

PUBLIC INFORMATION, EDUCATION & RELATIONS STRATEGIES

Fire Services Indaba, Cape Town

31 October 2013

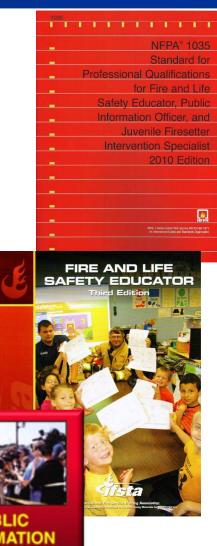
The Transition

- iGoli transformation in Johannesburg
- NFPA World Conference 2000
- Chief Ed Kirtley, Chairperson of NFPA 1035
- Conducted first Fire & Life Safety Educator Training (NFPA 1035) in JHB & CT in 2000
- Presented PIER concept at various SAESI conferences
- Conducted PIO Training 2003
- PIER Divisions established in CoJ & Ekurhuleni, Fire & Life Safety Educator Division in CT



Professional Standard (NFPA 1035)

- The 2010 edition of the NFPA 1035 identifies the levels of professional performance required for public fire and life safety educators & public information officers.
- IFSTA provides training materials for implementation of the standard and professional development of personnel (FLSE I, II & III, PIO)





P.I.E.R. Strategy





Public Information Public Education Public Relations



PIER Philosophy

Goal #1: Increase awareness of FD services and operations



PIER Philosophy

Goal #2: Develop positive perception of FD - its services, programmes and people

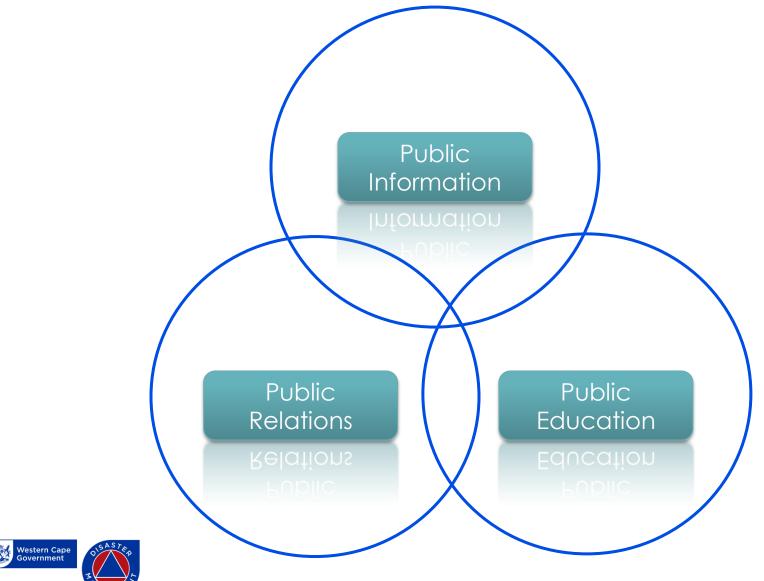


PIER Philosophy

Goal #3: Reduce cost of reactive services through effective proactive services



P.I.E.R. Strategy



© Western Cape Government 2012 |

Public Information

- Media services (Incident Command)
- Pro-active release of information on activities
- Keeping the public informed (Incidents & warnings)
- Preparedness, awareness & prevention



Public Relations

- Creates strong connections to the community
- Telling our story
- Focus on the public's 'WIIFM'
- Promotes the good things about our government more than 'spin' control
- Answers negative perceptions



Public Education

- Focuses on change in behaviours and environment
- Targets highest risk/problem areas
- Built on community/government relationships
- Builds on public information and public relations foundation

