A Journey to the Teachings

Injury Prevention for Youth



Ice Breaker





Injury Prevention BINGO!



What are Injuries?



Definition

An injury is when the body is damaged. It may be visible (i.e. broken arm from falling down stairs) or invisible (i.e. low self esteem from emotional abuse) to others.



Injury Categories

Unintentional injuries



Intentional injuries

Injuries: Intentional & Unintentional

- Violence to others (domestic abuse)
- Violence to self (suicide attempts and completions)
- •Firearm injuries (lack of safety precautions)
- •Motor vehicle crashes (includes snow machines, all terrain vehicles, boats, cars and trucks)
- •**Drowning** (lack of water safety precautions, life jackets, swimming instruction)



Different Injury Types

- **Heat** (e.g. burns or scalds)
- Action/Motion human or machine (e.g. falls, motor vehicle collisions)
- Electrical (e.g. electrocution)
- Chemical (e.g. unintentional poisoning, overdose)
- No Air or Heat (e.g. drowning, choking or suffocation, hypothermia)



Traditional Knowledge and Stories





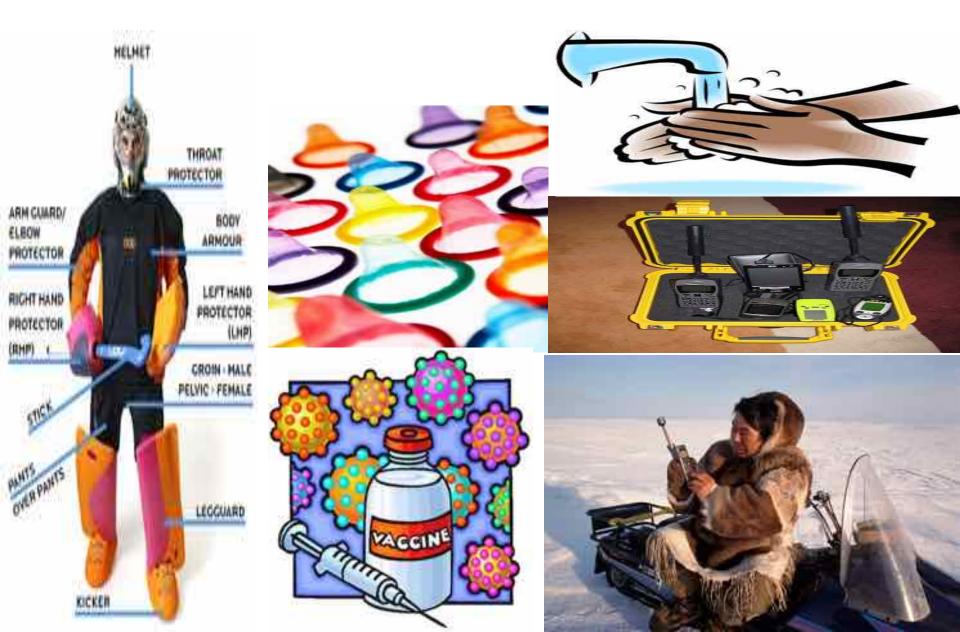
Looking Back...



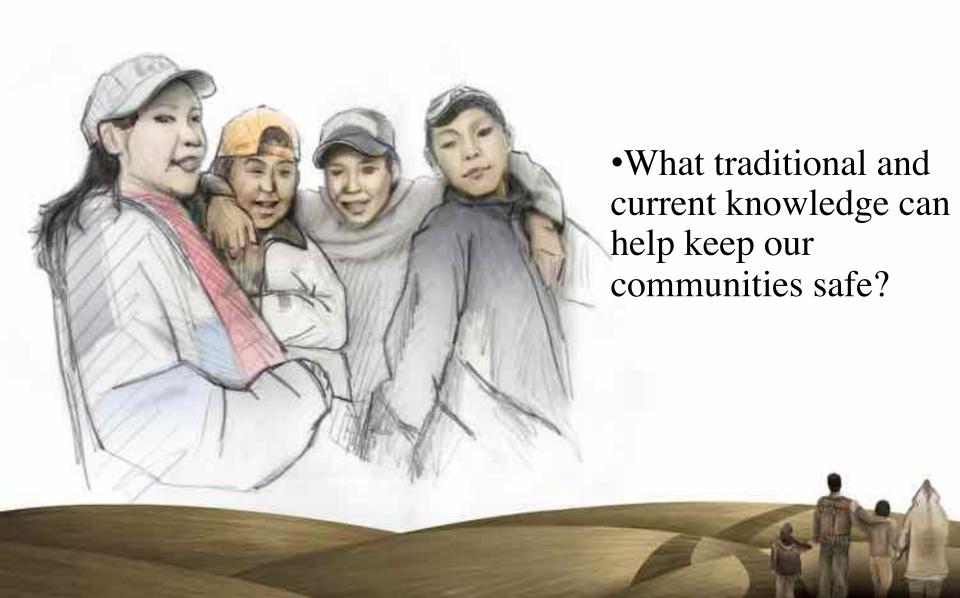




Ways We Stay Safe Today...

