



National Summit for Rural Traffic Safety Culture 2010

The Science of the Positive™: A Framework for Improving Health and Safety Cultures

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Presentation Goal

- Examine one approach to transforming individual and collective cultures.



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Why Safety Culture?



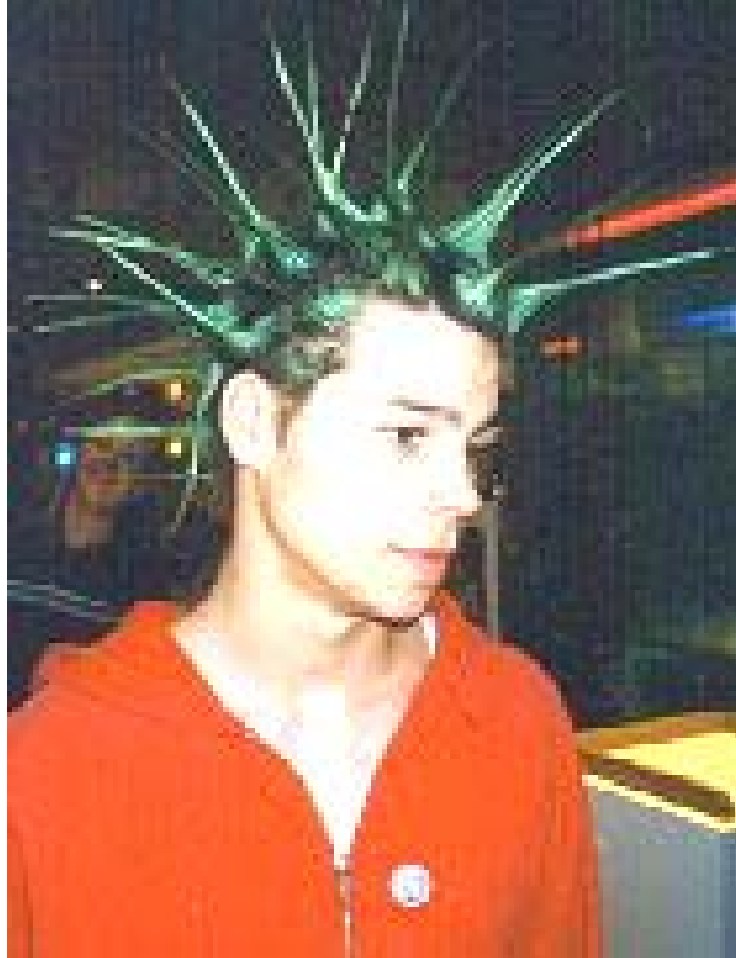
**Are you getting the
results that you want?**

**To change your results,
you must change your paradigm.**

Are we busy or are we effective?



“That is not who we are...”



Deficit Models

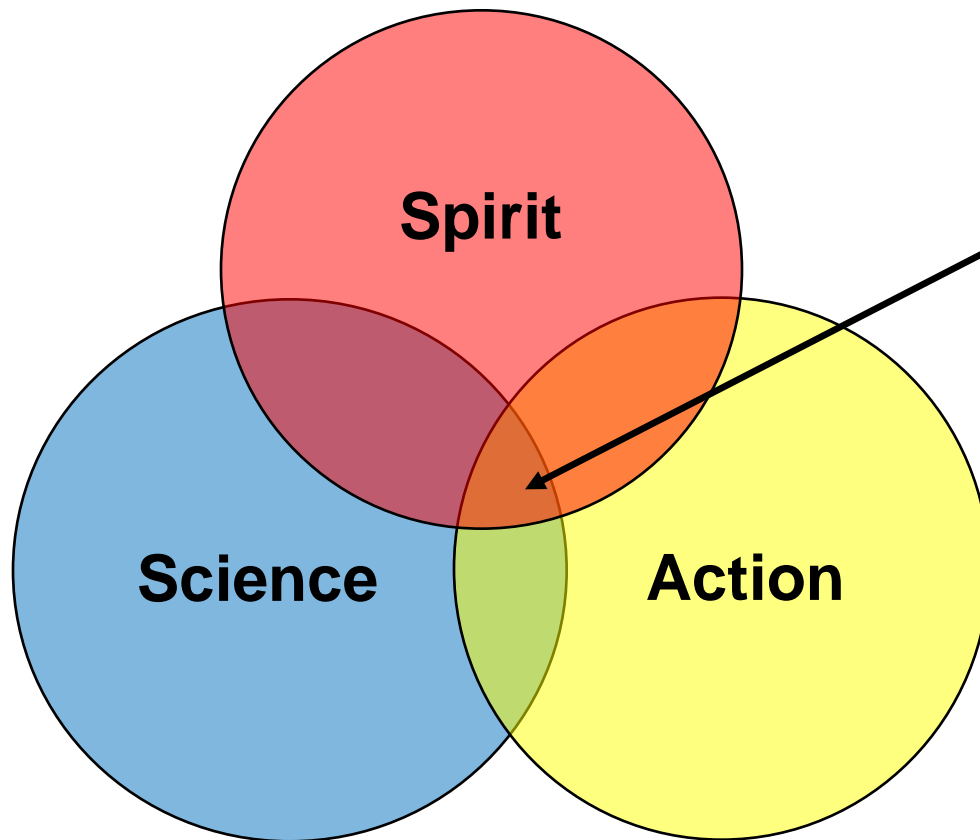
I'm okay, you're at risk!