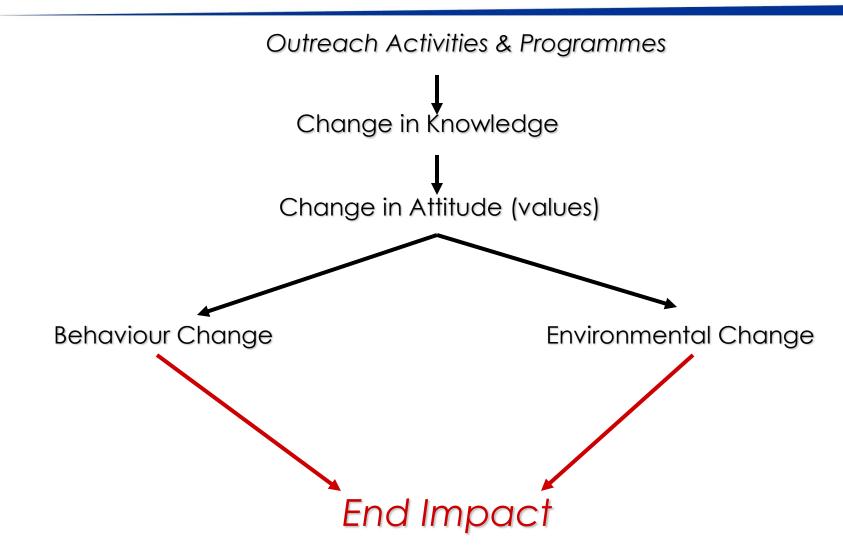


Elements of Successful PIER

- Integrated government strategy
- Commitment of resources to PIER
- Strong community/neighborhood involvement & partnerships
- Build customer service orientation
- Strong media partnership
- Pro-active philosophy with information
- Accept that change takes time



Prevention Model of Change

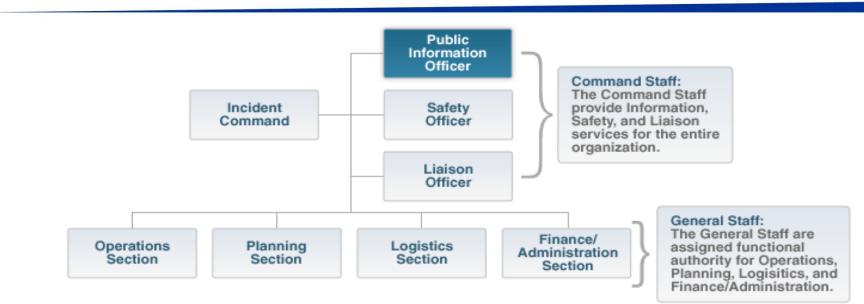




P.I.E.R. Programmes & Activities



PIO & ICS











Positive Media Exposure



Fire fighting youths



Nation Harmone, Lukene Taurital and Rappinese National outside the Plantas Park Part affice, where the cadets get baloed in basic free-fighting every Seturday.

Planks Park - The Florida Park flor do- Both have been accoled in the cakes propermissi is pring servely medient within the granme every 2001 and agree that joining the community by shaping them the minds of programme was senably a 500 changing reportuger. Nation believes that the programme The Callets Pergenment is a seriese maning infimed him a fature that could observe on have

programmente Bast emailitien gelch and hoyse from agess beaut passaddint 12 to 18 to be training dist biasic flow, first and, removes "The code and shifting techniques.

reacus, delling and as well as offering skills throughout hits watering through other NOO's such as lares

1.04 at the academy with two of the vallets heing the chance to build a career and this is more than mained as fully finiged few-fighteen.

According to Califu manager Lulama Taumi. The califu program the main aim of the cades programme is to at the hegening of each year the cades are encourage the yearh to become event of their selected from the secondary communities.

"It teaching and tenning the stations about cadets are doubled into various rank attachment have safety we are stabilized a taw generation of according to three time open as a coder. sponshie etterne

Turthermore we also acopte inless and offer taskes for their hard work," says Tamon. sever opportunities to the emergency services

"For this reason we are very proad of our tasy add graduates, Niehen Hermanus and Hap- londers and they callot officers which are the more, what are conversity being instead as practice of both Nathan and Eleppinson See California."

For both Nathan and Happeness the analistus-For more information on the cadets next a centr opportunity after completing graining planer contact the Florida Park Part made 12

"The cadets mught me discipling and in reliable skifts J that like I are part of a family and The Cadeta concept came about in 2004, where that is the best part of being part of the cadeta." the Florida Pier (Public Information, Education | Nappiness sum that being piet of the codes and Relation office) see the need to train schedule, programme means being taught how to help studeen in the community is basic firs, first and, others. His bearing that she can take with hor

"Being part of the Ladets has opened doors for I can add fire." its in other with a store of and

Collete are between 12 and 28 proce chil, and

"We have various marks so as to reward out

The new monute train for loss to five months and will be known as justice cadeta. The sear rank is assure station, then rade

The cable tion every Saturday.

+Elve ver #11 159 3030.

Teaching people how to fight deadly shack fires

'It takes a

to run into a

burning

building

4 CITY PRESS CAUTENG 21 SEPTEMBER 2008

EMILY VISSER has experienced many shack fires

in his young life; he thought he

knew how to treat burn wounds.

his community - Zambuk oint-

ment, Colgate toothpaste, Sun-

light liquid or even cooking oil to

Today Kgatla knows better. After completing a four-day volun-

teer course with Joburg's emer-

gency management services

in

Re

sponse Team, the group will also

be part of the increasing numbers

of Joburg residents who will be do

ing volunteer work during the

happened here today. We learned

so many things," confirms Lucky

head of the service, says the volun-

Dr Audrey Gule, the executive

"We are so excited about what

made the injury even worse.