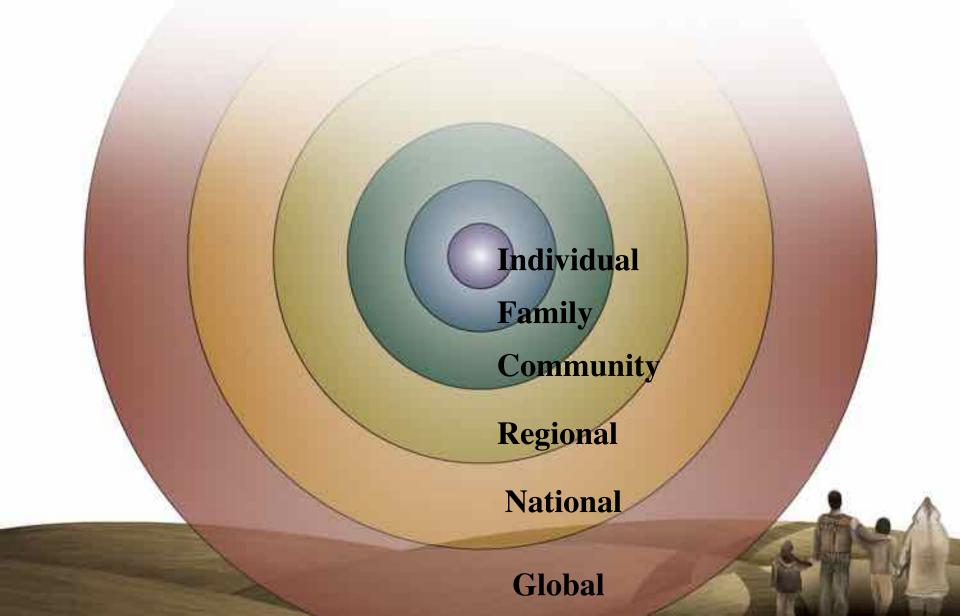


Discussion Questions





Injury: A Big Problem for Everyone



Nunavut PYLL (2001)



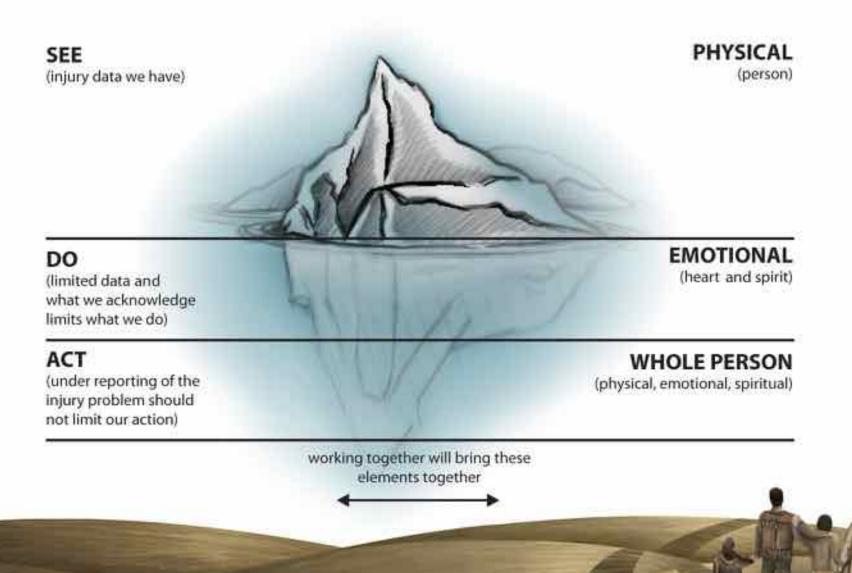
The rate of PYLL for unintentional injuries is 3 times greater for Nunavut than for Canada as a whole.

Nunavik PYLL (2001)



The PYLL for unintentional injuries in Nunavik was almost 6 times greater than the overall Canadian rate.

More Than What the Numbers Show Us



What Do We Know About Injuries in our Community?



Discussion Questions:

- 1. What are common injuries that occur in our communities?
- 2. Who seems to be at greatest risk?
- 3. What impact do these injuries have?



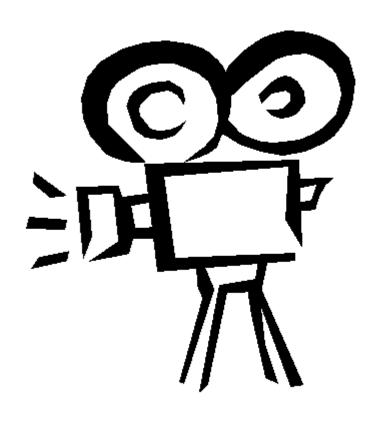
Lights, Camera, Action...



AWARENESS Looking at the Problem



Share a Story...



Stages of Learning



With wisdom comes responsibility

UNDERSTANDING

With understanding comes accountability

AWARENESS

With awareness comes reasoning

KNOWLEDGE

With knowledge comes courage

Elder: Mark Philips, Turtle Clan, Peterborough ON

- T/F Injury is the leading cause of premature death in Inuit regions.
- **T/F** Most injuries cannot be prevented.
- T/F Number one risk factor for injuries is the weather conditions
- T/F Disability rates (associated with injury) for Aboriginal people are the same as Canada's overall disability rate.

T/F Injuries are the leading cause of premature death in Inuit regions.



TRUE

Injuries are the leading cause of premature death in Inuit regions.



T/F Most injuries cannot be prevented.



FALSE

Experts in the field estimate that up to 90% of all injuries are preventable.



