## Project Connect: A Pilot Study Using Social Networks of African American Women With Cardiovascular Disease to Recruit African American Men Into Health Studies

Darcy Saffar MPH, Steven J. Keteyian PhD, Matthew A. Saval MS, Meredith Mahan PSM, Denise White-Perkins MD PhD Institute for Multicultural Health and Division of Cardiovascular Medicine, Henry Ford Hospital, Detroit, MI.

ABSTRACT


METHODS
Recruitment of AA females with CVD:
One tundred fifieen female African American graduates of the Henry Ford Hospital
phase II Cardice Rehabilitation program were contacted via reervitment teters and


1. Age $\geq 21$ years.
2. Diagnosed with CVV or a CVD-relaled event within the past year
3. Completed the Cardiac Rehabilitation program within the past six
monith.
months.
4. Absence of congenital heart conditions, valvular conditions, ventricular
assisive devices, intusion therapy, and or non-ischemic cardiomyopathy. At study intake visits, females completed the following surveys and were asked to
reter A A males for prevenive heatits screenings:

- Friend and Famiv Member Referral Forr

Sickness Impact Profile
Social Network Index (SNI)
Recruitment of AA male family and friends:
Thity six $A$ male friends and family members ( $F$ M) who had been referred by $A A$
females with known CVD came for a preventive healh screening vist that included: Blood pressure measurement. Height and weight measurements used to calculate Body Mass Index
(BM). Demographic survey. Relationships and family heallh history survey.
Compensation:
All participants, female and male, received $\$ 25$ cash for completing the visit.
Statistics:
Data is reported as mean $\pm$ standard deviaion (SDD in the atables. Wiloxon two-
sample test was used to compare female referral rates by social network size.


RESULTS
Activity flow chart and recruitment numbers are shown in Figure
Figure 1. Overview of Recruitment Process

(3\%) Male FM with
35 (97\%) Male FM with
abnormal screen
Recruilment rate of females into this pilot study using traditional mail and phone
connact was $17 \%$; in comparison $68 \%$ of male $F M$ were recruited int o preventive contact was $17 \%$; in comparison $68 \%$ of male Fm were recruite
health screenings using the female social newwor (Figure 1 ).
Table 2 shows female and male FM demographics.

|  | Female ( $\mathrm{n}=19$ ) | Friends and Family Members $(n=36)$ |
| :---: | :---: | :---: |
| Age, year | ND | 43さ15 |
| Female gender, n (\%) | 19 (100) | 0 (0) |
| Black race, n (\%) | 19 (100) | 36 (100) |
| Size of social network, mean (SD) mean (SD) | $17.9 \pm 14.9$ | N/A |
| Referrals mean, (SD) | $2.8 \pm 1.2$ | N/A |
| $\begin{aligned} & \begin{array}{l} \text { FM biologically related to } \\ \text { female } \mathrm{n},(\%) \end{array} \\ & \hline \end{aligned}$ | N/A | 20 (56\%) |
| FM and female live together n , (\%) | N/A | 26 (72\%) |
| $\begin{aligned} & \text { Years living together } \\ & \text { mean, (SD) } \end{aligned}$ | N/A | $15.9 \pm 14.9$ |
| BM, kg.m. ${ }^{\text {2 }}$ | N/A | $28.7 \pm 6.3$ |
| CR=Cardiac Rehabilitation. BMI=Body Mass Index. SD=Standard Deviation $\mathrm{n}=$ number. |  |  |
| 97\% of FM were at moderate-high risk for CVD with at least one modifiable risk factor (Table 3). |  |  |
| $92 \%$ of FM were at high risk (Table 3). | with two or m | fiable risk facto |

RESULTS (CONTINUED)


Females with larger scial networks (SN1 score $>17$ ) tended to refer more family
members tor health scrienings (Figure 2).


CONCLUSIONS/DISCUSSION
The wide ififerencee between traditional and networked recruitment rates, 1 ,
and $68 \%$ respecively, suggest that use of social networks would be an
 efficient recruitm
American men.
Civen the success of this recritment technique and its abilif to ideniify those
 Use of social networks may have recuitment applications in future research
trial that enrol $A$ A men. A A imitation of this stucy was that recruitment techniques were not randomized, and such studies are warranted. Our pilot data suggest that targeting females with larger social networks may
ncrease referalsis.

Monetary compensation did not explain greater enrolment rates of FM
 REFERENCES