(EMS), he knows what to do.

"You only put on

Kgatla and 299 oth-

cold water," he says.

er residents of Alex

were formally wel-

comed into the EMS

family when they

passed to become official EMS volun-

teers at the service's

Martindale recently.

World Cup in 2010.

Moagi, Kgatla's friend

As a Community

headquarters

Emergency

teers ran three programmes and that community members can get GEORGE Kgatla from Alexandra involved by joining the community response teams.

The volunteers will be working at the Basic Emergencies, Safety He would have applied any one and Fire Education Centre (Beof the romedies commonly used in safe) in Alexandra. If a fire breaks out, they will help form bucket brigades and stop the fire in its tracks before, hopefully, a life or too treat the wound. But it would have many possessions are lost.

EMS also had a group of 500-volunteer fire-fighting emergency medical technicians, trained to do basic life support and fire fighting and a professional reservist corps consisting of people who had re tired or left the medi-

cal and emergency field, but who still wanted to give back to special person the community.

These volunteers had joined a very spesaid.

"It takes a special person to run into a burning building while others run from

There are six Besafe Centres in Joburg - in Alexandra, Dube, Berea, Orange Farm, Ivory Park and Florida Park. All volunteer training is free of charge and is open to individuals and companies. For more information on becom ing an EMS volunteer contact the service's public education divi sion on 011 758 5050. - Johannes burg News Agency



MOCK UP . . . Firefighting volunteers demonstrate how to treat a shack fire victim. The Johannesburg Emergency Medical Services offers free courses to individuals and firms Picture: Samantha Simons



52-2EP-2008 11:02 FROM: DUBECENTRE 9821683

THE PARAFFIN SAFETY ASSOCIATION OF SOUTHERN AFRICA PROMOTES

FRE SAFETY IN SOUTH AFRICA

PRACTISE SAFETY. PREVENT INJURY.

"Prevention is better than cure" we all know that this is easier said than done. In fact, most injuries can be prevented, and teachers have a valuable role to play in empowering learners with safety information and introducing effective safety lessons.

Children's Rights to Safety

Teach children that it is their right to buy products that do not harm them. What happens if those rights are infringed? Discuss this in class and ask children what they think they could do to draw attention to harmful practices. What action can they take to protect their rights? Ensuring their rights are protected could include writing to the media, legal action or sending a letter of thanks to companies that promote safety telling them what this means to the child.

Burns are the number one killer of children under the age of 1 year. The Education Officer of Emergency Services has given us these lifesaving lessons on fire and burn prevention.

Fire Safety & Survival Programme for Children

Children should not be left with the responsibility of fighting or extinguishing a fire. Their key to survival is to escape - to Get Out Alive... This is the basis for educating children about the proper and responsible use of fire.

Matches and lighters are dangerous tools, not toys

Matches and lighters can be extremely dangerous in the hands of young children. Children as young as two years old can strike matches and start a fire. Adults must refrain from playing with matches or lighters in the presence of children. They must be utilised as "tools, not toys" and placed out of reach of children in a safe location. As a rule, children under 7 should not be allowed to touch matches or lighters.

Teach the following life safety messages progressively, keeping the message simple.

- Matches are tools, not toys
- Do not touch matches or lighters
- Tell a grown up if you find matches or lighters
- Keep matches and lighters in a safe place away from small children



crawl low and go

- 1. During a fire a large amount of superheated smoke is generated, containing many poisonous gases.
- These hot poisonous gases cause most of the deaths due to fire. Children must be taught not to hide in cupboards or under beds they must know how to escape. Fortunately, heat and smoke usually rise, leaving the cool, clean, clear air low on the ground.
- Teach children how to drop to their hands and knees below this top layer of air and smoke (not flat down as some onous gases will settle on the floor). If they cannot see the door or escape route, they must crawl until they reach a wall, then crawl next to the wall until they locate an exit, such as a door or window. Once out they need to meet at a place previously decided on.

They should then contact the fire department from a neighbour's house.

CLASSROOM EXERCISE

Use a dark sheet or cloth and let some children hold the corners. Tell the rest of the class to crawl low under the sheet which represents the smoke. Use an old telephone to teach kids how to dial the fire department and request help.

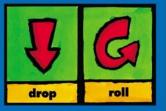




Stop, drop and roll if your dothes are on fire. Do not run or stand still, as this will increase the chances of injury or fatality. Covering your face with your hands when rolling can help prevent flames and heat from causing further injury to your face and respiratory passages.

If someone else's dothes catch fire, tell them to stop running, get them down on the ground and make them roll to smother the flames.

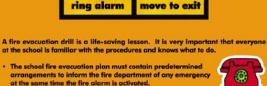
If this is not possible, use a blanket or towel to smother the flames.



