

Table S1: Impact of PSNP participation on number of female members, by age (12-18y), estimator and treatment definition

Panel A: PSNP treatment includes public works and direct support households								
	Household Fixed Effect (HH FE)				Poisson Fixed Effect (Poisson FE)			
	12-14	12-16	14-18	16-18	12-14	12-16	14-18	16-18
Treatment x Post	0.230** (0.089)	0.273*** (0.086)	0.256*** (0.080)	0.238*** (0.090)	0.422** (0.171)	0.415*** (0.127)	0.475*** (0.127)	0.588*** (0.194)
Post Period	-0.062 (0.086)	-0.108 (0.086)	-0.094 (0.096)	-0.115 (0.117)	-0.108 (0.177)	-0.185 (0.135)	-0.169 (0.143)	-0.252 (0.215)
	1023	1215	1157	792	1023	1215	1157	792
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Observation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Household Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Time Fixed Effect	No	No	No	No	No	No	No	No
Time Fixed Effect x Region Fixed Effect	0.55	0.70	0.63	0.50	0.55	0.70	0.63	0.50
Region Fixed Effect	0.230** (0.089)	0.273*** (0.086)	0.256*** (0.080)	0.238*** (0.090)	0.422** (0.171)	0.415*** (0.127)	0.475*** (0.127)	0.588*** (0.194)
Dependent variable mean								

Panel B: PSNP treatment includes public works households only								
	Household Fixed Effect (HH FE)				Poisson Fixed Effect (Poisson FE)			
	12-14	12-16	14-18	16-18	12-14	12-16	14-18	16-18
Treatment x Post	0.236*** (0.088)	0.277*** (0.085)	0.245** (0.093)	0.203** (0.092)	0.449*** (0.163)	0.427*** (0.122)	0.462*** (0.148)	0.492** (0.198)
Post Period	-0.114 (0.092)	-0.123 (0.090)	-0.088 (0.094)	-0.119 (0.126)	-0.210 (0.175)	-0.199 (0.135)	-0.150 (0.135)	-0.238 (0.218)
Observation	960	1127	1044	730	960	1127	1044	730
Household Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Time Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Time Fixed Effect x Region Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Region Fixed Effect	No	No	No	No	No	No	No	No
Dependent variable mean	0.55	0.70	0.63	0.50	0.55	0.70	0.63	0.50

Source: Authors calculation. Note: Standard errors clustered at Kebele Level in Parenthesis. * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

Table S2: Impact of PSNP participation on number of male members, by age, estimator and treatment definition

Panel A: PSNP treatment includes public works and direct support households						
	Household Fixed Effects (HH FE)			Poisson Fixed Effects (Poisson FE)		
	7 – 11y	12 – 18y	19 – 29y	7 – 11y	12 – 18y	19 – 29y
Treatment x Post	0.169** (0.076)	-0.088 (0.089)	0.040 (0.095)	0.231** (0.107)	-0.088 (0.098)	0.071 (0.135)
Post Period	-0.164** (0.082)	0.078 (0.083)	0.088 (0.079)	-0.215** (0.108)	0.071 (0.086)	0.150 (0.118)
Observation	1380	1491	1357	1380	1491	1357
Household Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes
Time Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes
Time Fixed Effect x Region	Yes	Yes	Yes	Yes	Yes	Yes
Region Fixed Effect	No	No	No	No	No	No
Dependent variable mean	0.76	0.94	0.71	0.76	0.94	0.71

Panel B: PSNP treatment includes public works households only						
	Household Fixed Effects (HH FE)			Poisson Fixed Effects (Poisson FE)		
	7 – 11y	12 – 18y	19 – 29y	7 – 11y	12 – 18y	19 – 29y
Treatment x Post	0.135* (0.077)	0.011 (0.088)	0.025 (0.101)	0.171 (0.105)	0.021 (0.095)	0.032 (0.139)
Post Period	-0.091 (0.078)	0.029 (0.086)	0.126 (0.085)	-0.110 (0.095)	0.017 (0.087)	0.208* (0.124)
Observation	1268	1352	1239	1268	1352	1239
Household Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes
Time Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes
Time Fixed Effect x Region	Yes	Yes	Yes	Yes	Yes	Yes
Region Fixed Effect	No	No	No	No	No	No
Dependent variable mean	0.77	0.97	0.71	0.77	0.97	0.71

Source: Authors calculation. Note: Standard errors clustered at Kebele Level in Parenthesis. * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$. For list of control variables, see Table 2.

