

# **Parents and Children Together:**

## Evaluating Responsible Fatherhood and Healthy Marriage Programs

---

**Presentation at the RECS Conference  
Washington, DC**

**June 1, 2018**

---

Sarah Avellar • Quinn Moore • Ankita Patnaik  
Reginald Covington • April Wu

# What Is Parents and Children Together (PACT)?

---

- **A multicomponent study of family-strengthening grantees funded by the Administration for Children and Families (ACF)**
  - **Responsible Fatherhood (RF) programs**
    - Qualitative study of fathers' experiences
    - Implementation study of program operations
    - **Impact study of program effectiveness**
  - **Healthy Marriage (HM) programs**
    - Implementation study of program operations
    - **Impact study of program effectiveness**
  - **Special-topics reports**

*Focus of today's presentation*

---

# Responsible Fatherhood

# Federally Funded RF Programs Offer Comprehensive Services

---

- Congress has funded RF programs for over a decade
- ACF requires that the RF programs offer services in three core areas:
  - Responsible parenting and fatherhood
  - Healthy marriage and relationships
  - Economic stability (such as employment services)



# Four RF Programs in PACT



**Successful STEPS at Connections to Success (Kansas City, Kansas, and Kansas City, Missouri)**



**Family Formation Program at Fathers' Support Center, St. Louis (St. Louis, Missouri)**



**FATHER Project at Goodwill-Easter Seals Minnesota (Minneapolis and St. Paul, Minnesota)**



**Center for Fathering at Urban Ventures (Minneapolis, Minnesota)**

# Core RF services

---

- **All programs offered three required service components: parenting, healthy relationships, and economic stability**
  - They also covered personal development, although it was not required
- **Two programs integrated most or all core content into one workshop and two offered a “menu” of services**
  - **Integrated: Connections to Success and Fathers’ Support Center**
  - **Open-entry menu: Goodwill–Easter Seals Minnesota and Urban Ventures**

# Evaluation Design

---

- **Primary research question: How does offering RF services to low-income fathers affect their parenting, co-parenting, economic stability, and well-being one year after study enrollment?**
- **5,522 fathers randomly assigned to either a program group that was offered the RF program services or a control group that was not**
  - **The control group received information about other services in the community and could choose to participate in those**

# Data Sources and Outcomes

---

- **Three data sources**
  - Baseline survey of fathers
  - Follow-up survey of fathers about one year later
  - Administrative records collected from the National Directory of New Hires (NDNH)
- **Fifteen confirmatory outcomes in four areas (selected before conducting the analysis)**
  - Parenting
  - Healthy relationships
  - Economic stability
  - Well-being

# Fathers' Characteristics at Baseline

Baseline Characteristic	Mean
Age	35 years
Number of biological or adopted children	2.5 children
Black, non-Hispanic	77%
Worked for pay in last six months	71%
Children by multiple mothers	46%

Source: PACT baseline survey

---

# Impacts of RF Programs in PACT

# Programs Improved Some Parenting Behaviors

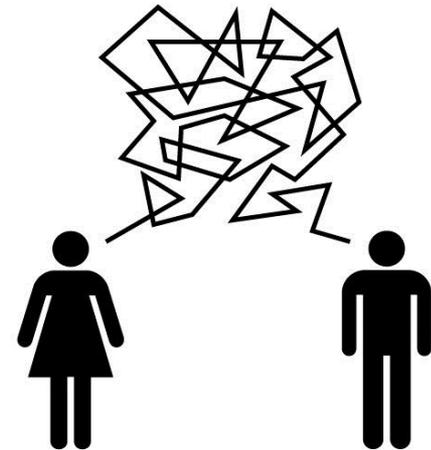
---

- **Increased fathers' reported engagement in age-appropriate activities with child**
  - For example, reading books or working on homework together
- **Increased fathers' reported nurturing behaviors**
  - For example, showing patience when the child was upset or encouraging the child to talk about his or her feelings
- **Did not affect fathers' reported:**
  - In-person contact with their children
  - Financial support of their children
  - Nonviolent discipline (such as taking away privileges)