CLASSROOM EXERCISE

Allow children to practise dropping to the ground while covering their faces and rolling over and over. Attach a red cloth or paper flame to clothes to simulate them being on fire. Ensure that they all perform the skill correctly in different situations and environments. Children often confuse this skill with crawling low under smoke.

The Paraffin Safety Association of Southern Africa (PASASA), promotes the safe use of paraffin. Millions of child resistant safety caps (to fit on bottles used for storing paraffin) have been distributed, along with labels, leaflets, and public safety messages in all eleven



ring alarm



- A designated staff member, with an alternate, should be assigned to call the fire department before a fire drill is held.
- Drills should take place on different days and at different times. Everyone in the building, including the maintenance personnel, must participate. It is vital that frequent drills are conducted, so that everyone is familiar with the correct procedures. Appoint a fire safety monitor for each class.
- Ring the fire bell or alarm it is important for learners to know what it sounds like.
- When you hear the fire alarm, STOP, LISTEN and GO. Everyone should immediately form a line and go quickly and quietly out of the classroom to the outside meeting place.
- The fire safety monitor should keep a copy of the attendance register and ensure that all learners are accounted for when they exit the classroom.
- The fire safety monitor should also make sure that disabled learners have adequate assistance during the evacuation.
- Silence is essential so that instructions can be heard and understood. Learners should walk in single file and should not run as this causes confusion, resulting In unnecessary injuries and blocked exits.
- Personnel must be familiar with the exit route for their classrooms. Exit routes must be divided amongst the classrooms so as not to cause "bottle necking" at an exit.
- The escape plan should be placed on the wall of each class and the primary exit route highlighted.
- When exiting the class, close doors to prevent fire and smoke from spreading.
- such as the sports field, and without obstructing entrance points that the fire department may use. Try to avoid having students cross streets to reach the meeting place. As soon as a class has reported to their designated meeting place a roll call must be taken to account for everyone. An attendance list should be available near the exit of the classroom for this purpose.
- A designated person must ensure that everyone is out of areas such as the library, changerooms, art room and extra-curricular activity areas.

To simulate "smoke" and "fire", a sign can be made with "smoke" written on it and placed in the middle of the corridor. When learners reach the sign they must turn around and use a second escape route. If there is no second escape route or if it is blocked by "smoke", they must then crawl past the smoke written on it can be placed at the usual exit in order to develop efficiency in the use of

- Everyone should meet at a designated place well away from the school building,

FIRE DRILL EXERCISE

sign and out to safety. A sign with "fire" alternate exits.

THE SMART THIS

The two most important fire safety skills are to 'Get Out' and 'Call the Fire Department'. When teaching children the skills of fire prevention and survival, encourage learners to take fire safety skills home and organise a home fire drill.

If learners are taught to THINK SAFE and ACT SAFE, they will BE SAFE.



For free resources, such as child resistant paraffir safety caps, poison treatment cards, lessons and posters, please call 0861 22 44 22. For further information on FIRE SAFETY please call **Rodney at the City of Johannesburg Emergency** Management Services on 011 837 3099.















SCHOOL FIRE DRILL





Fire safety

5. Crawl low under smoke

Smoke can be very dangerous as it can contain poisonous gases that can hurt you if you breathe them in. If you are caught in a room filled with smoke, get down on your hands and knees and crawl out of the room. Do not try to crawl on your tummy because some dangerous gases can sink right down to the floor and hurt you if you breathe them in. The reason you must crawl on your hands and knees is that hot air rises and the smoke will be found mainly up towards the roof of the room, so the air closer to the ground will be cooler, cleaner and easier to breathe.

