

Safety: A Key Principle For A Healthy Home

2011 National Healthy Homes Conference

Rebecca Booker

***Spring Lake Park-Blaine-Mounds View Fire
Department
Minnesota***





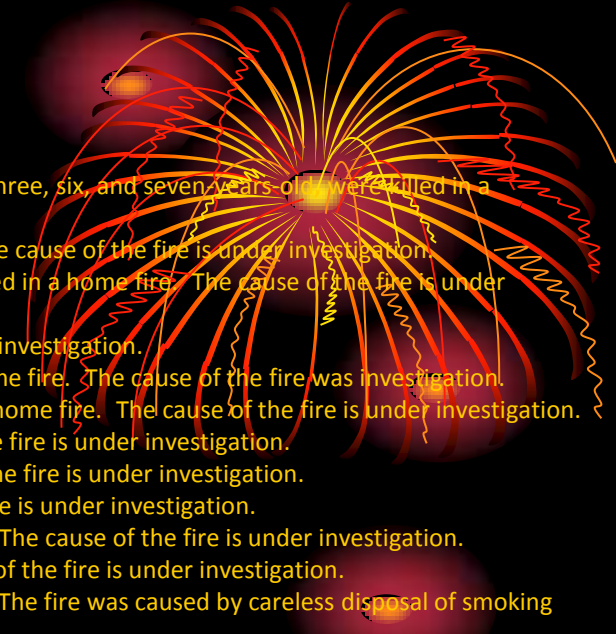
What are we up against?



- **92%** of all people who die in fires, die in their homes
- **77%** of all structure fires occur in residential properties
- **Nation-wide, a civilian fire death occurs every 156 minutes**

Monday, March 8

- 5 dead – Occurred Saturday, 3/6 – Marion Junction, AL (Montgomery, AL): A man, woman and three children, ages three, six, and seven years old, were killed in a manufactured home fire. The cause of the fire is under investigation.
- 2 dead – Occurred Monday, 3/8 – Long Beach, CA (Los Angeles, CA): An elderly couple were killed in a home fire. The cause of the fire is under investigation.
- 2 dead – Occurred Sunday, 3/7 – Greenfield, OH (Cincinnati, OH): Two boys, ages three and four-years-old, were killed in a home fire. The cause of the fire is under investigation.
- 2 dead – Occurred Sunday, 3/7 – Lafayette, IN: Two people were killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Monday, 3/8 – Tishomingo, OK (Sherman, TX – Ada, OK): A 60-year-old woman was killed in a home fire. The cause of the fire was investigation.
- 1 dead – Occurred Monday, 3/8 – Greenwood, SC (Greenville, SC – Asheville, NC): A 65-year-old man was killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Monday, 3/8 – Houma, LA (New Orleans, LA): A person was killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Monday, 3/8 – South Bend, IN: A 51-year-old man was killed in an apartment fire. The cause of the fire is under investigation.
- 1 dead – Occurred Monday, 3/8 – Veneta, OH: A person was killed in a manufactured home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Monday, 3/8 – Lower Frankford Township, PA (Philadelphia, PA): A man was killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Monday, 3/8 – Scottsville, VA (Charlottesville, VA): A person was killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Sunday, 3/7 – Manhasset, NY (New York, NY): A 63-year-old man was killed in an apartment fire. The fire was caused by careless disposal of smoking materials.
- 1 dead – Occurred Sunday, 3/7 – Oak Orchard, DE (Salisbury, MD): A man was killed in a manufactured home fire. The cause of the fire is under investigation. The home had no working smoke alarms.
- 1 dead – Occurred Sunday, 3/7 – Lafayette, IN: A 59-year-old woman was killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Sunday, 3/7 – Henrico, VA (Raleigh – Durham, NC): A person was killed in a home fire. The cause of the fire is under investigation. Officials believe the fire started in the kitchen.
- 1 dead – Occurred Sunday, 3/7 – Chaparral, NM (El Paso, TX): A four-year-old girl was killed in a home fire. The cause of the fire is under investigation. The victim was found in a closet hiding from the flames.
- 1 dead – Occurred Sunday, 3/7 – Oneida, KY (Lexington, KY): A 23-year-old man was killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Sunday, 3/7 – St. Cloud, MN (Minneapolis – St. Paul, MN): A 42-year-old man was killed in a home fire. Officials believe the fire was caused by careless smoking.
- 1 dead – Occurred Saturday, 3/6 – Winfield, KS (Wichita – Hutchinson, KS): A man in his 50s was killed in an apartment fire. The cause of the fire is under investigation. The apartment had no working smoke alarms.
- 1 dead – Occurred Saturday, 3/6 – St. Charles, MI (Flint, MI): A 39-year-old woman was killed in an apartment fire. Officials believe the victim fell asleep while cooking. The apartment had no working smoke alarms.
- 1 dead – Occurred Saturday, 3/6 – Perkins Township, OH (Youngstown, OH): A 38-year-old woman was killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Friday, 3/5 – San Jose, CA (San Francisco, CA): An 87-year-old woman killed in a home fire. The cause of the fire is under investigation.
- 1 dead – Occurred Friday, 3/5 – Fredericktown, OH (Youngstown, OH): A 45-year-old man was killed in a manufactured home fire. The cause of the fire is under investigation.