Table S1: Comparison of pre-program means: Treatment Batch 1

Variable	Comparison	Obs	Beneficiary	Obs	Difference	p-val	Absolute value of standardized mean difference
<u>Demographic Characteristics</u>							
Household Size	4.77	97	5.08	87	-0.31	0.336	0.14
No. of Males	2.40	97	2.71	87	-0.31	0.162	0.21
No. of Females	2.37	97	2.37	87	0.00	0.987	0.00
No. of HH Members(0-6)	1.06	97	1.29	87	-0.23	0.164	0.21
No. of HH Members(7-11)	0.68	97	0.74	87	-0.06	0.636	0.07
No. of Males(12-18)	0.41	97	0.56	87	-0.15	0.156	0.21
No. of Females(12-18)	0.43	97	0.30	87	0.13	0.180	0.20
No. of Females(19-29)	0.37	97	0.43	87	-0.05	0.486	0.10
No. of Males(19-29)	0.38	97	0.34	87	0.04	0.655	0.07
No. of Males(30-41)	0.26	97	0.30	87	-0.04	0.537	0.09
No. of Females(30-41)	0.32	97	0.32	87	-0.00	0.974	0.00
No. of Males(42-60)	0.27	97	0.32	87	-0.05	0.428	0.12
No. of Females(42-60)	0.29	97	0.22	87	0.07	0.275	0.16
No. of HH Members(>61)	0.30	97	0.26	87	0.03	0.673	0.06
<u>Household characteristics</u>							
Male Headed Household	0.81	97	0.86	87	-0.05	0.382	0.13
Age of Head	47.24	97	45.85	87	1.39	0.553	0.09
Head has no formal schooling	0.81	97	0.78	87	0.03	0.583	0.08
Head has primary education	0.14	97	0.18	87	-0.04	0.473	0.11
Head has secondary Education	0.04	97	0.03	87	0.01	0.811	0.04
Value of Productive Assets (Birr, log)	4.93	97	4.97	87	-0.04	0.764	0.04
Dwelling has corrugated Metal Roof	0.14	97	0.13	87	0.02	0.725	0.05
In the two years prior to the survey, the household reports:							
Making distress asset sale	0.59	97	0.49	87	0.09	0.207	0.19
Climatic shocks to Crop Production	0.57	97	0.60	87	-0.03	0.675	0.06
Input shocks to Crop production	0.28	97	0.29	87	-0.01	0.893	0.02
Livestock shocks	0.61	97	0.68	87	-0.07	0.325	0.15
Household ranks itself:							
Poor Relative to Others	0.48	97	0.44	87	0.05	0.519	0.10
Average Relative to Others	0.36	97	0.48	87	-0.12*	0.096	0.25

