Gender and the Family

Esther Duflo

14.771

Is the household efficient? Take 2–consumption

- Lack of production efficiency is bad news for efficiency.
- On the consumption side, empirical implication of full commitment should be that, conditional on total household demand, the demand for good k should be invariant across states.
- Alternatively: the shocks should affect the consumption of each individual good only to the extent that they affect *total* consumption.
- Intuition: Husband and wife should insure each other completely. So her consumption of favorite item should not drop because she got a bad draw; of course, total consumption will change and hence basket consumed will change due to income effect, but conditioning on total expenditure we should not see an effect of the shares.

Experimental version: Robinson, 2012

- The experiment followed 142 married couples for 8 weeks in Kenya
- Every week, each individual had a 50 percent chance of receiving a 150 Kenyan shilling (KS) (US \$ 2.14) income shock, equivalent to roughly 1.5 days' income for men and 1 week's income for women
- Information about the shocks was public knowledge: both spouses were told what their partner received.
- Weekly data on consumption, income and income shocks and labor supply from each member

Predictions and Results

- shocks are, random, transitory, and idiosyncratic : Should not affect bargaining power
- Public: no moral hazard or anything....
- Shocks are spent privately

 Table
- And saved privately

 Table

Non experimental version: Duflo Udry

- Setting: Cote D'Ivoire
- Women and Men (tend to) grow different crop, on their different farm.
- A special crop is Yam, which is to be used by men for household public goods.
- We can compute proxies for male and female income (and yam income) by aggregating crop income across different crops.

Duflo Udry

We first predict y_{si2} − y_{si1}, for s in {m, f, y} as a function of rainfall and form predicted value of those difference Ây_{si} = y_{si2} − y_{si1}, and we run

$$\Delta(\log(c_i)) = \alpha + \beta \hat{\Delta} y_{fi} + \gamma \hat{\Delta} y_{mi} + \delta \hat{\Delta} y_{yi} + \epsilon_i$$

in a Pareto-efficient model, why would the coefficient $\beta,\,\gamma$ and δ differ?

- What test of Pareto-efficiency does this suggest?
- Consumption of particular goods should change only to the extent that total expenditure changes.
- Two steps:
 - Run the same regression with total expenditures are the dependent variable

$$\Delta(\log(x_i)) = \pi_1 + \pi_2 \hat{\Delta} y_{fi} + \pi_3 \hat{\Delta} y_{mi} + \pi_4 \hat{\Delta} y_{yi} + \epsilon_i$$

2 calculate the ratios: $\frac{\beta}{\pi_1}$, $\frac{\gamma}{\pi_2}$, $\frac{\delta}{\pi_3}$. They should all be equal. 3 They are not Results

Taking stock

- Consumption risk does not appear to be efficiently shared
- Especially idiosyncratic production shocks
- The standard EHM is not doing very well.
- Why not?

"Modern" family and gender economics

- "Modern" family and gender economics goes beyond testing household models and tries to understand the root of different gender preferences and the actual way in which households bargain (or not)
- No replacement model has really emerged, but lots of interesting things.

Information flow in the household

- Perhaps the premise that households member would share information efficiently is not correct.
- Rao, Ridley, Schilbach (2021): Husband and Wife do not share information that they have. Especially, husband do not pay attention to what wife may know.

Social learning experiments with 400 couples and 500 strangers in Chennai

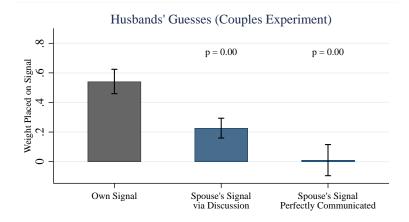
- Do people respond similarly to info uncovered by themselves and by their spouse?
- **2** Does this vary by gender?
- Is inefficient learning due to a lack of communication or incorrect weighting of info?
- 4 Are strangers working in teams similar to spouses?

Simple, incentivized task: draw signals and guess share of red balls in an urn

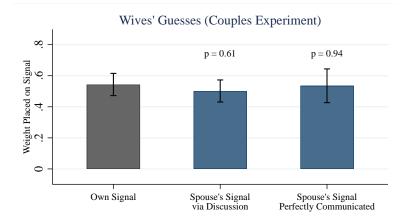
• Experimental variations

- (1) Draw all signals privately yourself
- (2) Some signals drawn by your spouse can learn via discussion
- (3) Some signals drawn by your spouse directly inform you of spouse's signals
- Key outcome of interest: weight put on signals depending on who uncovered them
- Clear prediction for information-pooling: treat own and spouse's info equally

Husbands heavily discount wife's info (even if perfectly communicated)



Wives treat own and husband's info the same



What happens with strangers?

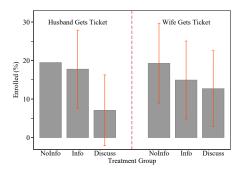
- People discount stranger information
- This time both men and women do!

Manipulation of information

Ashraf Field and Lee

- Women are proposed a voucher to jump the queue to get an injectable contraceptive.
- Tow treatments: individual or couple.
- The individual one is much more likely to lead to contraceptive use than a couple intervention
 • Ashraf et al, 2014
- Not necessarily a generalizable results. Lowe and McKelway (2018): Men do not need to manipulate information in India, when information on a job opportunity is given to them in private it makes no difference when it is given to them with knowledge of their spouse. Forcing people to negociate together recudes take up of the job opportunity [two unexpected results!]

Lowe and McKelway (2018)



Matt Lowe and Madeline McKelway. All rights reserved. This content is excluded from our Creative Commons license. For more
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Female Labor supply and empowerment

- In most developed country settings, female labor supply is considered as a marker for low bargaining power (leisure=private good)
- But in many developing country settings (perhaps particularly in South Asia) it seems women want to work and their husband do not want them to work (Fletcher, Pande, Moore 2019)
- "Acting wife" : in a very different context (women attending MBA at top B school), unmarried women were willing to take costly steps to not demonstrate professional ambition in front of men (Bursztyn, Fujiwara, Pallais, 2017)
- This is consistent with limited commitment EHM: women want to work to increase their bargaining power, and men don't want that, either to protect their own bargaining power, or because they have direct disutility to see their woman work
- There could also be a social norm against female working.