# Fathers in Both Groups Had Similar Relationship Quality with the Mothers of Their Children

---

- Programs did not affect the following scales (according to fathers' reports):
  - Being a good co-parenting team
  - Have a positive co-parenting alliance
  - Using constructive conflict behaviors
  - Avoiding destructive conflict behaviors



# Effects on Economic Stability Were Mixed

---

- Programs did not affect earnings
- Programs did increase the length of time fathers were continuously employed

Number of consecutive quarters employed in the first year



Control group = 1.97    Program group = 2.07

# Programs Did Not Affect Depressive Symptoms or Locus of Control

---

- Fathers in the program and control groups reported similar levels of depressive symptoms
- Fathers in both groups also had similar beliefs in whether they could control their life circumstances instead of being controlled by external factors



# In Sum: RF Impacts

---

- **Favorable effects on parenting are encouraging**
  - This success is noteworthy because fathers' experiences might make it hard for them to focus on their parenting skills
  - Most fathers did not live with their children and were not romantically involved with their children's mother
- **Programs did not affect fathers' reports on co-parenting**
- **Programs led to a increase in employment stability**
  - Effects did not translate into increased earnings or greater financial support for children

---

# Healthy Marriage

# Two HM Programs Participated in PACT

---



**Bronx, New York**  
*Supporting Healthy Relationships (SHR)*  
at University Behavioral Associates



**El Paso, Texas**  
*Healthy Opportunities for Marriage*  
*Enrichment (HOME) Program* at the  
El Paso Center for Children

# Core HM Services

---

- **Relationship education workshop**
  - SHR offered *Loving Couples, Loving Children* (24–27 hours of workshops)
  - HOME offered a tailored version of *Within Our Reach* (18 hours of workshops)
- **Job and career advancement services**
  - Both programs offered two-hour stand-alone workshops
  - SHR integrated four hours of material into the relationship education workshop
  - Both programs offered one-on-one services with an employment specialist

# Evaluation Design

---

- **Primary research question: What is the effect of offering HM services to low-income couples on (1) the status and quality of the couple relationship, (2) co-parenting, and (3) job and career status?**
- **1,595 couples were randomly assigned to either a program group that was offered the HM program services or a control group that was not**

# Data Sources and Outcomes

---

- **As with RF, three data sources**
  - Baseline survey with each partner
  - Follow-up survey with each partner about one year later
  - NDNH data
- **Twelve confirmatory outcomes in three areas (selected before conducting analysis)**
  - Parenting
  - Healthy relationships
  - Job and career advancement

# Couples' Baseline Characteristics

Baseline Characteristic	Mean
Age: men	36 years
Age: women	34 years
Number of resident biological or adopted children	2.2 children
Married	59%
Both partners Hispanic	78%
Paid work in past 30 days: men	81%
Paid work in past 30 days: women	46%