Source: Authors calculation

Table S2: Comparison of pre-program means: Treatment Batch 2

Variable	Mean Control	Obs	Mean Treatment	Obs	Difference	p-val	Absolute value of standardized mean difference
<u>Demographic Characteristics</u>							
Household Size	6.22	77	4.88	202	1.34***	0.000	0.50
No. of Males	3.48	77	2.43	202	1.05***	0.000	0.60
No. of Females	2.74	77	2.45	202	0.29	0.190	0.18
No. of HH Members(0-6)	1.44	77	1.02	202	0.42***	0.008	0.36
No. of HH Members(7-11)	0.78	77	0.79	202	-0.01	0.908	-0.02
No. of Males(12-18)	0.82	77	0.55	202	0.26**	0.034	0.30
No. of Females(12-18)	0.51	77	0.38	202	0.13	0.178	0.19
No. of Females(19-29)	0.53	77	0.26	202	0.28***	0.002	0.46
No. of Males(19-29)	0.55	77	0.27	202	0.27***	0.002	0.45
No. of Males(30-41)	0.32	77	0.20	202	0.12*	0.059	0.27
No. of Females(30-41)	0.29	77	0.32	202	-0.03	0.617	-0.07
No. of Males(42-60)	0.35	77	0.31	202	0.04	0.575	0.08
No. of Females(42-60)	0.31	77	0.36	202	-0.05	0.451	-0.10
No. of HH Members(>61)	0.34	77	0.42	202	-0.08	0.353	-0.12
<u>Household characteristics</u>							
Male Headed Household	0.89	76	0.76	202	0.14***	0.004	0.37
Age of Head	45.33	76	52.42	202	-7.09***	0.001	0.45
Head has no formal schooling	0.75	76	0.81	202	-0.06	0.281	0.15
Head has primary education	0.18	76	0.16	202	0.03	0.618	0.07
Head has secondary Education	0.03	76	0.02	202	0.00	0.942	0.01
Value of Productive Assets (Birr, log)	5.24	76	5.07	202	0.18	0.276	0.14
Dwelling has corrugated Metal Roof	0.25	76	0.13	202	0.12**	0.030	0.31
In the two years prior to the survey, the household reports:							
Making distress asset sale	0.49	76	0.58	202	-0.10	0.151	0.20
Climatic shocks to Crop Production	0.67	76	0.61	202	0.06	0.375	0.12
Input shocks to Crop production	0.28	76	0.33	202	-0.06	0.369	0.12
Livestock shocks	0.68	76	0.62	202	0.06	0.344	0.13
Household ranks itself:							
Poor Relative to Others	0.38	76	0.46	202	-0.08	0.236	0.16
Average Relative to Others	0.46	76	0.44	202	0.02	0.712	0.05

Source: Authors calculation

Table S3: Comparison of pre-program means: Treatment Batch 3

Variable	Mean Control	Obs	Mean Treatment	Obs	Difference	p-val	Absolute value of standardized mean difference
<u>Demographic Characteristics</u>							
Household Size	5.73	282	4.87	287	0.86***	0.000	0.39
No. of Males	3.09	282	2.38	287	0.70***	0.000	0.45
No. of Females	2.65	282	2.49	287	0.16	0.181	0.11
No. of HH Members(0-6)	1.20	282	1.18	287	0.02	0.846	0.02
No. of HH Members(7-11)	0.91	282	0.74	287	0.18**	0.012	0.21
No. of Males(12-18)	0.66	282	0.49	287	0.18***	0.006	0.23
No. of Females(12-18)	0.55	282	0.39	287	0.16***	0.009	0.22
No. of Females(19-29)	0.40	282	0.43	287	-0.03	0.538	-0.05
No. of Males(19-29)	0.44	282	0.31	287	0.13***	0.010	0.22
No. of Males(30-41)	0.28	282	0.30	287	-0.02	0.691	-0.03
No. of Females(30-41)	0.38	282	0.32	287	0.06	0.119	0.13
No. of Males(42-60)	0.36	282	0.26	287	0.10**	0.013	0.21
No. of Females(42-60)	0.30	282	0.26	287	0.05	0.212	0.10
No. of HH Members(>61)	0.24	282	0.22	287	0.02	0.602	0.04
<u>Household characteristics</u>							
Male Headed Household	0.87	268	0.75	274	0.12***	0.000	0.30
Age of Head	46.26	268	44.20	274	2.06	0.104	0.14
Head has no formal schooling	0.75	268	0.73	274	0.03	0.467	0.06
Head has primary education	0.21	268	0.25	274	-0.04	0.327	0.08
Head has secondary Education	0.03	268	0.03	274	0.01	0.582	0.05
Value of Productive Assets (Birr, log)	5.07	268	4.97	274	0.10	0.368	0.08
Dwelling has corrugated Metal Roof	0.15	268	0.12	274	0.03	0.267	0.10
In the two years prior to the survey, the household reports:							
Making distress asset sale	0.47	268	0.54	274	-0.07	0.123	0.13
Climatic shocks to Crop Production	0.68	268	0.70	274	-0.03	0.525	0.05
Input shocks to Crop production	0.31	268	0.34	274	-0.03	0.463	0.06
Livestock shocks	0.67	268	0.69	274	-0.02	0.587	0.05
Household ranks itself:							
Poor Relative to Others	0.46	268	0.58	274	-0.12***	0.004	0.25
Average Relative to Others	0.41	268	0.34	274	0.07*	0.088	0.15

Source: Authors calculation