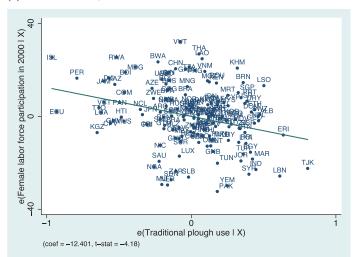
Culture and Social norms

Alesina, Guiliano and Nunn

- Esther Boserup's hypothesis: in regions where the plow was dominant, males were more involved in the working of the field, and women less valued
- Hypothesis: this persisted over time.
- They use FAO data base on crop suitability to build an index of where the plow was more likely to be used.
- And correlated with today's social norms.

Culture and Social norms ORIGINS OF GENDER ROLES 497

(a) Traditional plough use and current FLFP



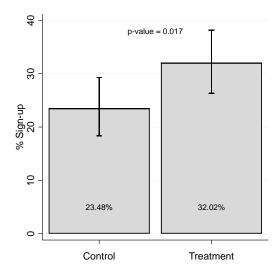
 Alberto Alesina, Paola Giuliano, and Nathan Nunn. All rights reserved. This content is excluded from our Creative Commons license. For more information, see https://ocw.mit.edu/help/faq-fair-use/

Traditional plaugh use and aurrent female firm aurership

Burztein, Gonzalez and Yanagizawa-Drott

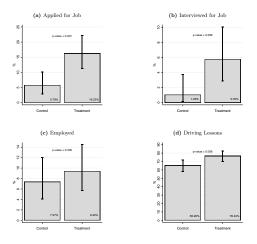
- Experiment with 500 young men in Saudi Arabia
- 87% agree with the statement "In my opinion, women should be allowed to work outside of the home"
- But when asked how many other men have this opinion, three quarter under estimate the true number
- The experiment gives half of them the right number.
- Then they got the choice between \$5 Amazon certificate and opportunity to sign their wife for a platform on job.
- And follow up calls for longer term outcomes.

Figure 4: Job-Matching Service Sign-up (*Main Experiment*)



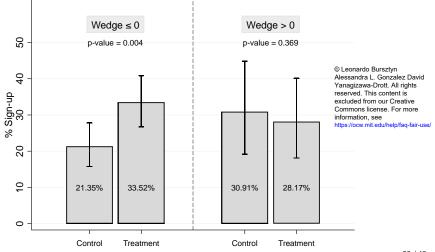
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Figure 5: Long-term Labor Supply Outcomes (Follow-up)



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Figure 6: Job-Matching Service Sign-up–Heterogeneity by Wedge (Main Experiment)



Can Norms be changed by teaching?

Dhar, Jain, Jayachandran "Reshaping adolescents' gender attitude"

- This mis-perception suggests that perhaps norms are not a fatality
- A litterature shows that relatively superficial interventions change norms such as whether females can make good leaders (Beaman et al, 2013), fertility (La Ferrara, soap opera in Brazil).
- Work in collaboration with a local NGO in North India (Breakthrough) to try to affect adolescent view of women and girls
- 45 minutes classroom discussions on various topic related to gender once every 3 weeks for 2 school years
- RCT in 314 schools in Haryana (a state in India with very bad gender culture), 14,000 students
- Find 0.25 SD improvement on self-reported gender norms at end of intervention, and some effects on behavior (especially among boys).

Teaching social norms

Table 2: Average effects of the gender attitude-change intervention

	Gender Attitudes Index (1)	Aspirations Index (2)	Girls' Behavior Index (3)	Boys' Behavior Index (4)	Behavior Index (5)
Treated	0.250^{***}	0.052***	0.199^{***}	0.461^{***}	0.323^{***}
	[0.019]	[0.019]	[0.031]	[0.031]	[0.022]
Basic controls	Yes	Yes	Yes	Yes	Yes
Extended controls	No	No	No	No	No
Observations	13988	13988	7787	6201	13988

Getting women to participate in the labor force

- Given the disagreement between men and women on labor supply one could:
 - 1 Change husband's opinions
 - 2 Change wife's ability to advocate for themselves

McKelway, 2021 "Women's employment in India: Intra-household and intra personal constraints

- Job market paper: experiment she conducted on her own on a shoestring...well worth reading!!
- Cross randomized two interventions with large carpet manufacturer in India who was interested in recruiting more women.
- Setting: Uttar Pradesh, poor area with backwards gender norms and very low FLP
 - Psychosocial intervention (Generalized Self Efficacy, Bandura 1977)-training over several weeks
 - Promotion of the job to the husband and in laws (6 minutes video)