Common Threads?



What I see-

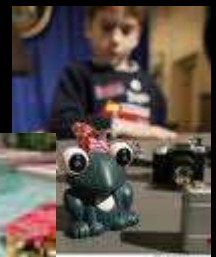
- **Elderly**
- **Children**
- **Disabled**
- **Manufactured homes**
- **Homes in general**

Cooking, radiant heat/fire, grease fires, electrical fires, poisoning, combustibles too close, EDITH, falls/trips, mold, proper house numbering, FE use, scalds and burns, smoking, CO, alarms, candles, lighting, heating, dryers, child safety, juvenile arson, flammable liquids use, radon



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FOR A CONSULTATION

Juvenile



Home Safety Survey-12 years ago

Out of the ash of fires....



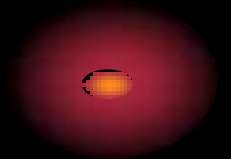
Home Safety Survey



What Happened Next?



- **You have everything done**
- **You have advertised**
- **You have trained your people**
- **You have the tools**
- **....but they didn't come??????**

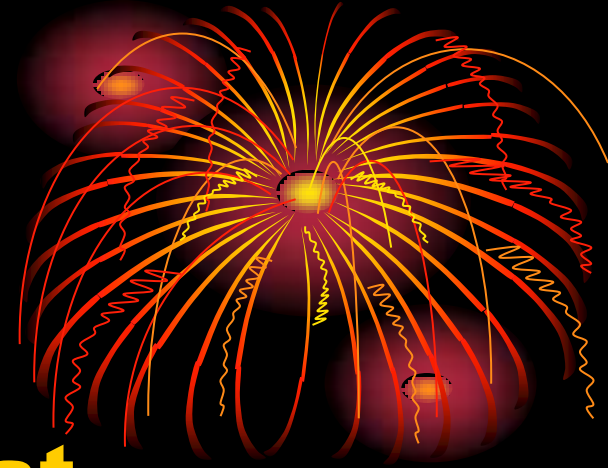


Who Backs this Idea?

- **NFPA 1452**
- **CDC and National Center for injury Prevention and Control**
- **Tri Data Report-a commissioned report of 10 nations**



England's Story



1999- What happened that changed the fire service forever there?

- **Home Checks**
- **Community Partnerships**

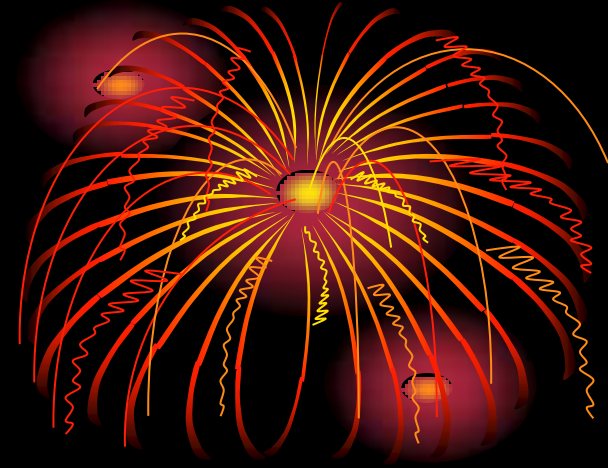


Partnerships; Who Can You Use?



