)
Observations	1766	1766	1766	1766	1766	1766
Control mean	0.10	48.44	22.30	4.93	5.77	0.11
Pooled Spillover	0.004 (0.115)	0.082 (1.051)	-0.058 (0.502)	0.076 (0.171)	0.097 (0.217)	-0.090 (0.100)
Observations	2650	2650	2650	2650	2650	2650
Control mean	0.01	47.57	21.91	4.80	5.77	0.03
CT Spillover	0.026 (0.120)	0.203 (1.124)	-0.048 (0.527)	0.138 (0.187)	0.146 (0.228)	-0.100 (0.105)
Observations	1503	1503	1503	1503	1503	1503
Control mean	0.10	48.44	22.30	4.93	5.77	0.11
Non-CT Spillover	-0.052 (0.123)	-0.434 (1.119)	-0.134 (0.547)	-0.033 (0.177)	0.032 (0.232)	-0.072 (0.105)
Observations	1147	1147	1147	1147	1147	1147
Control mean	-0.12	46.19	21.30	4.61	5.77	-0.11

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** p < 0.01, ** p < 0.05, * p < 0.1.

Table A22: Self-efficacy index components

	(1) Self Efficacy Index	(2) Put effort to solve problems (1-4)	(3) Stay on your plan and achieve goals (1-4)	(4) Cope with contingencies (1-4)	(5) Adapt and handle difficulties (1-4)	(6) Find multiple solutions (1-4)	(7) Find usually solutions (1-4)	(8) Do as well as others (1-4)
Treatment	0.050 (0.058)	-0.013 (0.033)	0.005 (0.033)	0.020 (0.035)	0.041 (0.036)	0.016 (0.037)	0.033 (0.035)	0.068* (0.040)
Observations	1766	1766	1766	1766	1766	1766	1766	1766
Control mean	0.07	3.06	3.03	2.92	3.01	2.93	2.96	2.96
Pooled Spillover	0.002 (0.065)	-0.028 (0.035)	-0.006 (0.037)	-0.036 (0.039)	0.022 (0.036)	0.002 (0.035)	0.010 (0.036)	0.039 (0.040)
Observations	2650	2650	2650	2650	2650	2650	2650	2650
Control mean	0.02	3.01	2.98	2.90	3.01	2.92	2.95	2.92
CT Spillover	-0.038 (0.065)	-0.070* (0.038)	-0.043 (0.043)	-0.061 (0.042)	0.008 (0.035)	-0.003 (0.038)	0.013 (0.039)	0.031 (0.040)
Observations	1503	1503	1503	1503	1503	1503	1503	1503
Control mean	0.07	3.06	3.03	2.92	3.01	2.93	2.96	2.96
Non-CT Spillover	0.066 (0.091)	0.041 (0.049)	0.051 (0.051)	0.001 (0.057)	0.042 (0.049)	0.018 (0.048)	0.003 (0.051)	0.054 (0.055)
Observations	1147	1147	1147	1147	1147	1147	1147	1147
Control mean	-0.07	2.94	2.91	2.86	3.02	2.90	2.94	2.86

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A23: Future expectations index components

	(1) Future Expectations Index	(2) Expected Social Status (0-10)	(3) Expected Life Satisfaction (1-10)
Treatment	0.056 (0.088)	0.055 (0.066)	0.074 (0.067)
Observations	1373	1263	1249
Control mean	0.09	2.60	2.63
Pooled Spillover	0.110 (0.079)	0.092 (0.066)	0.084 (0.056)
Observations	1914	1748	1734
Control mean	-0.04	2.51	2.55
CT Spillover	0.072 (0.086)	0.058 (0.068)	0.049 (0.066)
Observations	1141	1046	1028
Control mean	0.09	2.60	2.63
Non-CT Spillover	0.212** (0.092)	0.168** (0.083)	0.170** (0.065)
Observations	773	702	706
Control mean	-0.26	2.33	2.41

Notes: Results presented are OLS estimates that include controls for region fixed effects and, where possible, baseline outcomes. Robust standard errors are shown in parentheses, clustered at the village level. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.