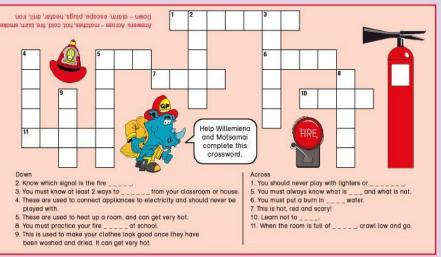


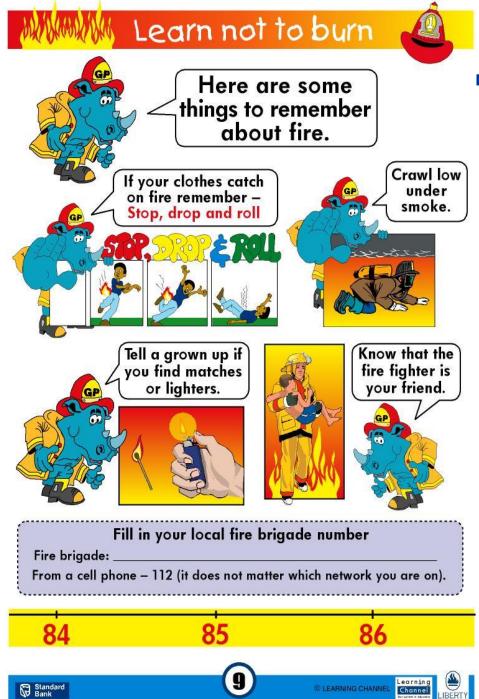
Standard Bank

6. Know that the firefighter is a friend! The firefighter works hard to keep people safe and to rescue people from fires. Sometimes he/she has to wear special clothing to protect them from the fire and these can make them look a little frightening – almost like a monster! It is important to know what these clothes look like so you can recognize the firefighter when they come to help you or rescue you.



7. Know two ways out! You should always know at least two ways to escape from every room in your house and your school. Ask your parents and teachers to show you these, and ask them to help you practice getting out of the room. You need two ways because one way may be blocked by the fire or by smoke, so you need to know another way to escape. You also need to know what the fire alarm sounds like. Your teacher will be able to help you with this, as it should be part of the school plans.





Smoking in bed is bad for your health



Closed doors buy time and prevent fire spread















Most fire deaths happen at 4am during sleeping hours. Wake up and install a smoke alarm



Bucket Brigade





Community Emergency Response Teams (CERT)













Burn Survivor Advocacy















Medics on Bikes









Fire Cadets

	ency Management Servi DET CORP ESTABLISHED 2004	
City of Johannesburg	<i>Florida Park</i>	Every Saturday
Emergency Management Services	Tel: 011 756 5050	During School Term
Public Education Division	Fax: 011 758 5054	09:00 to 13:00
BESAFE Centre	Email: besafe @ joburg.org.za	Ages 12 to 18
JOBURG CONNECT:	WEBSITE:	EMERGENCIES:
011 375 5555	www.joburg.org.za	Toll free: 10177
ловика сомиест:	WEBSITE:	EMERGENCIES:
011 375 5555	WWW.joburg.org.za	Toll free: 10177



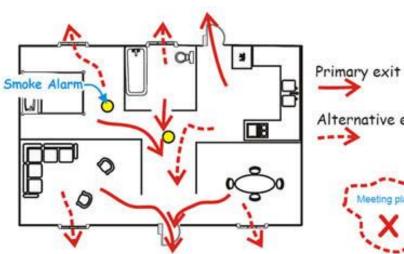


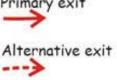


Residential Smoke Alarms & Escape Planning



The most common cause of death from a fire incident is from inhalation of gas and smoke, accounting for 44% of all deaths. (Source: British Department for Communities and Local Government 2005)









Community Fire Safety Kit





Home Visitation (Inspection) Programme

- Home Visitation Programmes can deliver effective targeted interventions at the household level
- Address the immediate social and physical environments
- Provide the primary caregivers with information on safety practices, complete a related injury hazard checklist, and discuss possible changes to reduce risks for specific injury types.







Basic Emergency, Safety And Fire Education (BESAFE) Centres



Mobile B.E.S.A.F.E. Centres



B.E.S.A.F.E. Teachers Guide





Learn Not To Burn Curriculum

The Learn Not to Burn[®] Preschool Programme South Africa

Teacher's Guide

A Firesafety Education Programme of the NFPA® for Preschoolers

© 1008 National Fire Protection Attociation



One Batterymanch Park Quincy, Massachusetts 02169-7471. All Rights Reserved. Learn Not to Burn® is a registered trademark of the National Fire Protection Association

The mission of the international nonprofit NFFA is to reduce the worldwide burder of fire and other hazards on the quality of life by providing and advocating contentus codes and standards, research, training and education.







Western Cape Department of Health

CHILD ACCIDENT PREVENTION FOUNDATION OF SOUTHERN AFRICA



Disclaimer

The South Africas version of the Learn Not to Bury® Preschool Programme was adapted for use in South Africa by the National Barn Prevention Reference Group in South Africa and it baned on the original version published in the United States by the National Fire Protection Association (NFPA). The South Africas version was adapted to reflect South African customs and is noninteeded for use outside of South Africa, is the case of the cool a barn leason, restaging is not consistent with the position of the NFPA. The NFPA advises that a bure be cooled for 3 to 5 minutes. In addition, in the 'Plan your eccape' leater to be taken here to parents and caregivers, in item number f, the massaging is not consistent with the position of the NFPA. The NFPA divises the following: 'If you have security bars on your windows be sure that one without a key.' The NFPA connot be responsible for any information, teaching, or practices and consistent with the original published work. For more information, contact NFPA at 1+617 770-1000 or visit the NFPA website a two with a subset.