- **Health Department-Radon, lead, mold, CO**
- **Injuries- Falls, trips, guns, choking, drowning**
- **ESL, Schools, Churches**
- **Battered Women Shelters**
- **Crime**
- **EMS**

The Results of 11 Years?



- **Home Visits in England**
- **At the Spring Lake Park-Blaine-Mounds View
Fire Department?**





Again, What Solutions is there for Public Health, Crime, Injuries and Fire Issues?

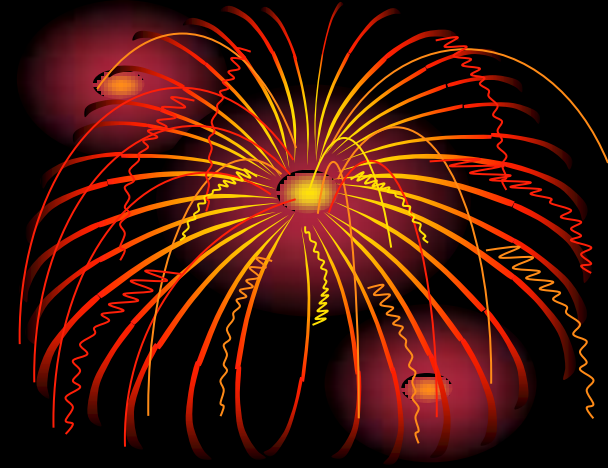
- **Get in the homes**
- **Establish community partnerships**

**Men, women, children, and
those with special needs
burn to death in their
homes**



Thank you!

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SAFETY: A KEY PRINCIPLE TO HEALTHY HOMES

Angela Mickalide

Andrew Gilbert

Rebecca Booker

6/21/2011

2011 National Healthy Homes
Conference



The Power Of Collaboration

Overview



- A Public Health Perspective
- Changing Paradigms
- Building Collaborative Networks
- Example: Radon in Minnesota

A Public Health Perspective

- MDH Mission
 - ▣ “Protecting, Maintaining, and Improving the Health of all Minnesotans”
- Education
- Research
- Outreach and Stakeholder Engagement
- Innovation and Improvement
 - ▣ Not business as usual

Changing Paradigms



- Shifting focus, resources, and environments
 - ▣ No longer able to operate within “silos”
 - ▣ Traditional approaches are no longer as effective
 - ▣ The low-hanging fruit is gone

- What are public health officers to do?

Focus on Shared Goals

- Identify stakeholders with shared goals, interests, or venues.
 - ▣ Example: Weatherization Work and Rn Testing

- Start the conversation

- Identify goals → Create action plan → Implement → Assess → Improve (and include others)

Shifting Focus



- Moving to:
 - ▣ Protection- Public Health
 - ▣ Prevention- Fire, Crime, Healthcare, Public Health, etc.
 - ▣ Deterrence- Crime

- Not:
 - ▣ Treatment- Healthcare
 - ▣ Suppression- Fire
 - ▣ Enforcement- Crime

Justification



- Why make this change?
 - ▣ BECAUSE IT MAKES SENSE!
 - ▣ Stop the problem from occurring in the first place and you save time and money, achieve better results, address problems in ways that minimize risks to stakeholders.

The MDH Radon Program



- 2008

- Three Year Mission
 - Reduce the indoor radon risk in Minnesota by increasing the number of new homes built with radon reducing features and improving contractor competence while developing dynamic partnerships with community based action groups in the housing, medical and government sectors.

- Present

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The Expert Network Academy

Angela D. Mickalide, Ph.D., MCHES
Director of Research and Programs

2011 National Healthy Homes Conference
Denver, Colorado
June 21, 2011



Home Injury Prevention Works

- **Despite high rates of mortality and morbidity:**
 - **Injuries are preventable**
 - **Interventions are proven to be effective**
 - **Cost savings can be shown**