GSE training affect GSE, not promo

	(1)	(2) % GSE Question	(3) ons Agreed With	(4)
	at 5 Weeks	at 6 Weeks	at 5 Months	at 13 Month
Panel A: Unsaturated Specificatio	n			
γ ₁ : GSE Treat	4.959	3.230	3.123	3.890
	(2.013)	(1.796)	(1.681)	(1.964)
	[0.015]	[0.074]	[0.065]	[0.049]
γ ₂ : Promo Treat	1.548	0.121	0.337	0.032
	(2.135)	(1.938)	(1.794)	(2.211)
	[0.469]	[0.950]	[0.851]	0.988
P-Value for Test that:				
$\gamma_1 = \gamma_2$	0.254	0.228	0.240	0.197
Strata FE	Yes	Yes	Yes	Yes
PDS Lasso X	Yes	Yes	Yes	Yes
β ₁ : GSE Treat & Promo Control	2.662	5.607 (2.758)	3.616 (2.505)	3.286 (2.741)
β ₁ : GSE Treat & Promo Control	2.662 (3.022) [0.379]	5.607 (2.758) [0.043]	3.616 (2.505) [0.150]	3.286 (2.741) [0.232]
β ₁ : GSE Treat & Promo Control β ₂ : GSE Control & Promo Treat	(3.022)	(2.758)	(2.505)	(2.741)
	(3.022) [0.379]	(2.758) [0.043]	(2.505) [0.150]	(2.741) [0.232]
	(3.022) [0.379] -1.130	(2.758) [0.043] 2.344	(2.505) [0.150] 0.625	(2.741) [0.232] -1.182
	(3.022) [0.379] -1.130 (2.977)	(2.758) [0.043] 2.344 (2.590)	(2.505) [0.150] 0.625 (2.513)	(2.741) [0.232] -1.182 (2.981)
β ₂ : GSE Control & Promo Treat	(3.022) [0.379] -1.130 (2.977) [0.705]	(2.758) [0.043] 2.344 (2.590) [0.366]	(2.505) [0.150] 0.625 (2.513) [0.804]	(2.741) [0.232] -1.182 (2.981) [0.692]
β ₂ : GSE Control & Promo Treat	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271
β ₂ : GSE Control & Promo Treat β ₃ : GSE Treat & Promo Treat P-Value for Test that:	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638 (2.825)	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231 (2.684)	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330 (2.597)	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271 (2.865)
β_2 : GSE Control & Promo Treat β_3 : GSE Treat & Promo Treat P-Value for Test that: $\beta_1 = \beta_2$	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638 (2.825) [0.019] 0.196	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231 (2.684) [0.229] 0.197	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330 (2.597) [0.201] 0.208	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271 (2.865) [0.255] 0.127
β_2 : GSE Control & Promo Treat β_3 : GSE Treat & Promo Treat P-Value for Test that: $\beta_1 = \beta_2$ $\beta_1 = \beta_2$	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638 (2.825) [0.019] 0.196 0.152	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231 (2.684) [0.229] 0.197 0.364	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330 (2.597) [0.201] 0.208 0.906	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271 (2.865) [0.255] 0.127 0.996
β_2 : GSE Control & Promo Treat β_3 : GSE Treat & Promo Treat P-Value for Test that: $\beta_1 = \beta_2$ $\beta_1 = \beta_3$ $\beta_2 = \beta_3$	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638 (2.825) [0.019] 0.196 0.152 0.004	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231 (2.684) [0.229] 0.197 0.364 0.716	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330 (2.597) [0.201] 0.208 0.906 0.276	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271 (2.865) [0.255] 0.127 0.996 0.131
β_2 : GSE Control & Promo Treat β_3 : GSE Treat & Promo Treat P-Value for Test that: $\beta_1 = \beta_2$ $\beta_2 = \beta_3$ Strata FE	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638 (2.825) [0.019] 0.196 0.152 0.004 Yes	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231 (2.684) [0.229] 0.197 0.364 0.716 Yes	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330 (2.597) [0.201] 0.208 0.906 0.276 Yes	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271 (2.865) [0.255] 0.127 0.996 0.131 Yes
β_2 : GSE Control & Promo Treat β_3 : GSE Treat & Promo Treat P-Value for Test that: $\beta_1 = \beta_2$ $\beta_1 = \beta_3$ $\beta_2 = \beta_3$	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638 (2.825) [0.019] 0.196 0.152 0.004	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231 (2.684) [0.229] 0.197 0.364 0.716	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330 (2.597) [0.201] 0.208 0.906 0.276	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271 (2.865) [0.255] 0.127 0.996 0.131
β_2 : GSE Control & Promo Treat β_3 : GSE Treat & Promo Treat P-Value for Test that: $\beta_1 = \beta_2$ $\beta_2 = \beta_3$ Strata FE	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638 (2.825) [0.019] 0.196 0.152 0.004 Yes	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231 (2.684) [0.229] 0.197 0.364 0.716 Yes	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330 (2.597) [0.201] 0.208 0.906 0.276 Yes	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271 (2.865) [0.255] 0.127 0.996 0.131 Yes
β_2 : GSE Control & Promo Treat β_3 : GSE Treat & Promo Treat P-Value for Test that: $\beta_1 = \beta_2$ $\beta_2 = \beta_3$ Strata FE	(3.022) [0.379] -1.130 (2.977) [0.705] 6.638 (2.825) [0.019] 0.196 0.152 0.004 Yes	(2.758) [0.043] 2.344 (2.590) [0.366] 3.231 (2.684) [0.229] 0.197 0.364 0.716 Yes	(2.505) [0.150] 0.625 (2.513) [0.804] 3.330 (2.597) [0.201] 0.208 0.906 0.276 Yes	(2.741) [0.232] -1.182 (2.981) [0.692] 3.271 (2.865) [0.255] 0.127 0.996 0.131 Yes

Table 3: Effects on Women's GSE

GSE and promo alone affect work off farm, but not combined

Table 4: Effects on Women's Employment	Table 4:	Effects on	Women's	Employment
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	(1) Participation i	(2) n Firm's Program	(3)	(4) orking off Own Farm (=	(5)
	The origination 1		Horning on Own Finan (-1)		
		Attended in			
	Signed Up $(=1)$	First 2 Months $(=1)$	at 6 Weeks	at 5 Months	at 13 Months
Panel A: Unsaturated Specification	n				
γ ₁ : GSE Treat	-0.008	-0.003	0.001	0.022	-0.006
74	(0.025)	(0.018)	(0.020)	(0.024)	(0.029)
	[0.739]	[0.866]	[0.963]	[0.365]	[0.847]
γ ₂ : Promo Treat	0.038	0.016	-0.002	0.018	-0.008
·	(0.028)	(0.020)	(0.022)	(0.027)	(0.032)
	[0.177]	[0.416]	[0.916]	[0.505]	[0.799]
P-Value for Test that:					
$\gamma_1 = \gamma_2$	0.240	0.496	0.919	0.921	0.952
Strata FE	Yes	Yes	Yes	Yes	Yes
PDS Lasso X	Yes	Yes	Yes	Yes	Yes
Panel B: Saturated Specification β_1 : GSE Treat & Promo Control	0.048	0.035	0.061	0.087	0.005
	(0.035)	(0.024)	(0.029)	(0.033)	(0.043)
	[0.169]	[0.152]	[0.039]	[0.009]	[0.905]
β ₂ : GSE Control & Promo Treat	0.096	0.055	0.061	0.076	-0.007
	(0.038)	(0.025)	(0.028)	(0.034)	(0.041)
	[0.012]	[0.032]	[0.030]	[0.027]	[0.863]
β ₃ : GSE Treat & Promo Treat	0.029	0.013	-0.003	0.038	-0.012
	(0.036)	(0.025)	(0.027)	(0.036)	(0.043)
	[0.412]	[0.605]	[0.912]	[0.301]	[0.779]
P-Value for Test that:					
			0.984	0.772	0.764
$\beta_1 = \beta_2$	0.218	0.479			
$\beta_{1} = \beta_{3}$	0.593	0.410	0.032	0.188	0.678
$\beta_1 = \beta_3$ $\beta_2 = \beta_3$	0.593 0.087	0.410 0.132	0.032 0.026	0.188 0.321	0.678 0.905
$\beta_1 = \beta_3$ $\beta_2 = \beta_3$ Strata FE	0.593 0.087 Yes	0.410 0.132 Yes	0.032 0.026 Yes	0.188 0.321 Yes	0.678 0.905 Yes
$\beta_1 = \beta_3$	0.593 0.087	0.410 0.132	0.032 0.026	0.188 0.321	0.678 0.905
$\beta_1 = \beta_3$ $\beta_2 = \beta_3$ Strata FE	0.593 0.087 Yes Yes	0.410 0.132 Yes	0.032 0.026 Yes Yes	0.188 0.321 Yes	0.678 0.905 Yes
$\beta_1 = \beta_3$ $\beta_2 = \beta_3$ Strata FE	0.593 0.087 Yes	0.410 0.132 Yes	0.032 0.026 Yes	0.188 0.321 Yes	0.678 0.905 Yes