What is the Central Assumption of
the Science of the Positive?

“The POSITIVE
is REAL”

Science of the Positive™

A framework for improving community health



Synergy

- Mission / Goals
- Logic Models
- Media Messages
- Programs
- Public Conversations
- Cultures

Core Concepts

Spirit

- meaning, essence, values

Science

- understanding, investigating

Action

- behaviors, practices, habits

Safety Culture Leaders Focus on Change and Transformation

Change

- Temporary
- Surface level
- Combines same elements-new formats
- More common
- Easier to measure
- Linear & stages
- Current paradigm

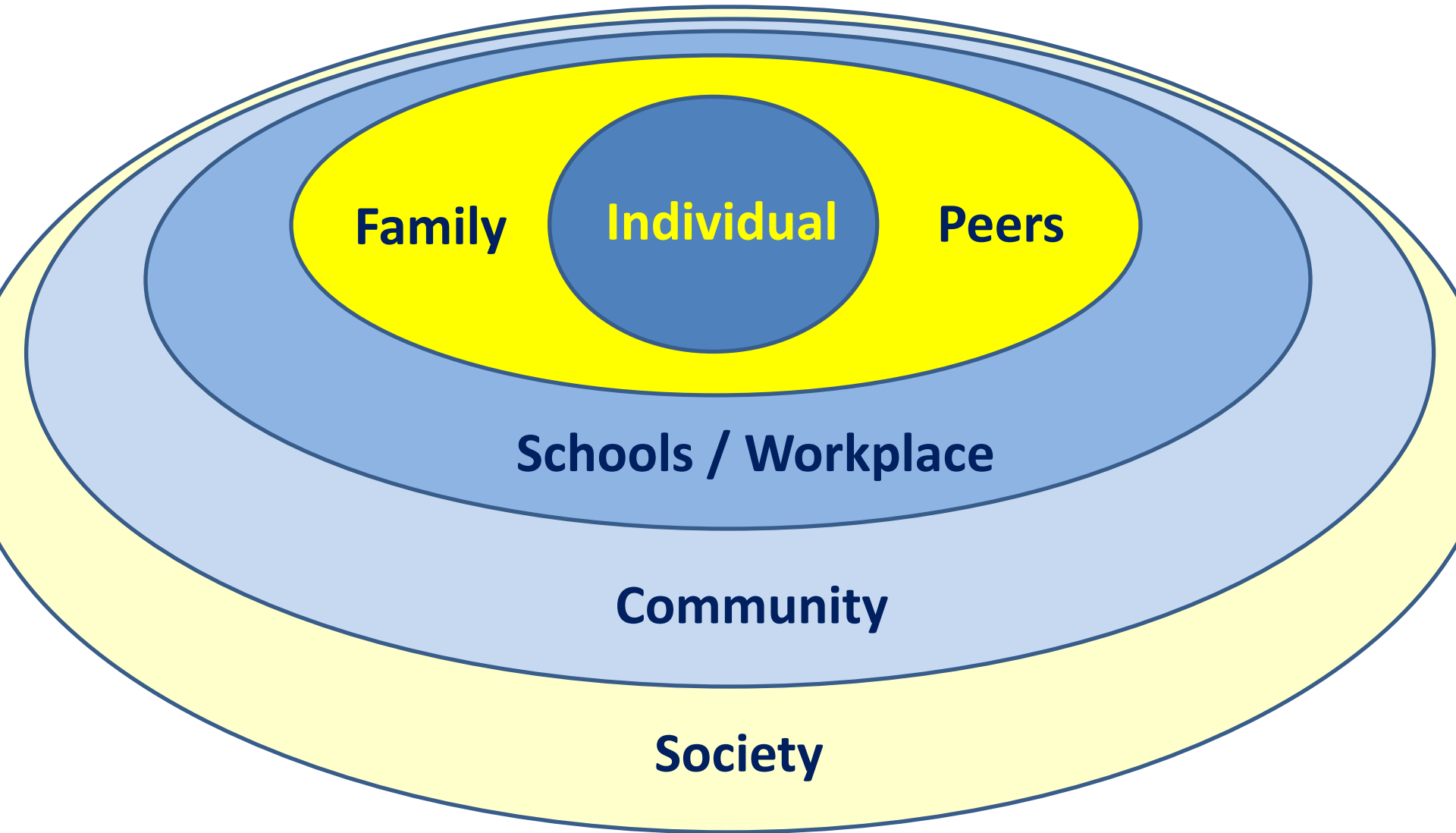
Transformation

- Lasting
- Deep core
- New elements, synergistic reactions
- More rare
- Difficult to measure
- Quantum leaps
- Paradox & shifts

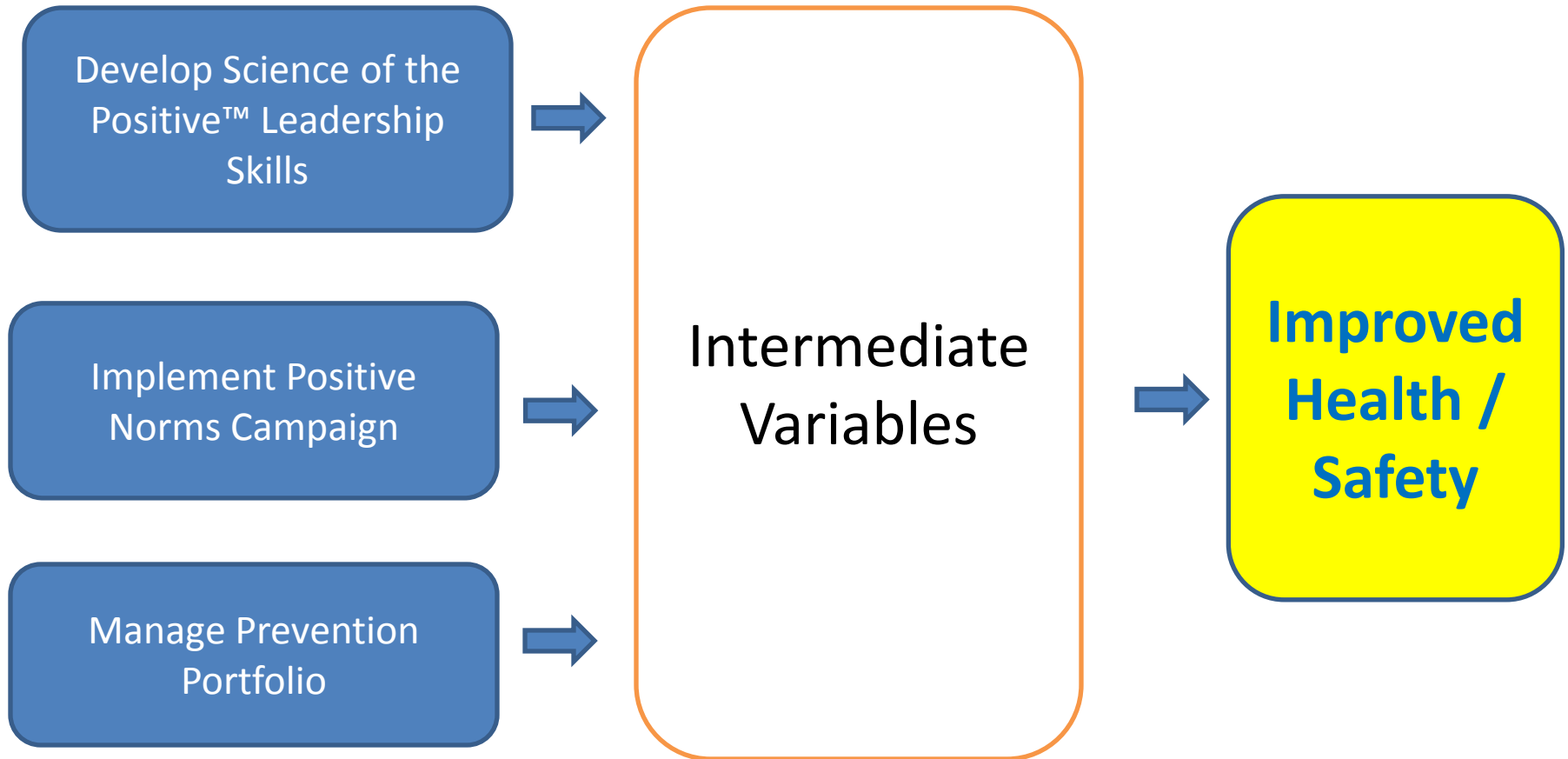
What is prevention?

