



FIRE
APPARATUS
MANUFACTURERS'
ASSOCIATION

A WORLD OF OPPORTUNITIES





Community Risk Reduction (CRR)





Community Risk Reduction (CRR) May Not Be What You Think It Is...



Our Approach



Getting Ahead Of The Call



Community Risk Reduction (CRR):

A process to identify and prioritize local risks, followed by the *integrated* and strategic investment of resources (emergency response and prevention) to reduce their occurrence and impact.

Community Risk Reduction

Getting Ahead Of The Call

Integrate emergency operations and prevention/mitigation strategies to improve public safety outcomes. Understand the importance of matching the right solution to the problem.

What is the Essence of CRR?

- Data Collection and Analysis
- Outcome vs. Output

Our Approach

Integrated **Community Risk Reduction**

Coordinates emergency operations with prevention and mitigation efforts—community wide (partnerships) and ideally at the **station level.**



CRR is not a new concept...

- Has been done for several years with much success in:
 - United Kingdom (Mandated by Law)
 - New Zealand
 - Australia
 - Canada
- CRR has also been done in the US— increasing but still far to go.

CRR in the United States...

- Edmonds, WA
- Philadelphia, PA
- Tucson, AZ
- Tualatin Valley, OR
- Palm Beach County, FL
- Rio Rico, AZ
- SBM Fire, MN
- Illinois
- Tennessee



Risk Assessment for Deployment

Incident data

Frequency

Location

Risk Assessment for Prevention

All of the Above

Demographics

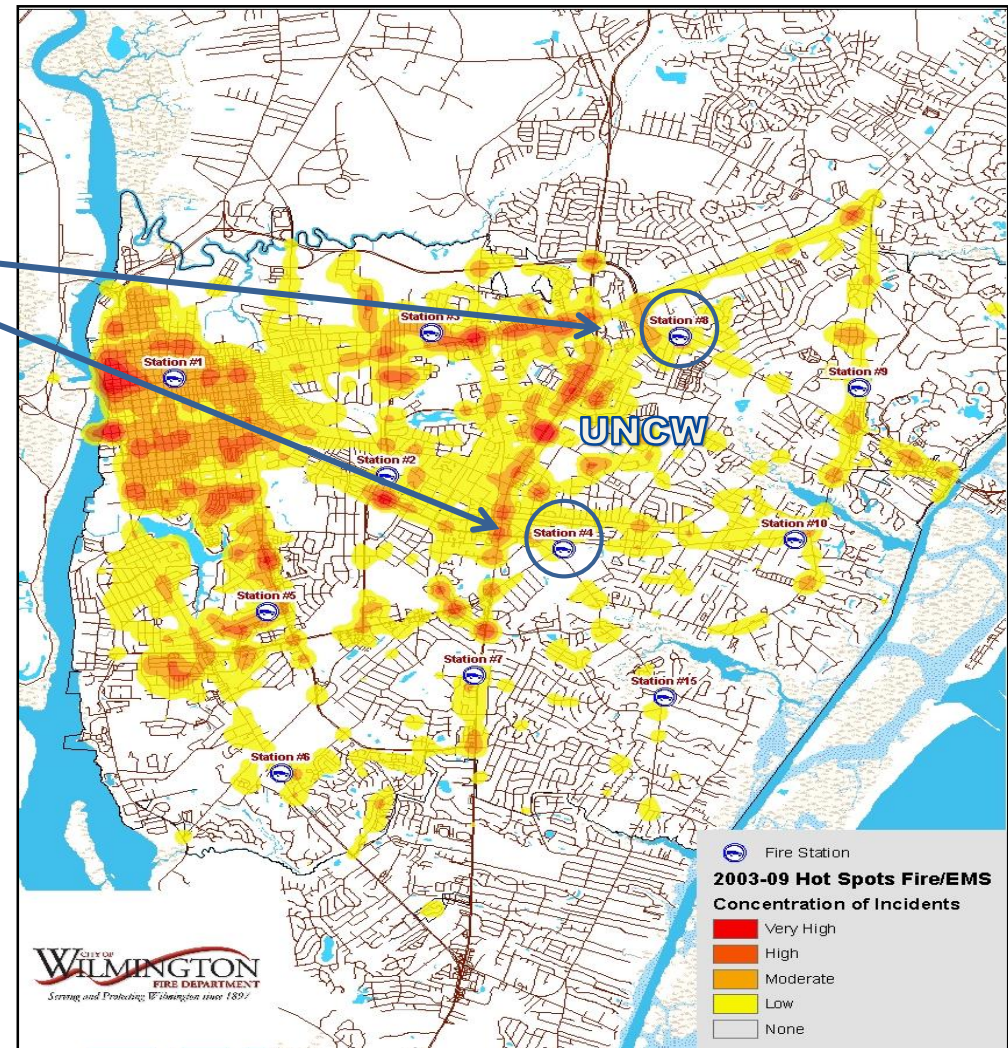
Psychographics?

Wilmington, NC

Fire stations serving
the University of
North Carolina–
Wilmington:

Stations 4 & 8

*Risks may vary based on
housing & demographic
data*



Five Types of Prevention/Mitigation Strategies

The Five E's

EDUCTION

EGINEERING

ENFORCEMENT

ECONOMIC
INCENTIVE

EMERGENCY
RESPONSE



What is CRR for FEMSA/FAMA?



COMMUNITY CARE RESPONSE UNIT



New Concept In EMS Patient Care

- Combining a Captain Paramedic/Nurse Practitioner in the field
- Respond on Low Acuity calls
- Non-transport
- Provides a higher level of care in the field



CAPABILITIES IN THE FIELD

- Both BLS - Basic Life Support and ALS - Advanced Life Support are designed to perform a higher level assessment & care in the field.
- Bandage
- Suture
- Clean wounds
- Prescribe medications
- ISTAT- Blood Analysis
- Involve Primary Care/ Urgent Care Facilities



OPERATING PROCEDURES WITHIN THE SCOPE OF PRACTICE OF THE NP AND TREATED BY CCRU

1. Back pain
2. Wound care – suturing/skin tears
3. Minor Falls
4. Infectious disease:
 - Otitis Media- Ear Infections
 - Sinusitis
 - Pharyngitis
 - Bronchitis
 - Asthma
5. Social service calls



WHAT HAVE WE LEARNED IN THE FIRST 24 MONTHS?

- ALS units released after CCRU patient contact – **83%**
- Frequent C/C– **Weakness, Falls, Nausea and Anxiety**
- Percent of patients not transported to the ER – **57%**
- Average on scene time for the CCRU – **30 minutes**
- Frequent Medications Given – **Zofran, Tordol, Rocephin**
- Total Patients Treated – **545**
- Total Number of Dispatches – **1709**
- Savings - **\$3,500 per patient not transported**
- Increase in ALS/BLS coverage



Promote CRR Concepts

Possible Paths Forward



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FEMA



Fire is
Everyone's
Fight™

<http://www.usfa.fema.gov/prevention/outreach/fief/>

About Us

Vision 20/20 is hosted by the Institution of Fire Engineers, USA Branch

It grew from a grassroots effort to provide a forum for sustained, collaborative planning to reduce fire loss in the United States



Major funding since inception in 2008 for the project is from
the *FEMA Assistance to Firefighters Grants*

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THANK YOU