Note: This table presents effects on women's employment. The entropy in rolling (1) is an indicator for signing up for the firm's program, and the entropy of the inclust of the entropy of the entrop

Does labor supply indeed increase bargaining power?

Field, Moore, Pande, Rigol, Schaner, 2019 "on her account.."

- Experiment in Madhya Pradesh
- Government gave women access to bank account to randomly selected GP
- In one treatment they linked NREGA (workfare) payment to it
- Can therefore look at the effect of an account, and the effect of having wages linked to an account
- In the short run this increased labor supply in the program but also outside the program (including in cash payment work)
- Effects are stronger among women who had never worked for NREGA at baseline (and whose husband generally were less likely to support women working): they interpret this as increase in bargaining power

	Aggregate Labor Supply Index		MGNREGS Labor Supply Sub-Index		Priv Labor Sub-l	Supply
	Short-Run	Long-Run	Short-Run	Long-Run	Short-Run	Long-Run
	(1)	(2)	(3)	(4)	(5)	(6)
Panel A: Full sample	0.165***	0.045	0.186***	0.021	0.166***	0.048
θ: Direct Deposit and Training	(0.042)	(0.048)	(0.071)	(0.080)	(0.050)	(0.062)
Accts Only Mean N	$0.000 \\ 2504$	-0.000 2464	-0.000 2504	$ \begin{array}{r} 0.000 \\ 2464 \end{array} $	$0.000 \\ 2504$	-0.000 2464
Panel B: Constrained Women	0.213***	0.193***	0.263**	0.069	0.226***	0.279***
θ : Direct Deposit and Training	(0.051)	(0.060)	(0.111)	(0.073)	(0.059)	(0.097)
Accts Only Mean	-0.122	-0.186	-0.049	-0.102	-0.163	-0.275
N	922	903	922	903	922	903
Panel C: Unconstrained Women	0.150***	-0.036	0.168**	-0.008	0.153**	-0.094
θ : Direct Deposit and Training	(0.052)	(0.057)	(0.071)	(0.102)	(0.071)	(0.059)
Accts Only Mean N	0.061 1519	$0.108 \\ 1501$	0.033 1519	0.067 1501	0.080 1519	$0.156 \\ 1501$
P-value: Panel B θ = Panel C θ	0.276	0.001***	0.343	0.398	0.352	0.000***

Table 3: Impact of Treatments on Women's Labour Supply

Notes: Robust standard errors clustered at the GP level in parentheses. All regressions include strata and district fixed effects. Additional covariates are selected using double post lasso. The set of potential controls includes individual and GP-level characteristics and their square. See Online Data Appendix for the complete list of potential controls. * $p \le 0.0$, ** $p \ge 0.05$, *** $p \ge 0.10$. The labor supply index is an average of the MGNREGS, private, and general labor sub-indices. All sub-index components are standardized with respect to the Accounts Only group. The MGNREGS

	Aggregate Empowerment Index		Purchase Index		Mobility in Past Year		Self-Reported Decision Making	
	Short-Run (1)	Long-Run (2)	Short-Run (3)	Long-Run (4)	Short-Run (5)	Long-Run (6)	Short-Run (7)	Long-Run (8)
Panel A: Full sample								
$\boldsymbol{\theta}:$ Direct Deposit and Training	(0.041) (0.032)	(0.032) (0.034)	(0.096^{*}) (0.053)	0.039 (0.063)	0.037 (0.036)	(0.053) (0.035)	-0.021 (0.053)	(0.019) (0.045)
Accts Only Mean N	$0.000 \\ 2504$	0.002 2453	$0.000 \\ 2504$	0.000 2453	-0.000 2504	$0.000 \\ 2464$	$0.000 \\ 2504$	-0.000 2464
Panel B: Constrained Women								
$\boldsymbol{\theta}:$ Direct Deposit and Training	0.100*** (0.037)	0.144^{***} (0.049)	0.239*** (0.067)	0.238*** (0.080)	0.023 (0.052)	(0.115^{**}) (0.056)	(0.041) (0.064)	0.062 (0.078)
Accts Only Mean N	-0.028 922	-0.111 897	-0.089 922	-0.218 897	0.054 922	-0.042 903	-0.050 922	-0.084 903
Panel C: Unconstrained Women								
$\boldsymbol{\theta}:$ Direct Deposit and Training	$\begin{array}{c} 0.026\\ (0.041) \end{array}$	-0.022 (0.036)	0.042 (0.065)	-0.059 (0.069)	0.060 (0.044)	-0.001 (0.040)	-0.030 (0.071)	-0.005 (0.056)
Accts Only Mean N	0.010 1519	$0.055 \\ 1496$	0.037 1519	$0.102 \\ 1496$	-0.031 1519	0.027 1501	0.025 1519	0.035 1501
P-value: Panel B θ = Panel C θ	0.145	0.002***	0.029**	0.002***	0.538	0.061*	0.430	0.487