T/F Number one risk factor for injuries is the weather conditions.



FALSE

Alcohol/drug consumption and abuse were associated with the number one cause of injury in all four Inuit regions

T/F Disability rates (associated with injury) for Aboriginal peoples are the same as Canada's overall disability rate.



FALSE

Aboriginal disability rates (associated with injury) are reported at 31% or double the national rate.

Keeping Safe: Introduction to Risk Factors

- Greater chance for injury.
- Examples of risk factors for motor vehicle collisions: drinking and driving, not wearing a seat belt, not wearing a helmet on an ATV or snowmobile, poor road or lighting conditions



Determinants of Health



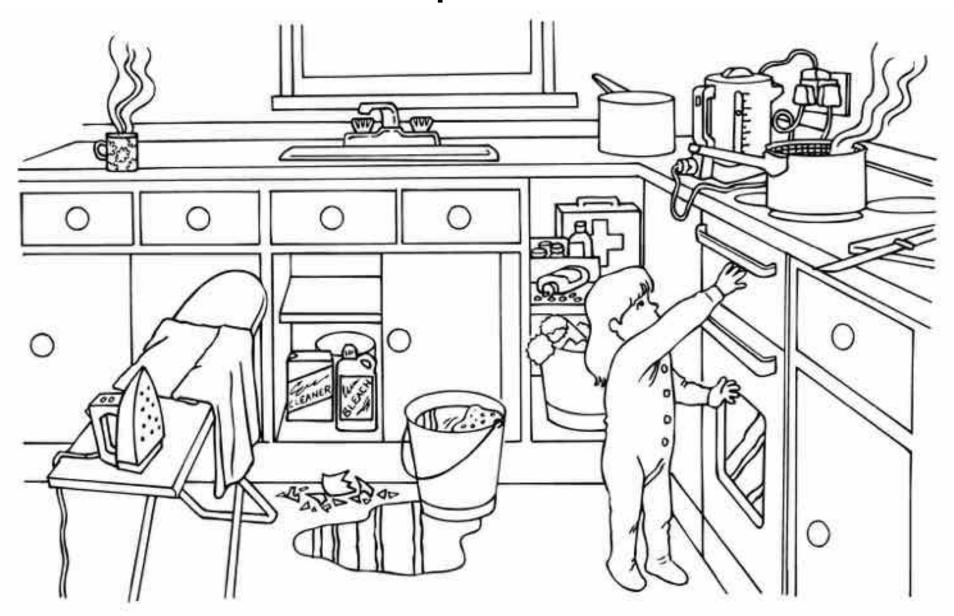
Protective Factors and Resiliency



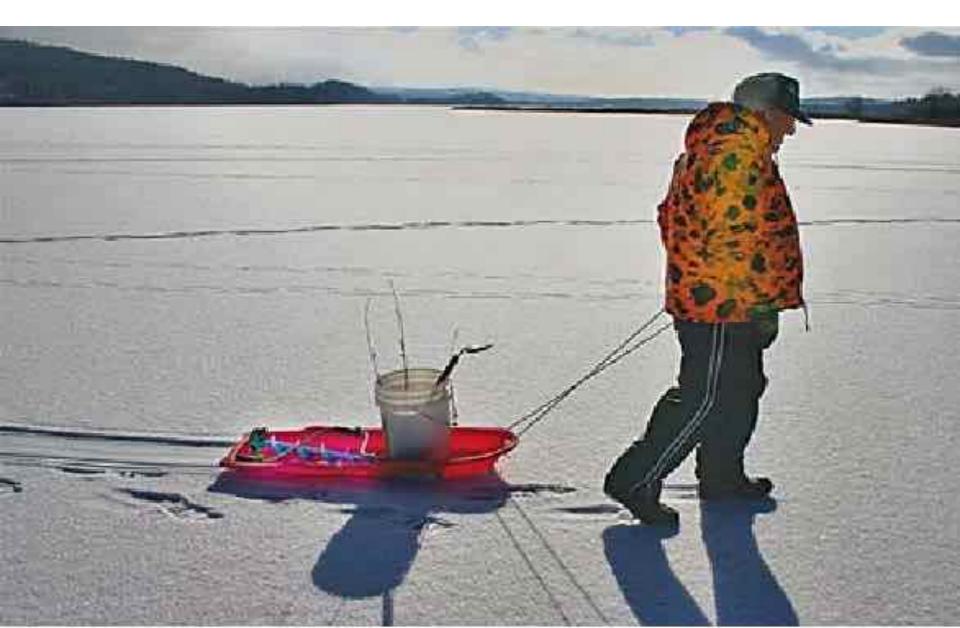
Protective Factors

Resiliency

Can You Spot the Risks?



Can You Spot the Risks?



Awareness: What We Learned

- Risk Factors: things that increase the risk for injury.
- **Protective Factors**: good influences that help prevent negative behaviors and outcomes.
- Resiliency: important factor in helping us cope.
- Determinants of health greatly impacts injury.