Prevention is proactively fostering and sustaining positive cultures.

Social Ecology



PCN Logic Model



Implemented across the social ecology

Social Norms Theory

The Norm

The actual behavior or attitude of the majority of a population; what **most people** do or believe.

“How often do you smoke?”

**The
GAP**

The Perceived Norm

The perceived behavior or perceived attitude of most people; what we think **most people** do or believe.

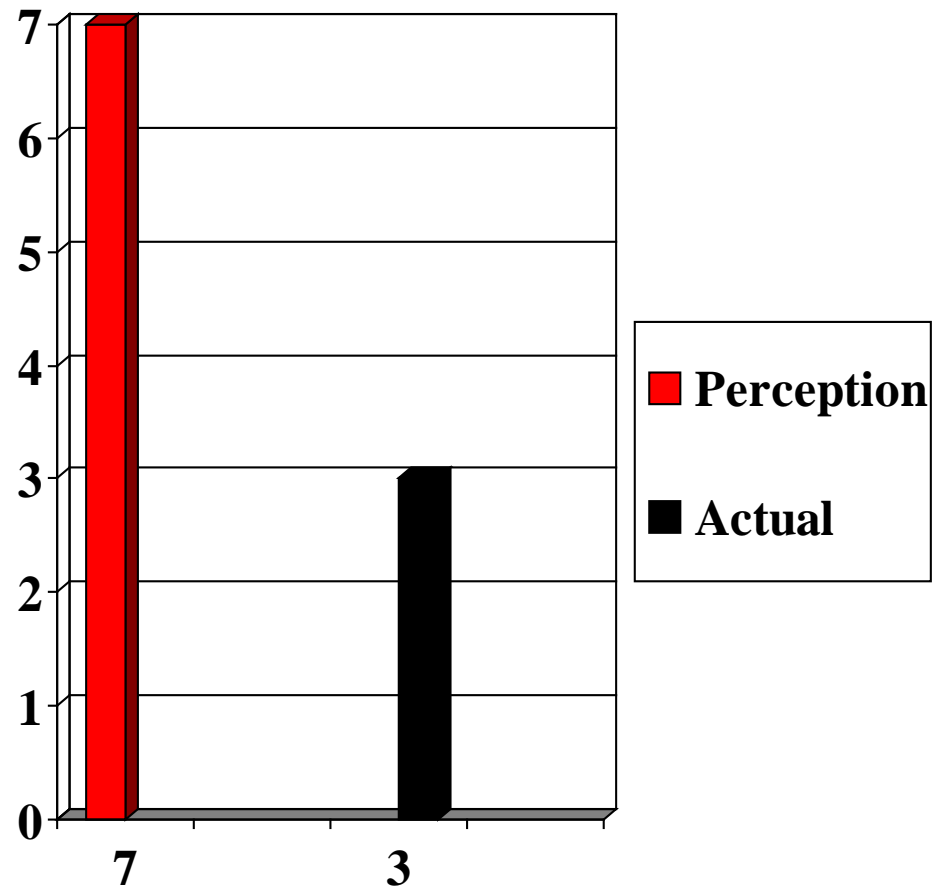
“How often do most students in your school smoke?”