Source: PACT baseline survey

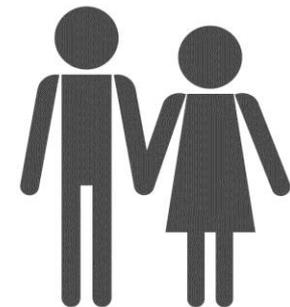
---

# Impacts of HM Programs in PACT

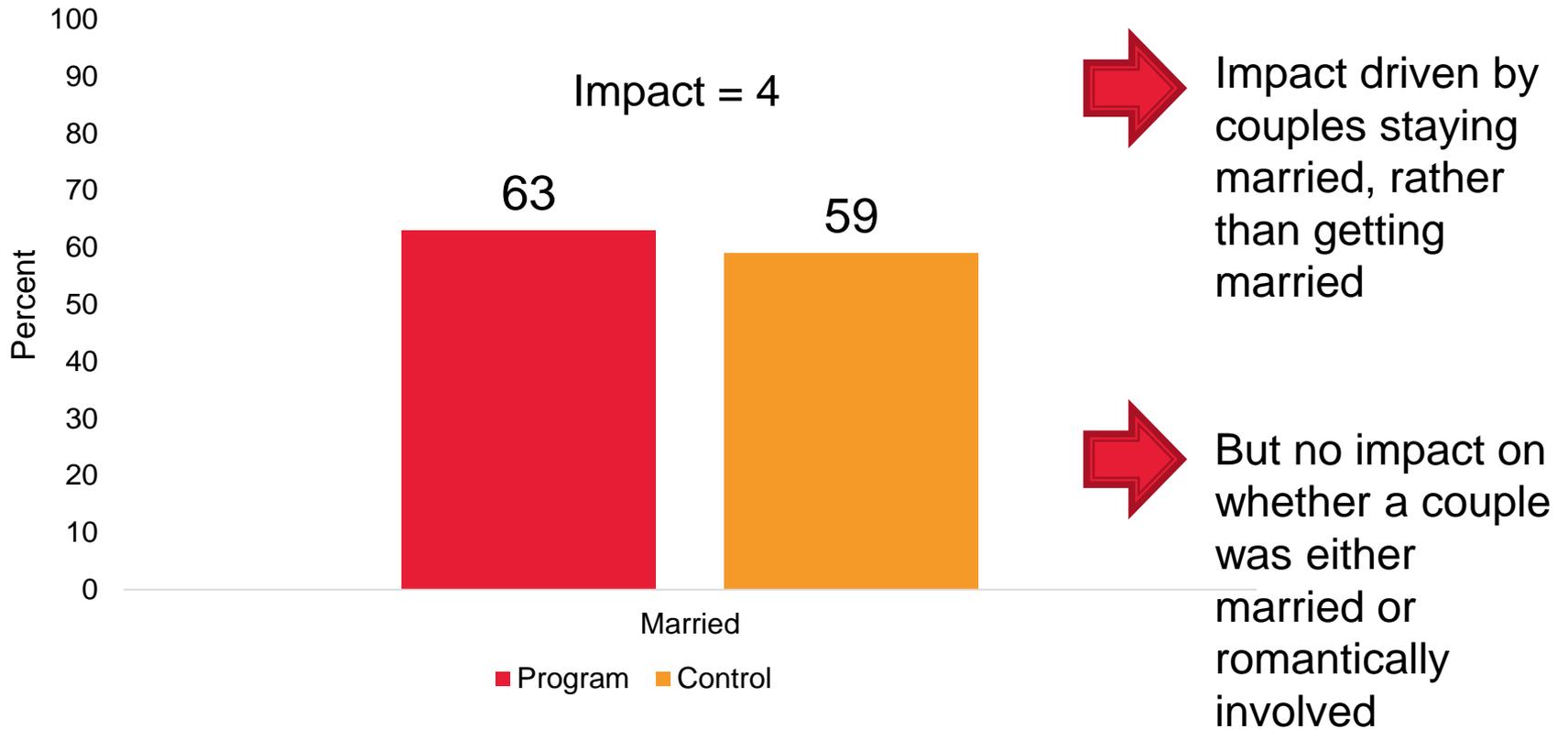
# HM Programs Improved Relationship Quality

---

- **Favorable effects on:**
  - The level of commitment partners felt toward their relationship
  - The level of support and affection they felt toward each other, such as support, intimacy, and friendship
  - Frequency of destructive conflict behaviors, such as criticism, contempt, and defensiveness
- **Programs did not improve:**
  - Use of constructive conflict behaviors
  - Relationship happiness



# Effects on Relationship Status



Source: PACT follow-up survey, conducted by Mathematica.