Knowledge

Identifying Injury Patterns and Prevention Strategies



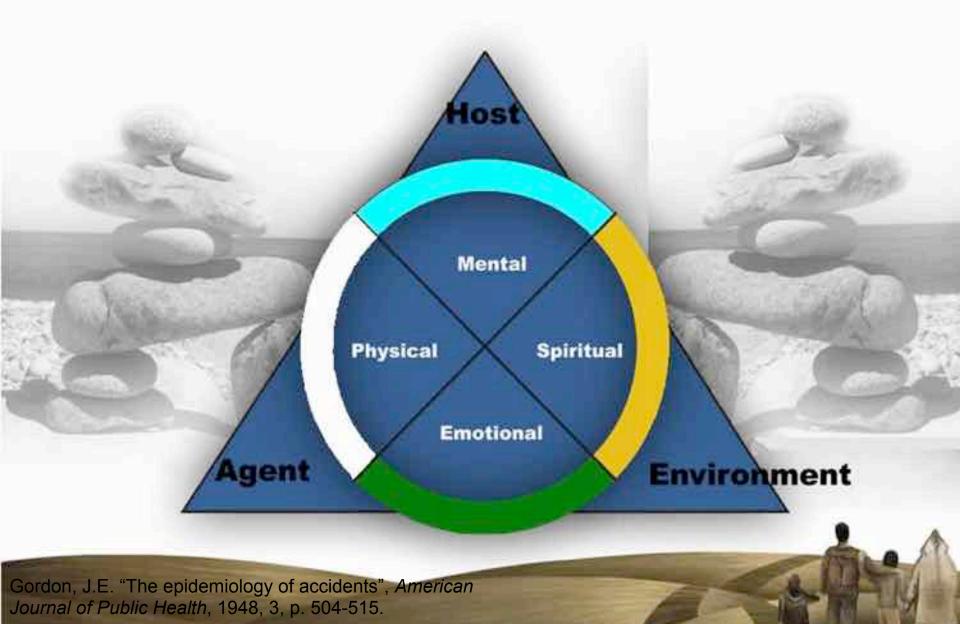
Stages of Learning



Elder: Mark Philips, Turtle Clan, Peterborough ON



Understanding the Elements of Injury



Host

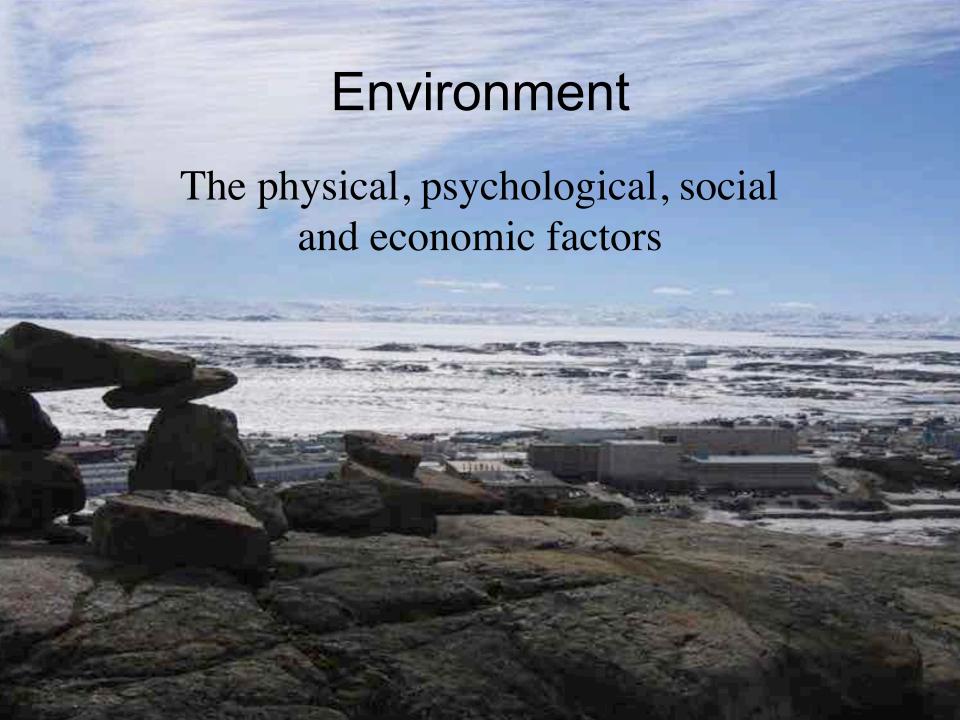
The person who is injured



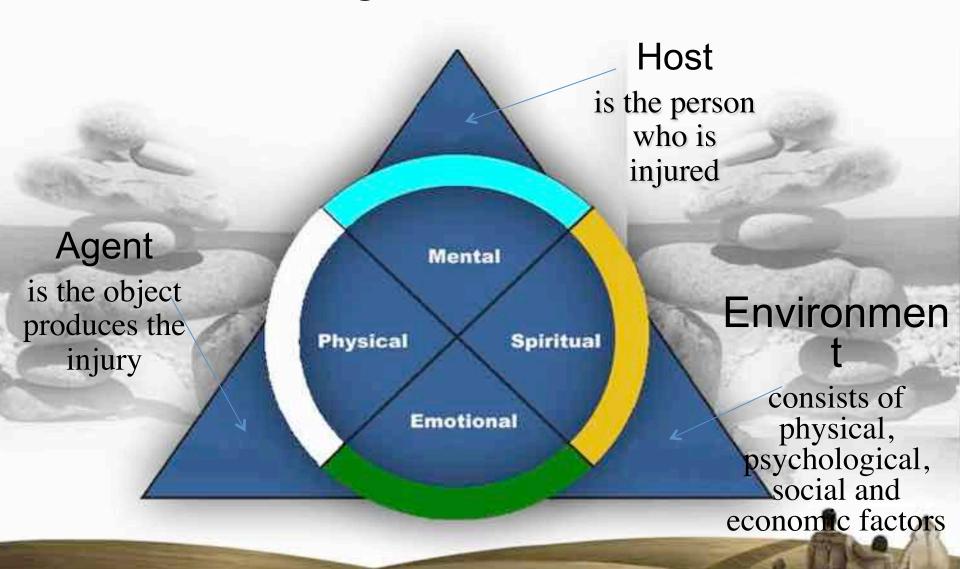
Agent

The object/force that produces the injury



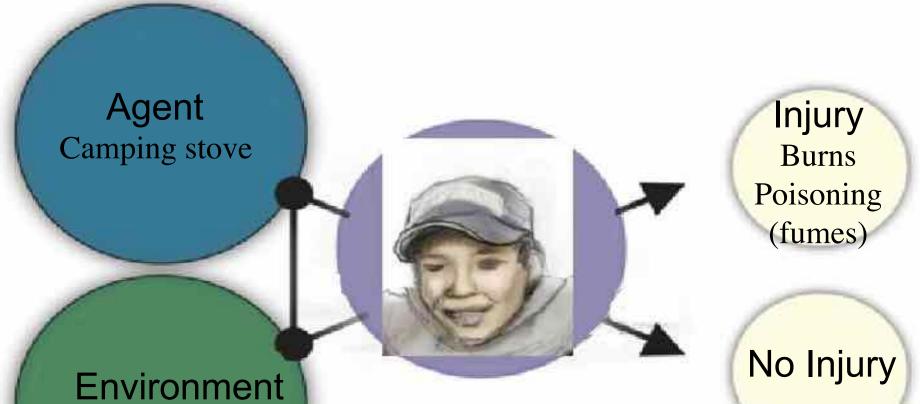


Host-Agent-Environment



Gordon, J.E. "The epidemiology of accidents", *American Journal of Public Health*, 1948, 3, p. 504-515.