Actual Norms and Perceptions

Montana Young Adults

*Number of drinks
consumed on
average
per occasion,
18 – 24 year old
males.*

(Linkenbach & Perkins - 1999)





MOST Montana young adults
(4 out of 5) don't drink
and drive

MOST of us
www.mostofus.org

2001 Montana Young Adult Alcohol Survey
DESIGNATED DRIVERS SAVE LIVES

MDT
Montana Department of Transportation



Using PCN to Frame Data

Traditional Frame	MN
Senior males who sometimes or never wore a seat belt when riding in a car driven by someone else	25%

Positive Community Norms Frame	MN
Senior males who often or always wore a seat belt when riding in a car driven by someone else	75%

Source: MN Student Survey, 2007.



9 out of 10 Career Prep students
DISAPPROVE of friends driving
after drinking alcohol.

Nizhoni

Most of us® is a registered service mark of Montana State University

Career Prep High School Survey, March 2008,
San Juan County Partnership, n=122.

Photo by R.W. John



OHKA Video



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Positive Community Norms Health and Safety Culture Research

Center for the Study of Health and Safety Cultures

"Safety Culture:" PCN Research

"**Safety Culture**" builds on two traditional definitions of culture—

"b: the customary beliefs, social norms, and material traits of a racial, religious, or social group; also "c: the set of shared attitudes, values, goals and practices that characterize an institution or organization"
(Merriam-Webster On-line Dictionary)

➤ "**Safety Culture**" is defined *empirically* — "The set of **contributing cultural factors** that, in a selected community, organization, institution, or social system, **mediate** (are correlated statistically with) representative indicators of health and safety behavior and status"



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PCN Empirical Example

Teen Seat Belt Usage



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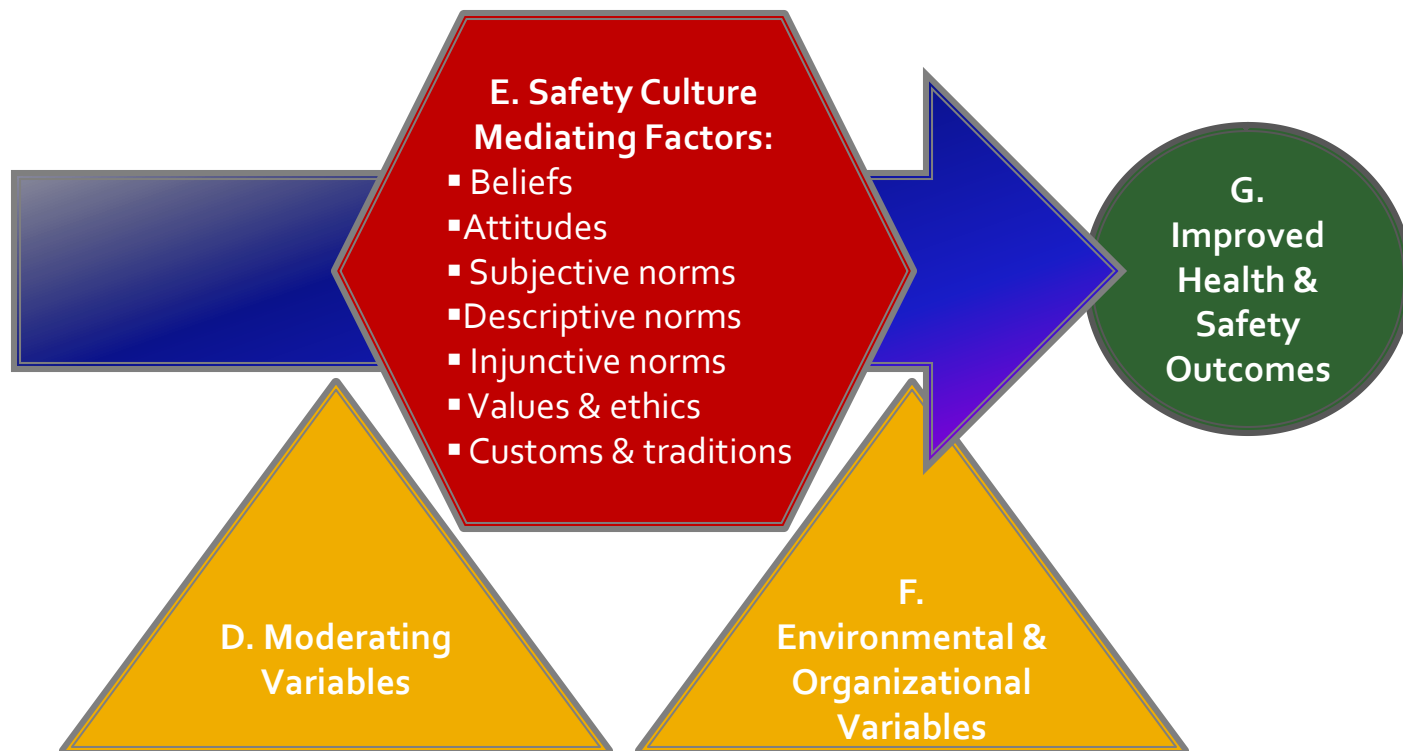
PCN Empirical Example