For more information on the National Burn Prevention Reference Group, contact the Child Accident Prevention Foundation of Southern Africa at 021 685 5208 or visit the CAPPSA website at www.childsafe.org.za.

Learn Not to Burn[®] Preschool Programme South Africa



LNTB Implementation

Currently implemented in Early Childhood Development centres by the ECDI throughout Gauteng Province as part of the Pre Grade-R curriculum





Reggie Rhino Fire Mascot

Many stories are told over the campfire of rhinos that charge into the campsite and stomp out the fire. Rhino's have always been known as the fire fighters of the bush veld.









Fire Fighter Clowns & Puppets







Fire Prevention Week



Western Cape Government

Positive Community Relations





Evidence Based Strategies



Community Risk Reduction & Integrated Prevention

Public education is the foundation of reducing community risk, effective and sustained success is best realised through the use of combined prevention interventions.



Education

Teaching people about a risk issue and how to prevent it. Enlightening decision makers about comprehensive risk solutions.



Engineering Using technology to create safer products or modifying the environment where the risk is occurring.



Economic Incentives Financial incentives that promote the use of safer practices and products



Enforcement

Rules that require

initiative.



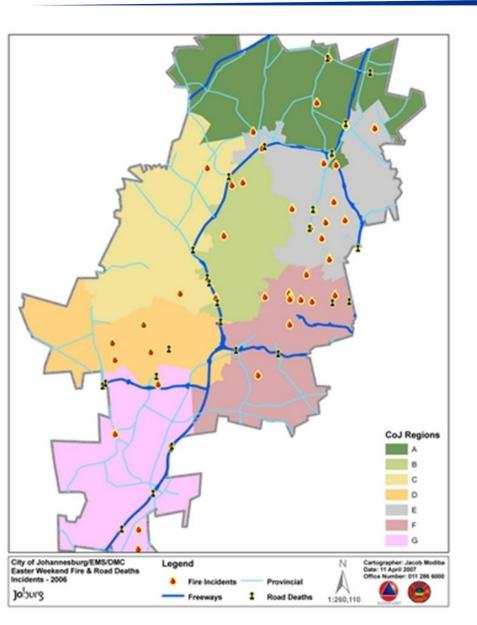
Emergency Response

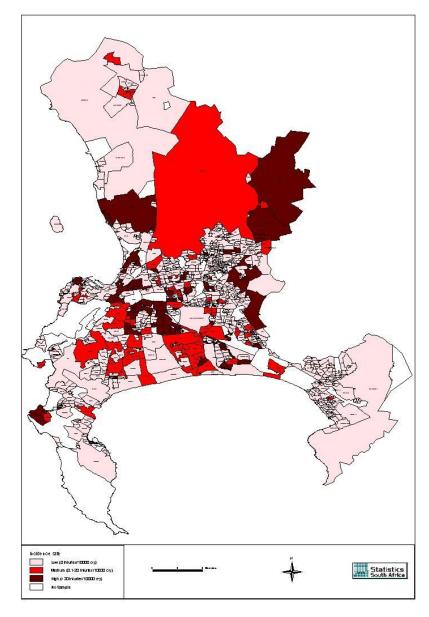
response to the occurrence of incidents

Primary, Secondary, Tertiary Prevention Interventions

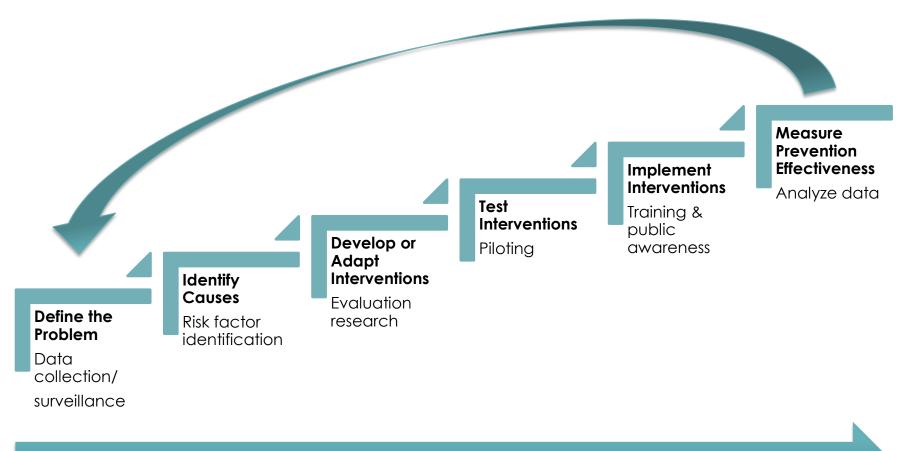
Fire and Life Safety Educator, 3rd Edition 2011