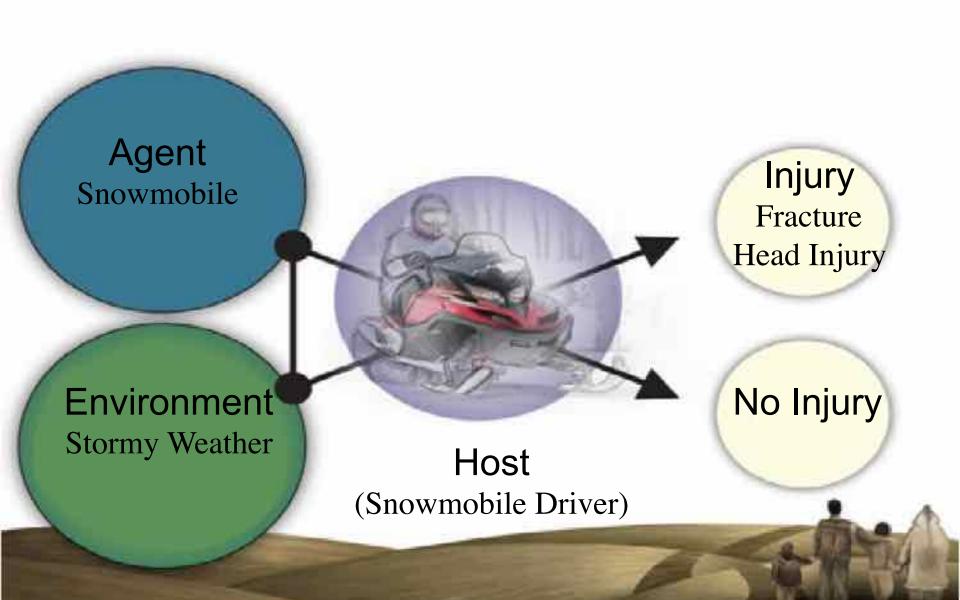
Heat



In the tent;
Caught fire

Host Youth

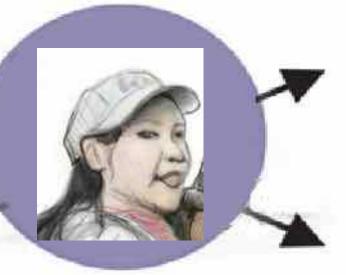
Action/Motion



Electrical



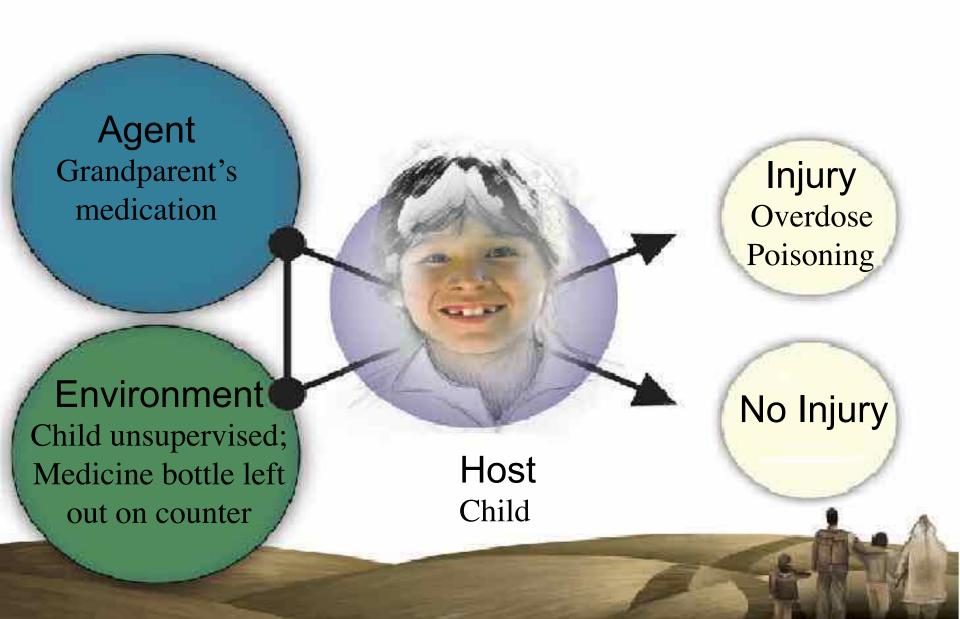




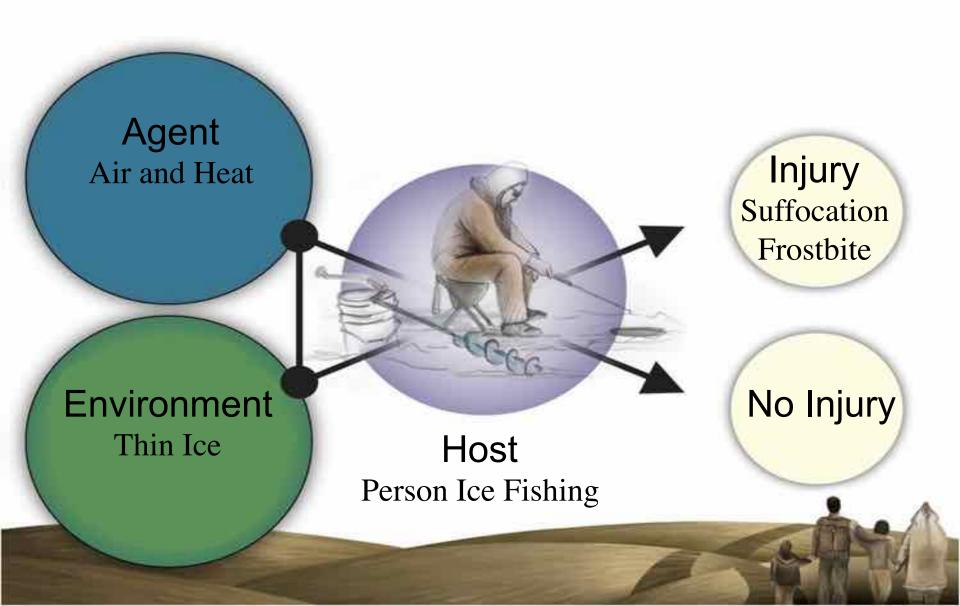
Host Youth Injury
Electrocution
Burns

No Injury

Chemical



No Air or Heat



Activity



Knowledge: What We Learned

- Injuries are predictable and preventable
- Host-Agent-Environment Injury triangle
- This triangle helps us to understand injuries



UNDERSTANDING

Identifying Risk and Protective Factors



Stages of Learning



With understanding comes accountability