Table 4: Impact of Treatments on Empowerment

Long run effect

• In the longer run norms themselves got affected. Actual norms

		Femal	e Reports		Male Reports			
	Actual Norms	Personal	Acceptance:	Acceptance:	Actual Norms	Personal	Acceptance:	Acceptance:
	Index	Preferences	Working Women	Husbands	Index	Preferences	Working Women	Husbands
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Panel A: Full sample								
$\theta :$ Direct Deposit and Training	0.110***	0.098 ^{**}	0.091	0.087	-0.011	-0.059	(0.015)	-0.024
	(0.040)	(0.044)	(0.061)	(0.060)	(0.043)	(0.070)	(0.051)	(0.057)
Accts Only Mean	-0.000	$0.000 \\ 2464$	0.000	-0.000	0.077	0.180	0.001	0.049
N	2464		2464	2464	2293	2293	2293	2293
Panel B: Constrained Women								
$\boldsymbol{\theta}:$ Direct Deposit and Training	0.215***	0.160 ^{**}	0.243***	0.210***	-0.036	(0.012)	-0.020	-0.099
	(0.051)	(0.069)	(0.073)	(0.077)	(0.082)	(0.109)	(0.083)	(0.103)
Accts Only Mean	-0.095	-0.068	-0.099	-0.117	0.066	0.091	0.045	0.062
N	903	903	903	903	837	837	837	837
Panel C: Unconstrained Women								
$\theta :$ Direct Deposit and Training	0.050	0.059	0.007	0.019	-0.001	-0.083	0.040	-0.007
	(0.054)	(0.059)	(0.079)	(0.073)	(0.043)	(0.079)	(0.063)	(0.057)
Accts Only Mean N	0.048 1501	$0.043 \\ 1501$	0.048 1501	$0.054 \\ 1501$	0.080 1403	0.218 1403	-0.024 1403	$ \begin{array}{r} 0.046 \\ 1403 \end{array} $
P-value: Panel B θ = Panel C θ	0.024**	0.269	0.017**	0.040**	0.688	0.427	0.564	0.409

Table 5: Impact of Treatments on Actual Norms

Note: Robust standard errors clustered at the GP level in parentheses. All regressions includes trata and district fixed effects. Additional order observations are selected using double post lasses. The set of potential controls includes land GP-level materiarities and their squares. See Online Data Appendix for the complete his of potential controls in of potential and their strate of GP-level materiarities and their squares. See Online Data Appendix for the complete his groups. The personal preference, arepenance of working worms, and acceptance of hashesin solv-indices (common 2-4). All solv-indice components are standardized with respect to the Account Outgoing group. The personal preferences index includes (if the respondent believes that worms can work, if prefere to have a simulation of the strate of the stra

Long run effect

• In the longer run norms themselves got affected. Perceived norms.

		Female Repor	rts	Male Reports		
	Perceived	Perceived Norms:	Perceived Norms:	Perceived	Perceived Norms:	Perceived Norms:
	Norms	Acceptance	Acceptance	Norms	Acceptance	Acceptance
	Index	Working Women	Husbands	Index	Working Women	Husbands
	(1)	(2)	(3)	(4)	(5)	(6)
Panel A: Full sample	0.062	0.079**	0.050	0.087^{**}	0.062	0.113**
θ: Direct Deposit and Training	(0.039)	(0.040)	(0.046)	(0.044)	(0.053)	(0.052)
Accts Only Mean	-0.000	-0.000	0.000	-0.236	-0.138	-0.334
N	2464	2464	2464	2292	2292	2292
Panel B: Constrained Women	0.116^{*}	0.096	0.152*	0.102	0.030	0.174**
θ : Direct Deposit and Training	(0.069)	(0.071)	(0.080)	(0.078)	(0.095)	(0.084)
Accts Only Mean	-0.079	-0.064	-0.094	-0.310	-0.188	-0.432
N	903	903	903	836	836	836
Panel C: Unconstrained Women	0.007	0.052	-0.037	0.115 ^{**}	0.090	0.121**
θ : Direct Deposit and Training	(0.043)	(0.048)	(0.051)	(0.046)	(0.063)	(0.052)
Accts Only Mean	0.047	0.041	0.053	-0.200	-0.117	-0.284
N	1501	1501	1501	1403	1403	1403
P-value: Panel B θ = Panel C θ	0.168	0.606	0.041**	0.882	0.597	0.520

Table 6: Impact of Treatments on Perceived Norms

Notes: Robust standard errors clustered at the GP level in parentheses. All regressions include strata and district fixed effects. Additional covariates are selected unique double post lass. The set of potential controls includes individual and GP-level characteristics and their square. See Online Data Appendix for the complete list of potential controls. * $p \leq 0.10$, ** $p \leq 0.05$, *** $p \leq 0.10$. These questions were only asked in the long run survey 34/48

Less sanguine results from McKelway, 2020

- She follow decision making in households where husband where given promotion
- In the short run, women spend more time working but just as much time on chore
- At 4 months, they think they have more decision making power, but their family does not...
- Women quickly dropped out of the job (often because it was incompatible with her other responsibilities).
- In The Fletcher et al paper, many woman who are currently not working would consider a part time job.

McKelway, impact of labor supply on family deciion

Table 3:	Effects on	Women's	Involvement	in Ho	ousehold
Decision	-Making				

	(1) Woman Makes	(2) Decisions Index
	Woman's Report	Family's Report
Promo Treat	0.246	0.018
	(0.094)	(0.095)
	[0.009]	[0.849]
Strata FE	Yes	Yes
PDS Lasso X	Yes	Yes
Control Mean	0.000	0.000
N Women	390	379

Notes: The outcomes are from the four-month endline surveys. Respondents were asked who in their households usually makes decisions about nine different things. I define indicators that take the value of one if the woman was said to make the decision alone or together with others, and zero otherwise. I aggregate the indicators into summary indices. The outcome in column (1) is the index of women's reports, and the outcome in column (2) is the index of family members' reports. Standard errors are clustered by household

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Udry (1996)

TABLE 3

OLS FIXED-EFFECT ESTIMATES OF THE DETERMINANTS OF PLOT YIELD AND Ln(Plot Output) (× 1,000 FCFA)