# Programs Improved Co-Parenting

---

- Programs improved how well couples felt they worked together in raising their children



# Effect on One Measure of Job and Career Advancement

---

- **Programs increased women's self-reported monthly earnings by about \$100**
  - However, there was no effect on women's monthly earnings according to administrative data
- **Programs did not change men's monthly earnings**
  - No effect for self-reported earnings nor earnings according to administrative data

# In Sum: HM Impacts

---

- **The HM programs in PACT enhanced multiple aspects of the couple relationship**
- **Impacts compare favorably to other HM programs for low-income couples that have been evaluated**
- **Programs had limited success with job and career advancement**
  - **Combining labor market and relationship services is still new**
  - **Few couples said that their motivation to enroll was to improve their job situation**
  - **Only half of the couples received job and career advancement services**

# Closing Thoughts

---

- **ACF conducted PACT so that funders, developers, researchers, and practitioners could work together to learn, adapt, and improve programs**
- **Both types of programs in PACT showed promise for enhancing aspects of families' lives**
- **The evaluations also showed areas that may need further development**
- **The findings may support future program development**

# For More Information

---

- Sarah Avellar
  - [SAvellar@mathematica-mpr.com](mailto:SAvellar@mathematica-mpr.com)
- Seth Chamberlain
  - [SChamberlain@acf.hhs.gov](mailto:SChamberlain@acf.hhs.gov)

---

# Pooled RF Impacts

# Pooled RF Impacts on Parenting

Outcome	Program group	Control group	Impact	Effect size
In-person contact with children (%)	73.1	71.5	1.5	0.04
Age-appropriate activities with focal child (scale: 0 to 3)	2.00	1.87	0.13***	0.13
Average monthly financial support (\$)	162	158	4	0.02
Nurturing behaviors with focal child (scale: 0 to 3)	2.56	2.46	0.09***	0.12
Nonviolent discipline of focal child (scale: 0 to 3)	1.96	1.92	0.04	0.04

Source: PACT follow-up survey, conducted by Mathematica.

\*\*\* Significantly different from zero at the .01 level, two-tailed test.

# Pooled RF Impacts on Co-Parenting

Outcome	Program group	Control group	Impact	Effect size
Being a co-parenting team (scale: 1 to 4)	2.80	2.79	0.02	0.02
Positive co-parenting alliance with focal mother (scale: 1 to 4)	2.95	2.93	0.02	0.02
Using positive conflict behaviors with focal mother (scale: 1 to 4)	3.01	3.04	-0.03	-0.03
Avoiding negative conflict behaviors with focal mother (scale: 1 to 4)	2.49	2.48	0.01	0.01

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Pooled RF Impacts on Economic Stability

Outcome	Program group	Control group	Impact	Effect size
Average monthly earnings (survey, \$)	1,020	991	28	0.03
Average monthly earnings (administrative, \$)	616	581	34	0.04
Number of consecutive quarters employed in first year (range: 0 to 4)	2.07	1.97	0.1**	0.06

Source: PACT follow-up survey, conducted by Mathematica.

\*\* Significantly different from zero at the .05 level, two-tailed test.

# Pooled RF Impacts on Well-Being

Outcome	Program group	Control group	Impact	Effect size
Depressive symptoms (scale: 0 to 24)	4.86	5.13	-0.28	-0.04
Risk of high or moderate depression (%)	18.2	20.3	-2.1	-0.08
Feelings of external control (scale: 1 to 4)	1.88	1.91	-0.03	-0.05

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

---

# Site-Specific RF Impacts

# Impacts of the Center for Fathering on Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
In-person contact with children (%)	71.9	68.3	3.6	2.45	896
Age-appropriate activities with focal child (scale: 0 to 3)	2.0	1.8	0.2**	0.07	631
Average monthly financial support (\$)	163.2	158.7	4.5	14.99	821
Nurturing behaviors with focal child (scale: 0 to 3)	2.5	2.4	0.1*	0.06	631
Nonviolent discipline of focal child (scale: 0 to 3)	1.8	1.9	-0.0	0.07	533

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\*/\*\* Significantly different from zero at the .10/.05 level, two-tailed test.