WISDOM

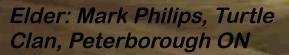
With wisdom comes responsibility

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What is Haddon's Matrix?

A way of looking at all the factors that lead to an injury

Consists of:

- Injury Triangle: host, agent and environment
- Divided into pre-event, event and post-event



Chain of Events Over Time

PRE-EVENT (BEFORE the injury)

EVENT (AT THE TIME of the injury)

POST-EVENT (AFTER the injury)

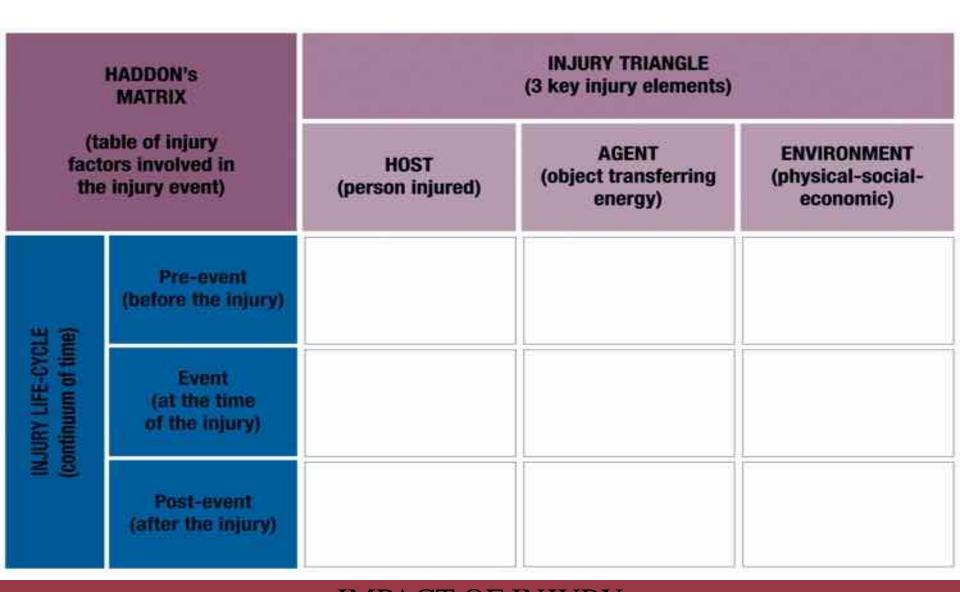




The more circles (risks) interacting means more risk for

LONG TERM IMPACT family breakdown, start of an addiction, etc.