Home Safety Research

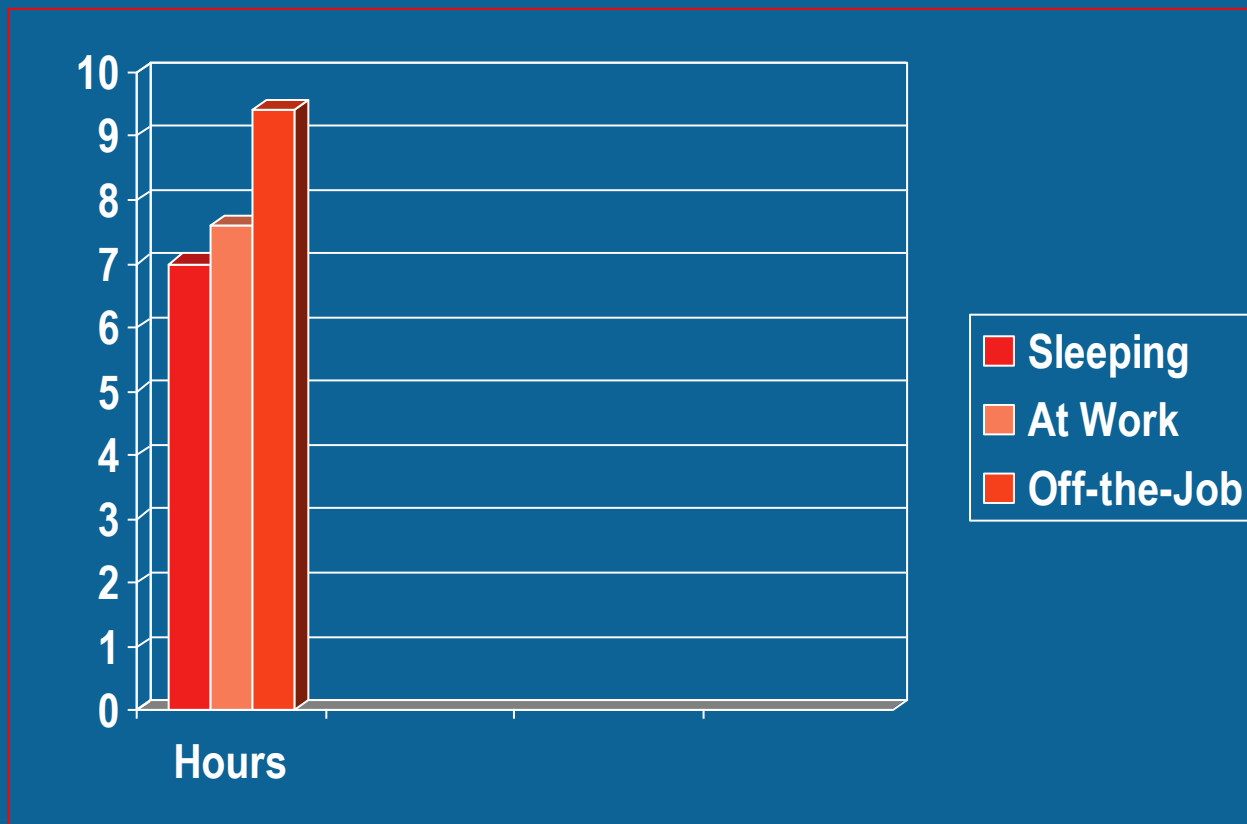
Table 1.1. Unintentional Home Injury Deaths. Average Annual Number, Percentage and Rate (per 100,000 persons), All Causes, U.S., 1992-1999.

Cause of Death	Number	Percentage	Rate
Fall	5,961	33.0	2.25
Poisoning	4,833	26.8	1.83
Fire/Burn	3,402	18.8	1.29
Choking/Suffocation	1,092	6.1	0.41
Drowning/Submersion	823	4.6	0.31
Firearm	590	3.3	0.22
Natural/Environmental	427	2.4	0.16
Struck By/Against	285	1.6	0.11
Miscellaneous	230	1.3	0.09
Unspecified	215	1.2	0.08
Machinery	127	0.7	0.05
Cut/Pierce	60	0.3	0.02
Overexertion	3	<0.1	<0.01
Motor Vehicle	0	0.0	0.00
Pedal Cyclist, Other	0	0.0	0.00
Pedestrian, Other	0	0.0	0.00
Transport, Other	0	0.0	0.00
TOTAL	18,048	100.0	6.83