Dependent Variable: Value of Plot Output/Hectare

	HOUSEHOLD- YEAR-CROP	HOUSEHOLD-	YEAR EFFECTS	HOUSEHOLD-CROP-YEAR EFFECTS			
	EFFECTS: ALL CROPS (1)	Millet Only (2)	White Sorghum (3)	Vegetables (4)	All Crops: CES* (5)		
Mean of dependent variable	89	31	41	134	1.67		
Gender: (1 = female) Plot size:	-27.70 (-4.61)	-10.36 (-2.53)	-19.38 (-4.43)	-34.27 (-2.21)	20 (-3.56)		
1st decile	133.99 (3.50)	-28.35 (-2.67)	-17.90 (-1.92)	237.10 (4.66)			
2d decile	69.10 (4.38)	8.64 (.82)	52.30 (3.16)	63.97 (2.38)			
3d decile	63.45 (5.52)	16.95 (1.81)	47.68 (4.77)	35.87 (1.52)			
4th decile	34.08 (2.88)	9.79 (1.12)	26.73 (3.12)	4.21 (.18)			
6th decile	-2.04 (29)	99 (11)	-6.38 (-1.16)	-6.65 (26)			
7th decile	-13.44 (-1.78)	-13.01 (-1.73)	-11.31 (-1.69)	-33.54 (90)			
8th decile	-17.23 (-2.59)	-12.97 (-1.34)	-28.58(-4.82)	31.04 (.73)			
9th decile	-26.68(-3.81)	-21.50 (-2.65)	-28.65(-4.98)				
10th decile	-31.52(-4.49)	-20.56(-2.55)	-37.70 (-6.03)				
Ln(area)					.78 (29.52)		
Toposequence:							
Uppermost	-41.35 (-2.18)	2.50 (.24)	-14.60 (-1.73)	-131.34 (-1.82)	46 (-2.71)		
Top of slope	-26.35 (-1.27)	9.53 (.96)	-11.27 (-1.47)	-121.05 (-1.85)	29 (-1.92)		
Mid-slope	-24.38 (-1.19)	5.39 (.64)	-8.62 (-1.15)	-119.68 (-1.88)	28 (-1.97)		
Near bottom	-21.70 (90)	4.48 (.40)	-5.36 (71)	-93.96 (-1.30)	18 (-1.27)		

Udry (1996)

TABLE 6

LEAST-SQUARES TOBIT FIXED-EFFECT ESTIMATES OF THE DETERMINANTS OF PLOT INPUT INTENSITIES

				Hous	EHOLD-YEAI	R-CROP EFF	ICTS			
	Male per H (l	ectare	Female per He (2	ectare	Child per Ho (3	ectare	Nonhou Labor per (4	Hectare	kg per	e (1,000 Hectare) 5)
Gender (1 = female)	-668.47	(-9.60)	70.23	(1.53)	-195.46	(-2.34)	-428.41	(-1.70)	-16.33	(-2.54)
Plot size:										
1st decile	1,209.72	(2.53)	1,462.21	(5.71)	740.80	(1.17)	193.35	(.43)	24.79	(2.42)
2d decile	417.18	(3.25)	1,131.01	(5.82)	143.12	(1.11)	487.39	(1.28)	7.99	(.96)
3d decile	245.94	(2.74)	799.12	(6.72)	133.16	(1.53)	689.39	(1.27)	2.58	(.48)
4th decile	96.53	(1.71)	407.87	(5.02)	72.51	(.68)	378.18	(1.07)	-6.18	(-1.12)
6th decile	55	(01)	-69.25	(-1.36)	-72.15	(98)	57.48	(.80)	-2.14	(33)
7th decile	-153.12	(-2.97)	-306.51	(-5.96)	-59.53	(60)	65.51	(.64)	-11.08	(-1.54)
8th decile	-375.53	(-6.23)	-386.78	(-6.61)	-184.61	(-1.61)	-43.81	(30)	-11.01	(-1.61)
9th decile	-413.36	(-6.79)	-373.57	(-5.16)	-269.99	(-1.83)	-255.15	(87)	-11.64	(-1.80)
10th decile	-490.11	(-7.72)	-418.06	(-6.08)	-219.27	(-1.86)	-220.64	(-1.07)	-16.41	(-2.45)
Toposequence:		ų		1		· ····,				,,
Uppermost	41.62	(.35)	-1.92	(02)	-55.52	(51)	20.20	(.12)	-9.22	(62)
Top of slope	29.36	(.30)	91.02	(1.07)	35.15	(.38)	144.02	(.83)	.26	(.02)
Mid-slope	36.08	(.38)	.57	(.01)	.10	(.00)	- 15.45	(11)	1.14	(.11)
Near bottom	16.42	(.18)	75.94	(.86)	- 98.03	(-1.05)	23.27	(17)	2.88	(.27)
Soil Types:	10.11	(10101	(100)		(1.00)	a se sa r	()	2.00	()
3	103.49	(.60)	-31.68	(23)	235.74	(.86)	175.29	(.50)	-11.80	(-1.18)
7	-65.79	(85)	- 30.39	(28)	21.88	(.44)	66.04	(.47)	07	(01)
iı	-28.77	(09)	- 52.06	(34)	-778.86	(-4.36)	262.71	(.70)	70	(08)
12	1.051.98	(.82)	367.34	(1.63)	62.36	(.44)	368.47	(1.13)	16.32	(1.48)
13	274.48	(1.33)	- 38.50	(29)	04.50	()	- 187.07	(89)	10.04	(1.10)
21	196.37	(1.55)	- 43.41	(49)	-42.87	(35)	37.73	(.27)	2.86	(.18)
31	83.16	(1.59)	68.24	(.92)	205.90	(2.29)	115.56	(1.00)	6.43	(1.29)
32	24.77	(1.59)	- 10.36	(15)	173.14	(1.07)	- 51.08	(44)	.73	(1.25)
32 33	250.40	(2.57)	- 10.36 163.76	(1.36)	206.68	(1.07)	- 113.92	(37)	17.28	(1.61)
35	179.46	(2.57) (1.50)	303.86	(1.90)	248.38	(2.60)	195.14	(57)	- 12.75	(94)
35 37	179.40 82.49	(1.50)	50.84	(1.90)	246.56	(2.60)	31.14	(.20)	- 12.75 8.34	(1.44)
57 45	78.13	(1.34)	- 8.33	(10)	79.85	(1.19)	41.90	(.20)	8.00	(1.44)
45	- 187.14		- 8.55	(10)	42.70	(1.02)	41.90 223.23		- 15.45	
40 51								(1.27)		(79)
	95.73	(1.83)	-27.01	(33)	2.93	(.05)	126.70	(1.05)	.80	(.17)
Location:		(50)	07.10	(00)	10.00	(100.00			
Compound	35.35	(.78)	37.16	(.90)	-18.82	(31)	- 162.88	(-1.38)	.99	(.24)
Village	19.69	(.70)	12.18	(.45)	42.92	(.93)	25.80	(.30)	5.86	(1.60)
Mean of dependent variable		7.39	466			.55		.88		70
when >0	506	5.62	517	C17	202	1.88	213		7.	78

NOTE .--- This is the least-squares implementation of Honore's (1992) fixed-effect Tobit estimator. I-ratios are in parentheses.