Haddon's Matrix



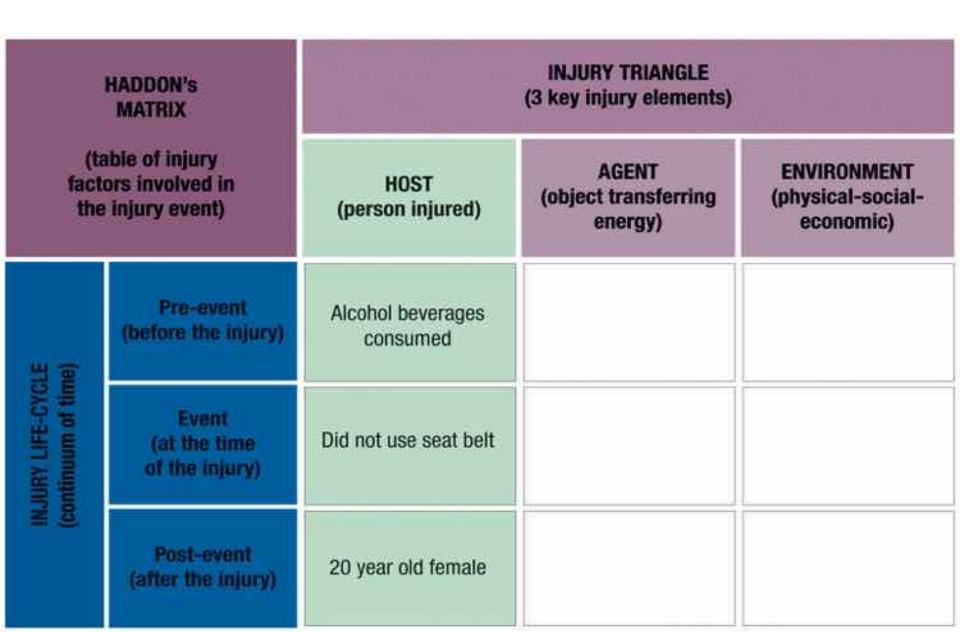
IMPACT OF INJURY death, permanent disability, family breakdown, unemployment, other

Haddon's Matrix Scenario

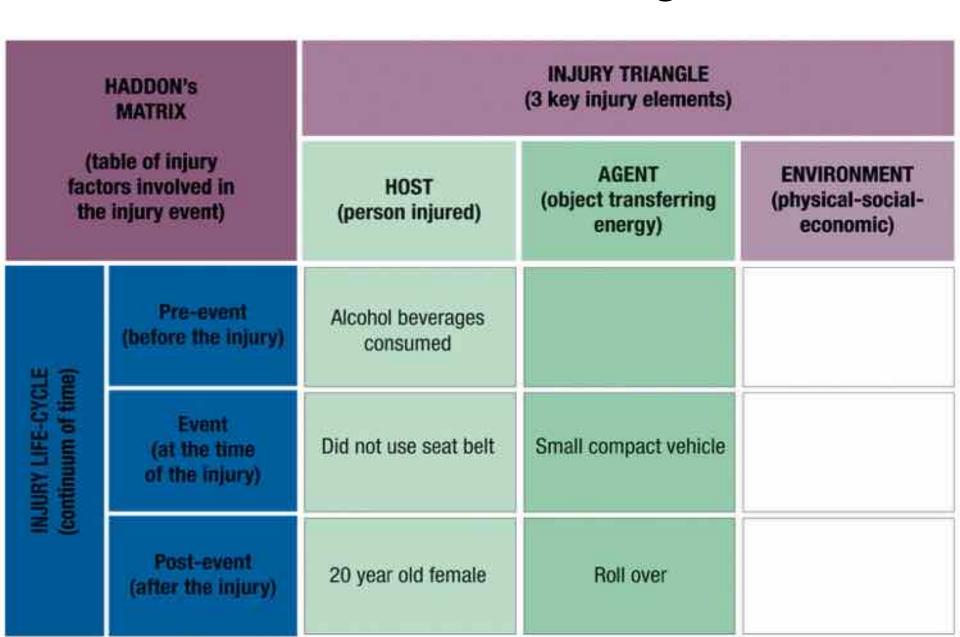


A twenty-year old female driver had attended a family gathering. It was a special birthday celebration with many family members gathered. Along with the food, the young driver consumed alcoholic beverages throughout the course of the evening. The young woman departed for home before midnight, forgetting to buckle up for the drive home. The road was dry and unlit. The driver, driving a small compact vehicle, swerved and rolled over several times. The driver was discovered shortly after the incident and transported by emergency services to hospital within 40 minutes. Unfortunately the driver still suffered from major head and spinal injuries which left her a quadriplegic.