Data Driven Interventions





Interconnected steps in a Data Driven Approach



Problem

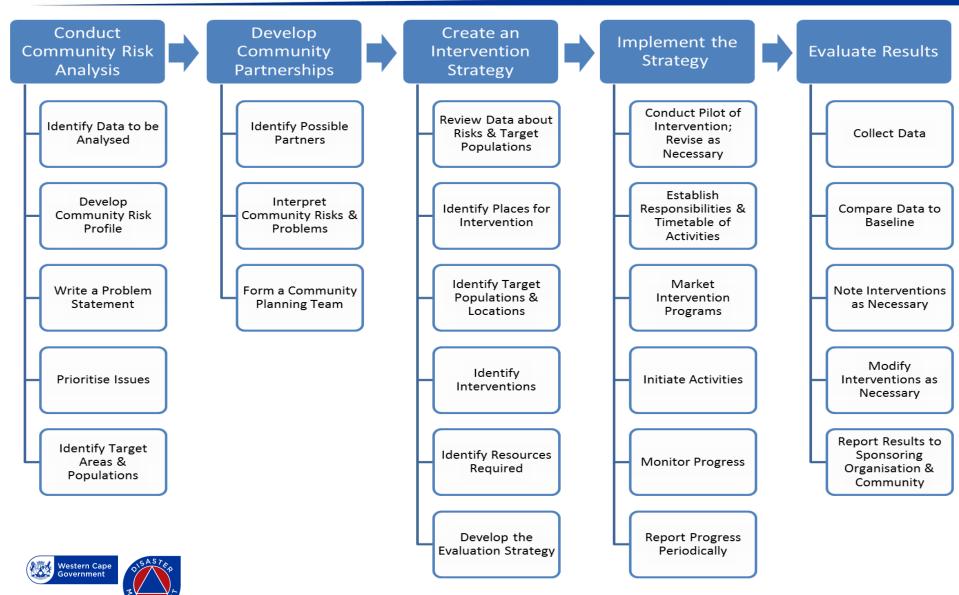
Community Engagement

Response



Adapted from Hammond, Haegerish & Saul, 2009

Fire Prevention Intervention Planning



Critical Components of Proactive Prevention Strategy

- Deliver a suite of interventions aimed at all social system levels within an identified high risk community
- Priorities for these interventions are determined by site-specific concerns.
- Interventions focus on integrated strategy utilising various mechanisms (education, engineering, enforcement, economic, emergency response).
- Interventions focus on different points along the incident continuum (pre-event, event, and postevent).
- The nature of the intervention delivery systems are developed from the literature on effective interventions.



Specific Causal Factors

Through forensic pathology data that was available, community engagement & personal experience some of the main causes of these fire & burn injury events where identified. Priority was given to these main causes:

- 1. Spilled hot liquids from table
- 2. Spilled hot liquids from pot on stove
- 3. Child left unattended and fire begins (unsupervised)
- 4. Shack fire starts, child does not or cannot escape
- 5. Paraffin (kerosene) stove / candle tips / falls over and starts fire
- 6. Open flames of stoves causes clothing fire
- 7. Stove not in proper working order catches fire
- 8. Caregiver under influence of alcohol
- 9. Criminal action to start fire (intentional)

While these priority events where not an exhaustive list, they provided an accurate picture of the common risks & main causes of fire & burns in high risk communities.

The highest priority was given to the most frequent cause. Groups were given a main cause to determine or hypothesise the injury chain of events.

Injury Chain of Events & Intervention Planning

Specific Event	Education	Engineering	Enforcement	Economic Incentives	Emergency Response
Poor family build shack near urban areas for work opportunities					
Purchase cheap paraffin stove to cook food	Unsafe Stoves		Inspections	Replace old with new safer stove	
Cover interior of shack with cardboard and newspaper to insulate from cold	Safer building practices				
Combustibles contact open flame of stove	Safe cooking area				
Fire spreads rapidly to other combustibles	Extinguish fire	Barriers			Fire Service
Children left unsupervised and do not escape	E.D.I.T.H.				
Child's clothes catch fire and is severely burnt	Stop, drop & roll	Flame retardant garments	Legislation		C.E.R.T.
Adult treats burn wound with traditional remedy (toothpaste, soap, metal cleaner etc)	Cool with water				
Delayed transport to hospital	Emergency Number		Single number		
Child dies from burn wounds	Cool a burn				ALS
Family rebuild shack as it was before		Increase spacing			



Evidence Based Fire & Burn Prevention Interventions

- Primary and secondary prevention approaches have the ability to prevent burn related injury from occurring, in addition to increasing the application of correct first aid, which can significantly reduce the "Burden on Disease and Injury" caused by fires, burns and scalds. (Liao CC, Rossignol AM. 2000)
- Fire and burn prevention programmes using educational messages presented by teachers in a preschool environment have shown to significantly improve knowledge and change behaviour practices of young children (McConnell F, Leeming, C, & Dwyer O. 1996)
- Interestingly, in the above study, 3 year olds showed the greatest positive behavioural change in that age group.