# Impacts of the Center for Fathering on Co-Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
Being a co-parenting team (scale: 1 to 4)	2.8	2.9	-0.1	0.05	1065
Positive co-parenting alliance with focal mother (scale: 1 to 4)	3.0	3.0	0.0	0.06	488
Using positive conflict behaviors with focal mother (scale: 1 to 4)	3.0	3.1	-0.1	0.09	385
Avoiding negative conflict behaviors with focal mother (scale: 1 to 4)	2.6	2.7	-0.1	0.09	385

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Impacts of the Center for Fathering on Economic Stability

Outcome	Program group	Control group	Impact	SD	Sample size
Average monthly earnings (survey, \$)	877.7	842.6	35	59.63	1113
Average monthly earnings (administrative, \$)	520.4	494.6	25.8	37.46	1395
Number of consecutive quarters employed in first year (range: 0 to 4)	1.8	1.7	0.0	0.08	1395

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Impacts of the Center for Fathering on Well-Being

Outcome	Program group	Control group	Impact	SD	Sample size
Depressive symptoms (scale: 0 to 24)	5.5	5.5	0.0	0.35	1113
Risk of high or moderate depression (proportion)	22.0	21.8	0.2	2.34	1113
Feelings of external control (scale: 1 to 4)	1.9	1.9	-0.0	0.03	1113

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Impacts of the Family Formation Program on Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
In-person contact with children (%)	76.0	73.4	2.5	1.69	1404
Age-appropriate activities with focal child (scale: 0 to 3)	2.1	1.9	0.2***	0.05	1146
Average monthly financial support (\$)	146.7	133.5	13.2	10.00	1333
Nurturing behaviors with focal child (scale: 0 to 3)	2.6	2.5	0.1**	0.04	1146
Nonviolent discipline of focal child (scale: 0 to 3)	2.0	1.9	0.1***	0.05	948

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\*\*/\*\* Significantly different from zero at the .05/.01 level, two-tailed test.

# Impacts of the Family Formation Program on Co-Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
Being a co-parenting team (scale: 1 to 4)	2.8	2.8	0.1	0.04	1468
Positive co-parenting alliance with focal mother (scale: 1 to 4)	3.0	2.9	0.1	0.05	903
Using positive conflict behaviors with focal mother (scale: 1 to 4)	3.1	2.9	0.2**	0.06	711
Avoiding negative conflict behaviors with focal mother (scale: 1 to 4)	2.6	2.4	0.2***	0.07	711

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\*\*/\*\* Significantly different from zero at the .05/.01 level, two-tailed test.

# Impacts of the Family Formation Program on Economic Stability

Outcome	Program group	Control group	Impact	SD	Sample size
Average monthly earnings (survey, \$)	887.9	830.9	57.0	45.19	1503
Average monthly earnings (administrative, \$)	499.2	487.1	12.0	30.91	1904
Number of consecutive quarters employed in first year (range: 0 to 4)	2.0	1.8	0.2**	0.07	1904

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\*\* Significantly different from zero at the .05 level, two-tailed test.

# Impacts of the Family Formation Program on Well-Being

Outcome	Program group	Control group	Impact	SD	Sample size
Depressive symptoms (scale: 0 to 24)	4.7	5.5	-0.8***	0.29	1503
Risk of high or moderate depression (proportion)	17.5	23.1	-5.5***	1.96	1503
Feelings of external control (scale: 1 to 4)	1.9	1.9	-0.1*	0.03	1503

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\*/\*\*/\*\* Significantly different from zero at the .10/.05/.01 level, two-tailed test.

# Impacts of the FATHER Project on Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
In-person contact with children (%)	73.5	73.5	0.0	2.36	793
Age-appropriate activities with focal child (scale: 0 to 3)	2.0	1.9	0.1	0.07	637
Average monthly financial support (\$)	185.5	169.3	16.2	17.98	758
Nurturing behaviors with focal child (scale: 0 to 3)	2.6	2.5	0.1	0.06	637
Nonviolent discipline of focal child (scale: 0 to 3)	2.0	2.1	-0.1	0.07	504

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Impacts of the FATHER Project on Co-Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
Being a co-parenting team (scale: 1 to 4)	2.7	2.6	0.1	0.06	796
Positive co-parenting alliance with focal mother (scale: 1 to 4)	2.8	2.8	0.0	0.06	474
Using positive conflict behaviors with focal mother (scale: 1 to 4)	2.9	3.0	-0.1	0.08	365
Avoiding negative conflict behaviors with focal mother (scale: 1 to 4)	2.4	2.4	0.1	0.09	365