	Depe	endent varia	ibles
		Current	
	Male cash	Yam	Female
	crop	income	Income
	(1)	(2)	(3)
F statistics			
(p value)			
All rainfall variables	1.99	3.50	2.53
are significant	(0.014)	(0.000)	(0.000)
Current year rainfall variables	1.18	3.38	2.43
significant	(0.315)	(0.000)	(0.005)
Past year rainfall variables	2.79	4.64	2.64
significant	(0.005)	(0.000)	(0.001)
Rainfall variables significantly different from:			
Male cash crop	NA		
	2.10		
Yam income	(0.010)	NA	
Female income	2.10	2.38	NA
	(0.009)	(0.002)	

Table 2: First stage summary statistics

	Dependent variable: Change in log (item consumption)											
	Total expenditure	Food consumption	Adult goods	Clothing	Prestige goods	Education	Staples	Meat	Vegetables	Processed foods	Purchased foods	Food consumed at home
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
PANEL A OLS coefficients:												
Predicted change in male non-yam	0.126	0.062	0.870	-0.164	0.683	-0.101	0.113	0.002	0.345	0.004	-0.029	0.098
income	(0.049)	(0.054)	(0.425)	(0.334)	(0.209)	(0.128)	(0.072)	(0.126)	(0.210)	(0.139)	(0.078)	(0.119)
Predicted change in yam	0.207	0.227	-0.473	0.296	-0.272	0.320	0.345	0.135	0.023	0.122	0.087	0.444
income	(0.037)	(0.041)	(0.320)	(0.252)	(0.158)	(0.108)	(0.054)	(0.096)	(0.159)	(0.105)	(0.059)	(0.090)
Predicted change in female	0.309	0.235	1.537	0.535	0.993	-0.098	0.193	0.492	0.995	0.474	0.412	0.313
income	(0.056)	(0.061)	(0.490)	(0.382)	(0.239)	(0.159)	(0.082)	(0.144)	(0.239)	(0.159)	(0.089)	(0.136)
F tests (p value) :		0.934	5.064	0.514	7.595	2.260	5.870	1.824	3.277	1.397	4.777	1.912
Overidentification Restriction test		(0.393)	(0.007)	(0.598)	(0.001)	(0.106)	(0.003)	(0.162)	(0.038)	(0.248)	(0.009)	(0.148)
PANEL B: LAGGED RAINFALL OLS coefficients:												
Predicted change in lagged male	0.073	0.039	0.350	0.044	0.047	0.091	0.038	0.150	0.039	0.115	0.155	-0.007
non-yam income	(0.020)	(0.022)	(0.169)	(0.133)	(0.082)	(0.056)	(0.029)	(0.050)	(0.083)	(0.055)	(0.031)	(0.047)
Predicted change in lagged yam	-0.003	0.004	0.008	-0.125	-0.076	-0.031	-0.021	0.015	0.011	0.027	0.024	-0.018
income	(0.009)	(0.009)	(0.073)	(0.059)	(0.036)	(0.029)	(0.013)	(0.022)	(0.036)	(0.024)	(0.013)	(0.021)
Predicted change in lagged female	-0.001	0.018	-0.024	-0.251	-0.289	0.093	0.044	0.023	-0.054	-0.010	0.062	-0.035
income	(0.026)	(0.028)	(0.220)	(0.173)	(0.107)	(0.079)	(0.038)	(0.064)	(0.107)	(0.071)	(0.040)	(0.061)
F tests (p value) : Overidentification		0.105 (0.900)	0.128 (0.880)	0.254 (0.776)	0.043 (0.958)	0.016 (0.984)	0.049 (0.952)	0.052 (0.949)	0.024 (0.976)	0.058 (0.943)	0.054 (0.948)	0.057 (0.945)

	OLS (1)	OLS (2)	OLS (3)	Probit ^a (4)
Text message treatment dummy	6136 (.087)***	5819 (.091)***	4744 (.097)***	4634 (.072)***
Don't tell treatment dummy	6433 (.070)***	6119 (.080)***	5208 (.060)***	5409 (.123)***
Individual and household covariates	No	Yes	Yes	Yes
Surveyor and school dummies	No	No	Yes	Yes
Observations	156	156	156	151

TABLE 4 REGRESSIONS: TREATMENT EFFECTS Dependent Variable = Dummy for Parent Prefers R\$120 CCT to R\$125 CT

NOTE.—Mean of dependent variable in the baseline group = .82. The sample was restricted to households that answered the entire survey, and thus two observations were lost. Controls in cols. 2–4 include log of household income, employed parent dummy,

Respondent	Parent	Child	Difference
Did the child miss any day of school this year?			
(% answering "yes")	75.60	85.58	-9.98 ***
How many days did the child miss this year?	4.8	5.16	36
Did the child miss any day of school in the			
last 2 months? (% answering "yes")	50.96	56.04	-5.08
How many days did the child miss in the last			
2 months?	1.36	1.97	60*
Did the child miss any day this year because			
the child was sick? (% answering "yes")	43.81	32.70	11.12***
Did the child miss any day because the child			
did not want to go? (% answering "yes")	9.05	15.87	-6.82^{***}

TABLE 3 HOW MUCH DO PARENTS KNOW?

NOTE .- T-tests of equality in means from paired observations (parent and child).

* Significant at the 10 percent level. *** Significant at the 1 percent level.