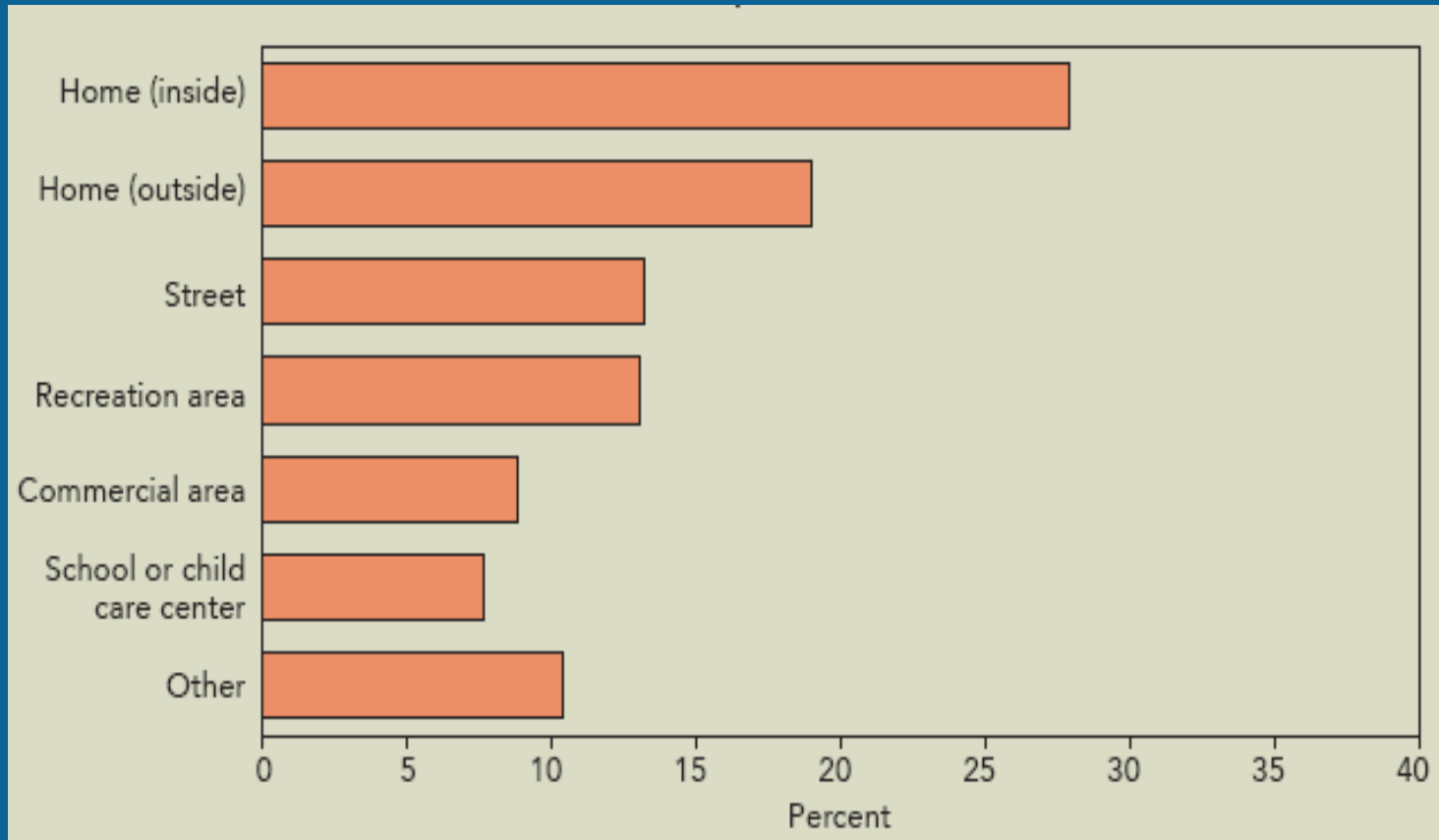
Data Source: National Vital Statistics System, 1992-1999.

Why Home Safety?

- The average American spends 40% of his or her day at home or engaged in leisure activity.



Half of All Injuries Occur at Home



Expert Network Academy



Expert Network Academy

- Free online tools and guidance to help fire departments and other safety advocates reach their communities with lifesaving safety messages.



Expert Network Academy

- At your fingertips and on-demand, you'll find individual self-instructional modules on all the leading causes of accidental home injury deaths.