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Impacts of the FATHER Project on Economic Stability

Outcome	Program group	Control group	Impact	SD	Sample size
Average monthly earnings (survey, \$)	1318.8	1326.4	-7.7	79.43	806
Average monthly earnings (administrative, \$)	871.8	837.3	34.5	58.30	978
Number of consecutive quarters employed in first year (range: 0 to 4)	2.3	2.4	-0.0	0.10	978

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Impacts of the FATHER Project on Well-Being

Outcome	Program group	Control group	Impact	SD	Sample size
Depressive symptoms (scale: 0 to 24)	4.7	5.1	-0.3	0.40	806
Risk of high or moderate depression (proportion)	16.5	18.7	-2.2	2.58	806
Feelings of external control (scale: 1 to 4)	1.8	1.9	-0.1**	0.04	806

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\*\* Significantly different from zero at the .05 level, two-tailed test.

# Impacts of Successful STEPS on Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
In-person contact with children (%)	70.9	70.9	0.0	3.32	456
Age-appropriate activities with focal child (scale: 0 to 3)	2.0	1.9	0.1	0.10	328
Average monthly financial support (\$)	151.8	168.6	-16.7	23.45	424
Nurturing behaviors with focal child (scale: 0 to 3)	2.5	2.4	0.1	0.09	328
Nonviolent discipline of focal child (scale: 0 to 3)	1.9	1.8	0.1	0.11	267

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Impacts of Successful STEPS on Co-Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
Being a co-parenting team (scale: 1 to 4)	2.9	2.8	0.0	0.07	516
Positive co-parenting alliance with focal mother (scale: 1 to 4)	3.0	3.0	-0.0	0.09	261
Using positive conflict behaviors with focal mother (scale: 1 to 4)	3.1	3.2	-0.1	0.12	209
Avoiding negative conflict behaviors with focal mother (scale: 1 to 4)	2.4	2.5	-0.2	0.13	209

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

# Impacts of Successful STEPS on Economic Stability

Outcome	Program group	Control group	Impact	SD	Sample size
Average monthly earnings (survey, \$)	993.7	964.4	29	85.55	534
Average monthly earnings (administrative, \$)	570.7	505.0	66	48.64	745
Number of consecutive quarters employed in first year (range: 0 to 4)	2.2	2.0	0.2*	0.12	745

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\* Significantly different from zero at the .10 level, two-tailed test.

# Impacts of Successful STEPS on Well-Being

Outcome	Program group	Control group	Impact	SD	Sample size
Depressive symptoms (scale: 0 to 24)	4.5	4.5	-0.0	0.51	534
Risk of high or moderate depression (proportion)	16.8	17.5	-0.8	3.25	534
Feelings of external control (scale: 1 to 4)	1.9	1.8	0.0	0.05	534

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.

---

# Pooled HM Impacts

# Pooled HM Impacts on Relationship Quality

Outcome	Program group	Control group	Impact	Effect size
Relationship commitment (scale: 1 to 10)	9.39	9.24	0.15**	0.12
Relationship happiness (scale: 1 to 10)	7.91	7.77	0.15	0.07
Support and affection (scale: 1 to 4)	3.38	3.33	0.05**	0.10
Use of constructive conflict behaviors (scale: 1 to 4)	3.16	3.13	0.03	0.05
Avoidance of destructive behaviors (scale: 1 to 4)	2.75	2.70	0.05*	0.07

Source: PACT follow-up survey, conducted by Mathematica.

\*/\*\* Significantly different from zero at the .10/.05 level, two-tailed test.

# Pooled HM Impacts on Relationship Status and Co-Parenting

Outcome	Program group	Control group	Impact	Effect size
Married (%)	63	59	4**	0.11
Married or romantically involved (%)	90	87	2	0.15
Quality of co-parenting (scale: 1 to 4)	3.43	3.38	0.05**	0.10

Source: PACT follow-up survey, conducted by Mathematica.