			E	xpenditures					
	Shared Other								
	Total (1)	Private (2)	food (3)	Medical (4)	Children (5)	shared (6)	Transport (7)		
Panel A. Men									
Shillings received in experimental shock by respondent	0.190 (0.194)	0.169 (0.064)***	-0.025 (0.089)	0.048 (0.041)	-0.012 (0.032)	-0.096 (0.102)	0.102 (0.068)		
Shillings received in experimental shock by spouse	$\begin{array}{c} -0.163 \\ (0.192) \end{array}$	-0.027 (0.069)	$\begin{array}{c} -0.016 \\ (0.087) \end{array}$	0.057 (0.045)	$\begin{array}{c} -0.019 \\ (0.030) \end{array}$	$\begin{array}{c} -0.086 \\ (0.111) \end{array}$	$\begin{array}{c} -0.069 \\ (0.060) \end{array}$		
Observations Number of households	898 142	898 142	898 142	898 142	898 142	898 142	898 142		
p-value for F-test of equality	0.21	0.05**	0.93	0.84	0.88	0.95	0.09*		
Mean of dependent variable (Ksh) ^a	889.32	135.66	413.77	56.95	24.09	144.77	114.55		
SD of dependent variable (Ksh) Proportion of weeks dependent variable $= 0$	557.30 0.00	122.24 0.12	298.74 0.03	143.25 0.52	84.40 0.86	250.88 0.12	106.76 0.18		
Panel B. Women									
Shillings received in experimental shock by respondent	0.180 (0.148)	-0.020 (0.042)	0.056 (0.067)	0.079 (0.041)*	0.032 (0.026)	0.041 (0.059)	-0.007 (0.047)		
Shillings received in experimental shock by spouse	$\begin{array}{c} -0.058 \\ (0.123) \end{array}$	$\begin{array}{c} -0.026 \\ (0.039) \end{array}$	$\begin{array}{c} -0.051 \\ (0.064) \end{array}$	$\begin{array}{c} 0.015 \\ (0.034) \end{array}$	$\begin{array}{c} -0.025 \\ (0.024) \end{array}$	$\begin{array}{c} 0.050 \\ (0.041) \end{array}$	$\begin{array}{c} -0.021 \\ (0.039) \end{array}$		
Observations	898	898	898	898	898	898	898		
Number of households	142	142	142	142	142	142	142		
p-value for F-test of equality	0.14	0.91	0.23	0.07*	0.1*	0.88	0.77		
Mean of dependent variable (Ksh)	428.51	47.28	227.98	28.43	18.25	68.51	38.07		
SD of dependent variable (Ksh)	482.65	123.77	262.65	94.87	65.80	119.21	101.60		
Proportion of weeks dependent variable = 0	0.03	0.61	0.08	0.64	0.84	0.28	0.72		

TABLE 3—EXPERIMENTAL SHOCKS AND EXPENDITURES

	Net transf	fers to:	Labor	supply	Sav	ings ^b
	Spouse (1)	Outside household (2)	Hours (3)	Labor income (4)	Bank/ ROSCA savings (5)	Total savings (6)
Panel A. Men						
Shillings received in experimental shock by respondent	0.077 (0.065)	0.090 (0.202)	0.018 (0.017)	0.139 (0.366)	0.020 (0.159)	0.782 (0.393)**
Shillings received in experimental shock by spouse	$\begin{array}{c} -0.163 \\ (0.060)^{***} \end{array}$	$\begin{array}{c} -0.133 \\ (0.157) \end{array}$	$\begin{array}{c} -0.036 \\ (0.035) \end{array}$	$\begin{array}{c} -0.145 \\ (0.312) \end{array}$	$\begin{array}{c} -0.244 \\ (0.154) \end{array}$	$\substack{0.314 \\ (0.319)}$
Observations	898	898	898	898	898	898
Number of households	142	142	142	142	142	142
p-value for F-test of equality	0.01***	0.31	0.27	0.48	0.35	0.31
Mean of dependent variable (Ksh) ^a	76.78	2.81	52.18	698.56	127.20	-270.34
SD of dep. var. (Ksh)	159.89	436.18	24.14	852.24	222.35	885.11
Proportion of weeks dependent variable $= 0$	0.62	0.21	0.08	0.07	0.50	0.00
Panel B. Women						
Shillings received in experimental shock by respondent	0.163 (0.060)***	0.050 (0.190)	-0.031 (0.020)	$\begin{array}{c} -0.020 \\ (0.185) \end{array}$	$\begin{array}{c} 0.082\\ (0.088) \end{array}$	0.586 (0.239)**
Shillings received in experimental shock by spouse	-0.077 (0.065)	$\begin{array}{c} -0.010 \\ (0.160) \end{array}$	$\begin{array}{c} 0.009\\(0.011) \end{array}$	0.031 (0.195)	-0.154 (0.099)	0.175 (0.234)

	All women		Respo	nders	Nonresponder		
	Voucher redeemed (1)	Received injectable (2)	Voucher redeemed (3)	Received injectable (4)	Voucher redeemed (5)	Received injectable (6)	
Panel A. Without control	ls						
Assigned to	-0.103 **	-0.065	-0.259 * * *	-0.213 ***	-0.041	-0.014	
Couple treatment	(0.049)	(0.040)	(0.095)	(0.077)	(0.059)	(0.048)	
Panel B. With controls							
Assigned to	-0.097*	-0.061	-0.274 **	-0.253 ***	-0.051	-0.020	
Couple treatment	(0.051)	(0.041)	(0.120)	(0.094)	(0.063)	(0.049)	
Observations	419	419	106	106	290	290	
Mean of outcome variable among individual treatment	0.531	0.244	0.650	0.300	0.483	0.214	

TABLE 3—EFFECT OF PRIVATE INFORMATION TREATMENT ON HOUSEHOLDS IN WHICH BOTH HUSBAND AND WIFE DO NOT WANT A CHILD IN NEXT TWO YEARS

	Untreated	1 children	Female	control	Male	control
	Attendance (1)	Enrollment (2)	Attendance (3)	Enrollment (4)	Attendance (5)	Enrollment (6)
Sibling is treated? (yes or no)	-0.030* (0.015)	-0.073*** (0.027)	-0.053^{**} (0.021)	-0.104* (0.054)	-0.029 (0.031)	-0.054 (0.040)
Child is treated? (yes or no)						
Demographic controls School fixed effects Observations R ²	$\sqrt[4]{690}$ 0.28	√ √ 637 0.16	√ √ 352 0.33	√ √ 323 0.23	√ √ 338 0.38	$\sqrt[4]{14}$
Sample description	household	children in s with two l children	household	d girls in s with two children	household	d boys in s with two children

TABLE 9—EFFECTS OF TREATMENT ON SIBLINGS USING MONITORED AND ADMINISTRATIVE PARTICIPATION, HOUSEHOLDS WITH TWO REGISTERED CHILDREN

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