Expert Network Academy

- Plus, links to free downloadable resources, PowerPoints, lesson plans, other sources for additional data and help are just a click away...and it's FREE!
- www.homesafetycouncil.org/Academy

Modules

- **Introduction to Injury Prevention**
- **Falls Prevention**
- **Poisoning Prevention**
- **Fire and Burn Prevention**
- **Airway Obstruction Prevention**
- **Water Safety**
- **Disaster Preparedness**
- **Program Evaluation**

Archived Webinars

- **Overview of the Expert Network Academy**
- **Juvenile Fire setting Intervention**
- **Prevention, Protection and Detection Technologies for Fire Safety**
- **Reaching Special Populations**
- **Strategies to Enhance Public Education**

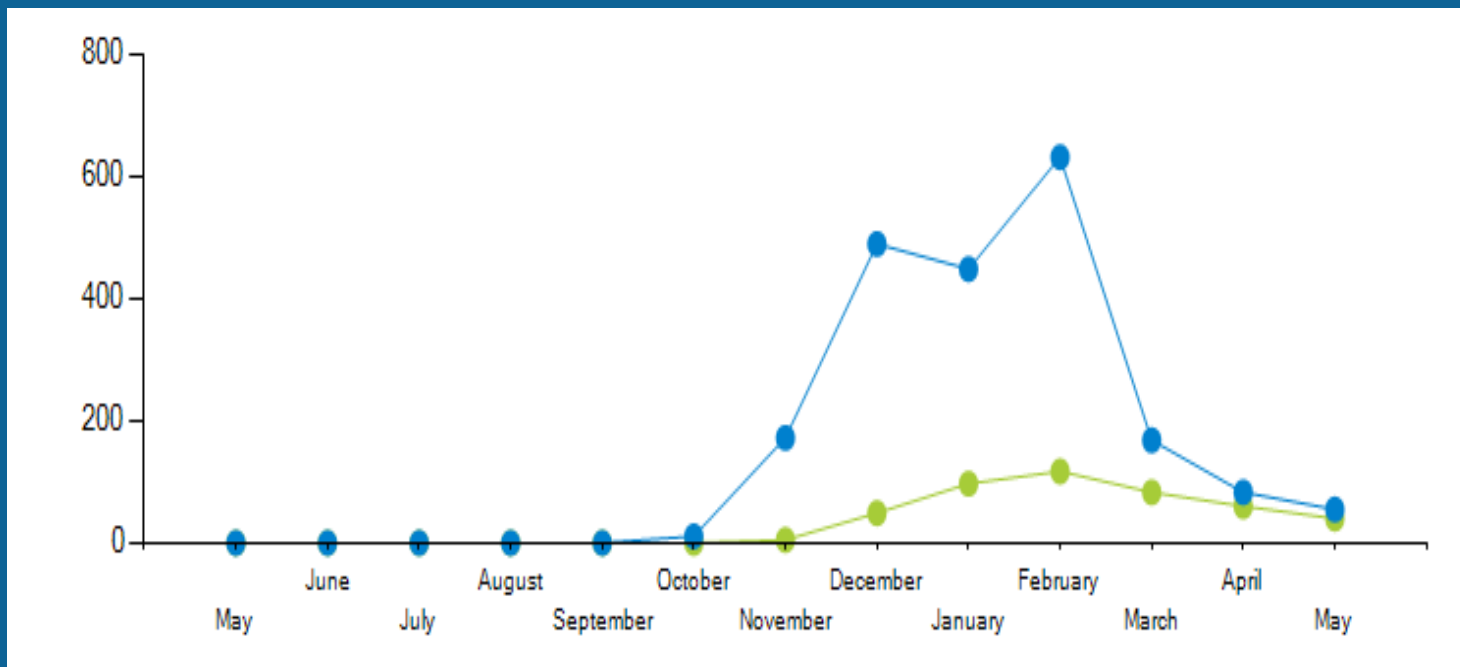
Expert Network Academy Coaches

- Are working individually with students to ensure a meaningful learning experience and to support the students' needs for further information.
- Participated in Webinars and share experience and insight through varied communication vehicles.



Enrollment as of May 31, 2011

- 2057 total enrollments



Contact Information

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Thank You!