\*\* Significantly different from zero at the .05/ level, two-tailed test.

# Pooled Impacts on Job and Career Advancement

Outcome	Program group	Control group	Impact	Effect size
Women's average monthly earnings, survey report (\$)	934	835	99*	0.08
Women's average monthly earnings, administrative records (\$)	778	762	15	0.01
Men's average monthly earnings, survey report (\$)	2,057	1,984	73	0.04
Men's average monthly earnings, administrative records (\$)	1,786	1,726	60	0.03

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\* Significantly different from zero at the .10 level, two-tailed test.

---

# Site-Specific HM Impacts

# Impacts of SHR on Relationship Quality

Outcome	Program group	Control group	Impact	SD	Sample size
Relationship commitment (scale: 1 to 10)	9.3	9.1	0.2*	0.09	831
Relationship happiness (scale: 1 to 10)	7.5	7.3	0.2*	0.12	965
Support and affection (scale: 1 to 4)	3.3	3.3	0.0	0.03	827
Use of constructive conflict behaviors (scale: 1 to 4)	3.1	3.1	0.0	0.03	921
Avoidance of destructive behaviors (scale: 1 to 4)	2.6	2.6	0.0	0.04	921

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\* Significantly different from zero at the .10 level, two-tailed test.

# Impacts of SHR on Relationship Status and Co-Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
Married (%)	51.2	47.7	3.5*	1.90	965
Married or romantically involved (%)	86.7	84.8	1.9	2.19	965
Quality of co-parenting (scale: 1 to 4)	3.4	3.3	0.1***	0.03	965

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\*/\*\*/\*\* Significantly different from zero at the .10/.05/.01 level, two-tailed test.

# Impacts of SHR on Job and Career Advancement

Outcome	Program group	Control group	Impact	SD	Sample size
Women's average monthly earnings, survey report (\$)	1,063	939	124*	75.52	938
Women's average monthly earnings, administrative records (\$)	859	749	110	85.75	691
Men's average monthly earnings, survey report (\$)	2,079	1,864	215**	104.03	867
Men's average monthly earnings, administrative records (\$)	1,752	1,493	259*	137.36	699

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\*/\*\* Significantly different from zero at the .10/.05 level, two-tailed test.

# Impacts of HOME Program on Relationship Quality

Outcome	Program group	Control group	Impact	SD	Sample size
Relationship commitment (scale: 1 to 10)	9.5	9.4	0.1*	0.08	494
Relationship happiness (scale: 1 to 10)	8.3	8.2	0.1	0.14	535
Support and affection (scale: 1 to 4)	3.4	3.4	0.1	0.04	494
Use of constructive conflict behaviors (scale: 1 to 4)	3.2	3.2	0.0	0.04	530
Avoidance of destructive behaviors (scale: 1 to 4)	2.9	2.8	0.1	0.05	530

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\* Significantly different from zero at the .10 level, two-tailed test.

# Impacts of HOME Program on Relationship Status and Co-Parenting

Outcome	Program group	Control group	Impact	SD	Sample size
Married (%)	74.4	69.6	4.8*	2.81	535
Married or romantically involved (%)	93.1	90.1	3.0	2.55	535
Quality of co-parenting (scale: 1 to 4)	3.5	3.4	0.0	0.03	535

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

\* Significantly different from zero at the .10 level, two-tailed test.

# Impacts of HOME Program on Job and Career Advancement

Outcome	Program group	Control group	Impact	SD	Sample size
Women's average monthly earnings, survey report (\$)	806	732	74	65.70	520
Women's average monthly earnings, administrative records (\$)	696	775	-79	125.52	341
Men's average monthly earnings, survey report (\$)	2,037	2,106	-68	130.18	486
Men's average monthly earnings, administrative records (\$)	1,821	1,960	-139	169.19	374

Note: SD = Standard deviation

Source: PACT follow-up survey, conducted by Mathematica.

None of the impacts are significantly different from zero at the .10 level, two-tailed test.