Children’s Hospital of Michigan SAIFE Program

Sue J. Smith, RN MSN
Roberta L. Davis, BS
Why?

Why we do what we do in Detroit...

**RISK, RISK, RISK**

- 27% of all fire deaths in Michigan occur in Detroit

- In 2004 in Michigan 94 fires took 119 lives (only 17% of those homes had functioning smoke alarms)

- Detroit Fire Department estimates Detroit homes have an even lower incidence of functioning smoke alarms (closer to 10%)
The #1 Reason
We Do What We Do...
Children’s Hospital of Michigan
Smoke Alarm Program

- Developed in 2000
- Worked collaboratively with the fire department
- Totally volunteer driven

Program included:
- ✓ home assessment
- ✓ school education
- ✓ installation of smoke detectors
- ✓ parental education in the home
Target Population

Anyone who DOES NOT have a functioning smoke alarm on EACH floor of their home!
Methods

- A Fire/Burn Home Safety Survey and Smoke Detector Request Form was developed.

- The safety surveys are filled out by the families before the smoke alarm is installed.

- Appointments are set to install smoke alarms (cluster homes for installation).

- Smoke alarm is installed and on-site education done.
Results

Pre-Installation

The pre-installation safety surveys showed that 96% of families who filled out the survey did not have functioning smoke alarms in their homes.
Implementation

- A team of two or three volunteers go into the family’s home to provide the service.

- On site education is provided.

- At least one long-life lithium battery smoke alarm is installed on each floor.
The family is taught to:

- set up an escape plan, including ONE meeting place
- test their smoke alarms each month
- practice the escape plan each month when they test their smoke alarms, using a different room to escape from each month
Follow Up

Six months following the smoke alarm installation phone calls are made to 100% of the program families and follow-up questions are asked.

10% of homes are revisited in person.

Most difficult part of follow up data collection.
Follow-Up Questions

At the six month follow-up phone survey families were asked the following questions.

1. Have you tested your smoke alarm to make sure that it is working?
2. How often do you test it?
3. Have you developed an escape route?
4. Have you practiced it?
5. Where is your meeting place?
Results
Post-Installation

Follow-up calls have been made to 2,467 program families.

The results are as follows:
- 89.7% test their smoke alarms monthly.
- 67% have developed an escape route.
- 56% of those with an escape route have practiced it.
Research Into Practice

Since the results of our follow-up surveys showed an increase in knowledge and in practice we implemented city wide smoke alarm installations two times a year as well as mini installations done monthly.
Issues

- Transient population
- Economy/Foreclosures
- Rental properties
- Number of homes without utilities
- Heating mechanisms
- Recruiting volunteers
Lessons Learned

- **Cordless Drills**
- Use masonry bits/use drywall screws
- What to wear and not wear when installing
- When to make phone calls to set up the installation
- Document times you tried to contact families on installation day
- Over schedule the number of homes for installation
## Installation Statistics

<table>
<thead>
<tr>
<th></th>
<th>Total Till CDC</th>
<th>Total Since CDC</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homes</td>
<td>1,319</td>
<td>7,067</td>
<td>8,386</td>
</tr>
<tr>
<td>Children</td>
<td>2,850</td>
<td>14,277</td>
<td>17,027</td>
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<tr>
<td>Adults</td>
<td>2,413</td>
<td>12,011</td>
<td>14,424</td>
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<tr>
<td>Seniors</td>
<td>559</td>
<td>2,940</td>
<td>3,499</td>
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Children’s Hospital of Michigan has SAVED 39 lives (self reported) since the CDC SAIFE grant was implemented
Partners

Northridge Church
House of Prayer and Praise
International Free Masons
State Farm
Schools
CHM staff
Boy Scouts of America
Rehab Detroit
Detroit Fire Department
Hamtramck Fire Department

City Mission
City Year (Americorp)
Boys and Girls Club
Sigma Sigma Sigma
Ford Motor Company

FAMILY
FRIENDS
Future Plans and Goals

- Continue to work within our “Hot Spots” growing their borders each year
- Institute city-wide EDITH—It only took us 5 years but we will do it this year
- Continue to build our volunteer core
- Build additional collaborations w/agencies/organizations
- Continue to work with schools/churches to protect their members
- Set up “A Block at a Time” smoke alarm installations
- Since the inception of the CDC SAIFE grant we have also obtained monies to put CO alarms in each of our program homes
Conclusion

Our results show that when one on one education and demonstration are provided along with the tools needed to practice the desired action, there is an increase in compliance for checking and maintaining smoke alarms and even the development and practicing of an escape plan/map.

Why?
We believe it is the personal education!
ANY QUESTIONS?