Message Development

- Messages must then developed emphasizing the positive action or desired behavior to be followed.
- Messages must be tested against the characteristics of the target audience. Elements of these characteristics included:
 - Linguistic readiness (will they understand the message)
 - Emotional readiness (as stress levels increase, decision making abilities decrease)
 - Cognitive readiness (can they reason)
 - Physical readiness (in terms of age / ability)
 - Culturally appropriate (within value set they've been raised with)
 - Language appropriateness (idiomatic language / dialect)
 - Child's locus of control (what they can / cannot influence)



Key Messages

Primary Prevention Messages

- 1) Stay away from hot things they can burn you.
- 2. 2) Stay away from hot water it can burn you.
- 3. 3) Matches and lighters can burn you leave them alone.
- 4. 4) Stay away from paraffin... it can hurt you.
- 5. 5) Stay away from flames and fire they can burn you

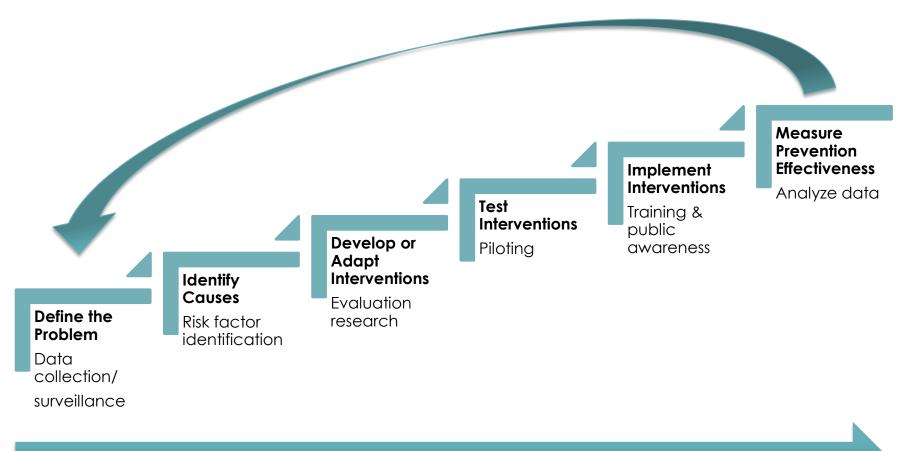
Secondary Prevention Messages

- 6) If your clothes are on fire stop, drop and roll!
- 7) Cool a burn with cool water.
- 8) If your house is on fire, go out and stay outside!9) The fire fighter is a helper.



Learn not to burn Draft curriculum	Stay away from hot things	Stay away from hot things	Stay away from matches and lighters	Stay away from flames and fire	Stay away from paraffin	Cool a burn	Storp Drop and Roll	Get out fast and stay outside	Firefighters are helpers	Celebrating what we have learnt
CRITICAL OUTCOMES	1	2	3	4	5	6	7	8	9	10
 Identify and solve problems and make decisions using critical and creative thinking 	•	•	•	•	•	•	•	•	•	•
Work effectively with others as members of a team, group, organisation and community	•	•	•	•	•	•	•	•	•	•
 Organise and manage themselves and their activities responsibly and effectively 	•	•	•	•	•	•	•	•	•	•
4. Collect, analyse, organise and critically evaluate information										
 Communicate effectively using visual, symbolic, and/or language skills in various modes 	•	•	•	•	•	•	•	•	•	•
Use science and technology effectively and critically showing responsibility towards the environments and the health of others	•	•	•	•	•					•
Demonstrate an understanding of the world as a set of related systems by recognising that problem solving contexts do not exist in isolation.										
 Reflecting on and exploring a variety of strategies to learn more effectively 										
9. Participating as a responsible citizen in the life of local, national and global communities	•	•	•	•	•	•	•	•	•	•
10. Being culturally and aesthetically sensitive across a range of social contexts										
11. Exploring education and career opportunities, and										
12. Developing entrepreneurial opportunities.										

Interconnected steps in a Data Driven Approach



Problem

Community Engagement

Response



Adapted from Hammond, Haegerish & Saul, 2009

Contact Us



 Tel:
 +27 (21) 937 0800
 Fax:
 +27 (21) 931 9031

 rodney.eksteen@westerncape.gov.za

 www.westerncape.gov.za