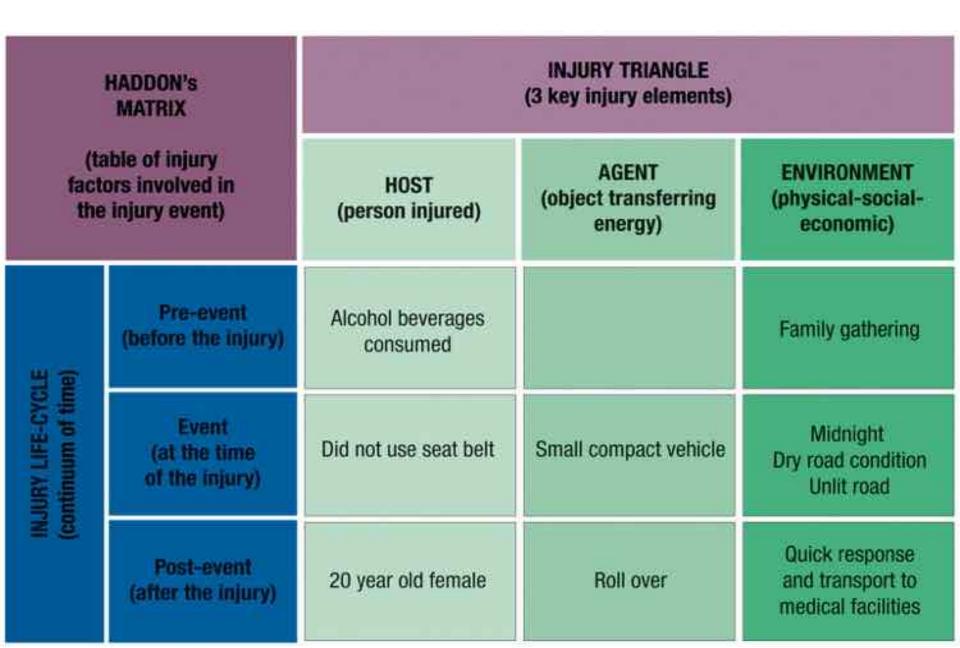
Haddon's Matrix: Host



Haddon's Matrix: Agent



Haddon's Matrix: Environment



Do your own Haddon's Matrix!



Haddon's Matrix

Discussion Questions:

- 1. What patterns have you found from your injury examples?
- 2. What could be done to make things better?





Understanding: What We Learned

- Chain of events leads to injuries—understanding this can help with prevention
- Long-term impacts of injury
- Haddon's Matrix is used to help understand patterns related to an injury event



Wisdom Using Prevention Strategies to Act



Stages of Learning



comes courage

WISDOM

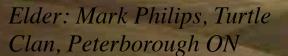
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Keeping Track of Injuries in the Community

- Collecting information about injury events in a community
- It can help identify and prevent injuries
- What, Who, When, Where and How; whenever an injury occurs

Why is this important for my community?

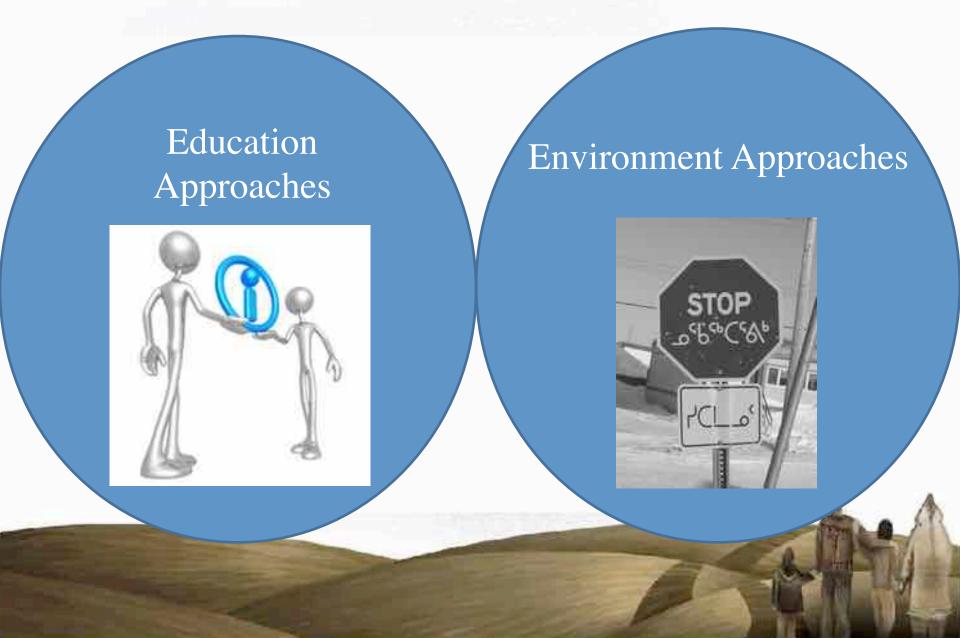
Reduces injury by helping you to identify, understand and prevent injury problems

Injury Prevention E's



- Education
- Environment
- Enforcement
- Economics

Education and Environment



Enforcement and Economics



Activity: Injury Patterns in Your Community



YOU Can Create Change