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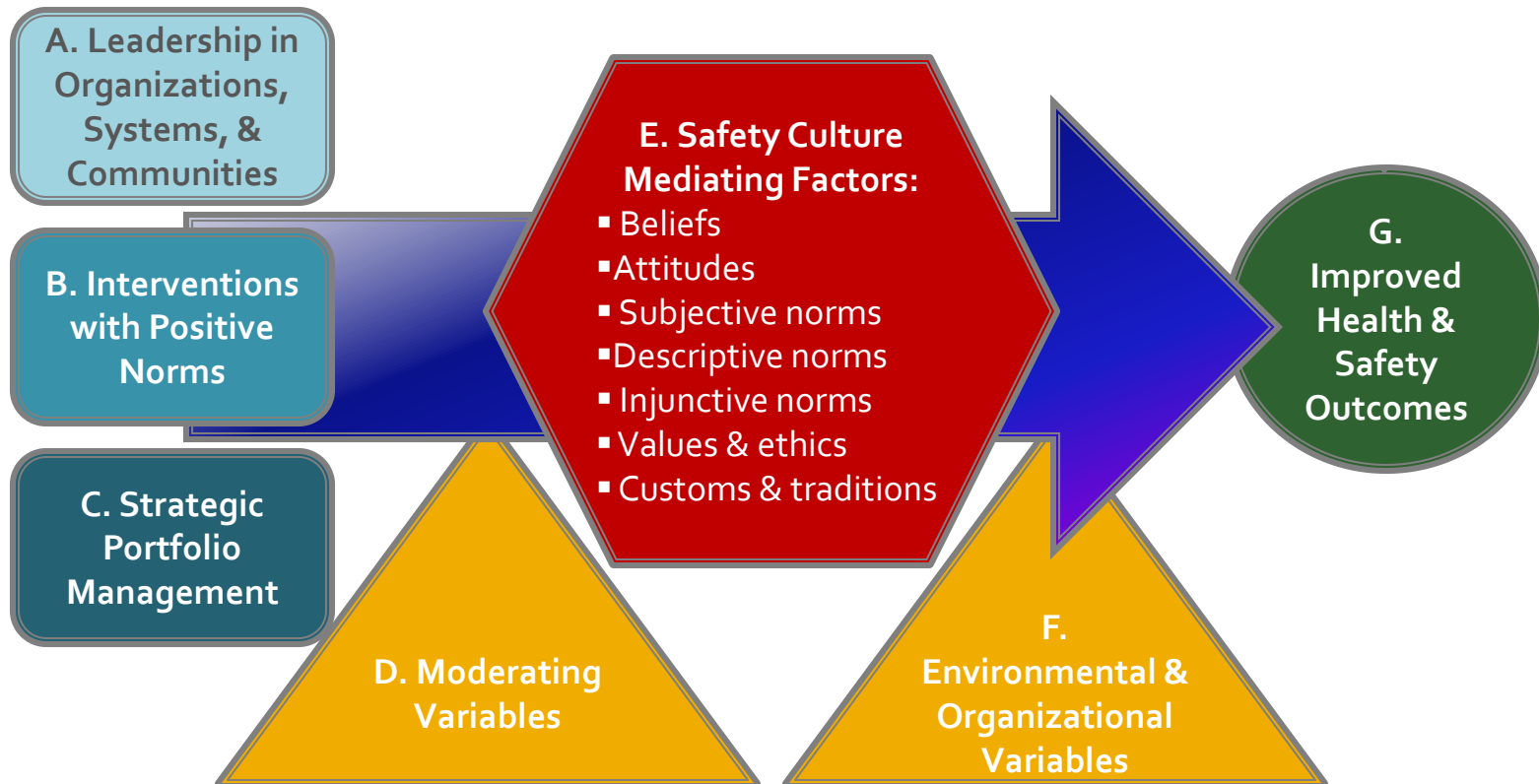
PCN Empirical Example



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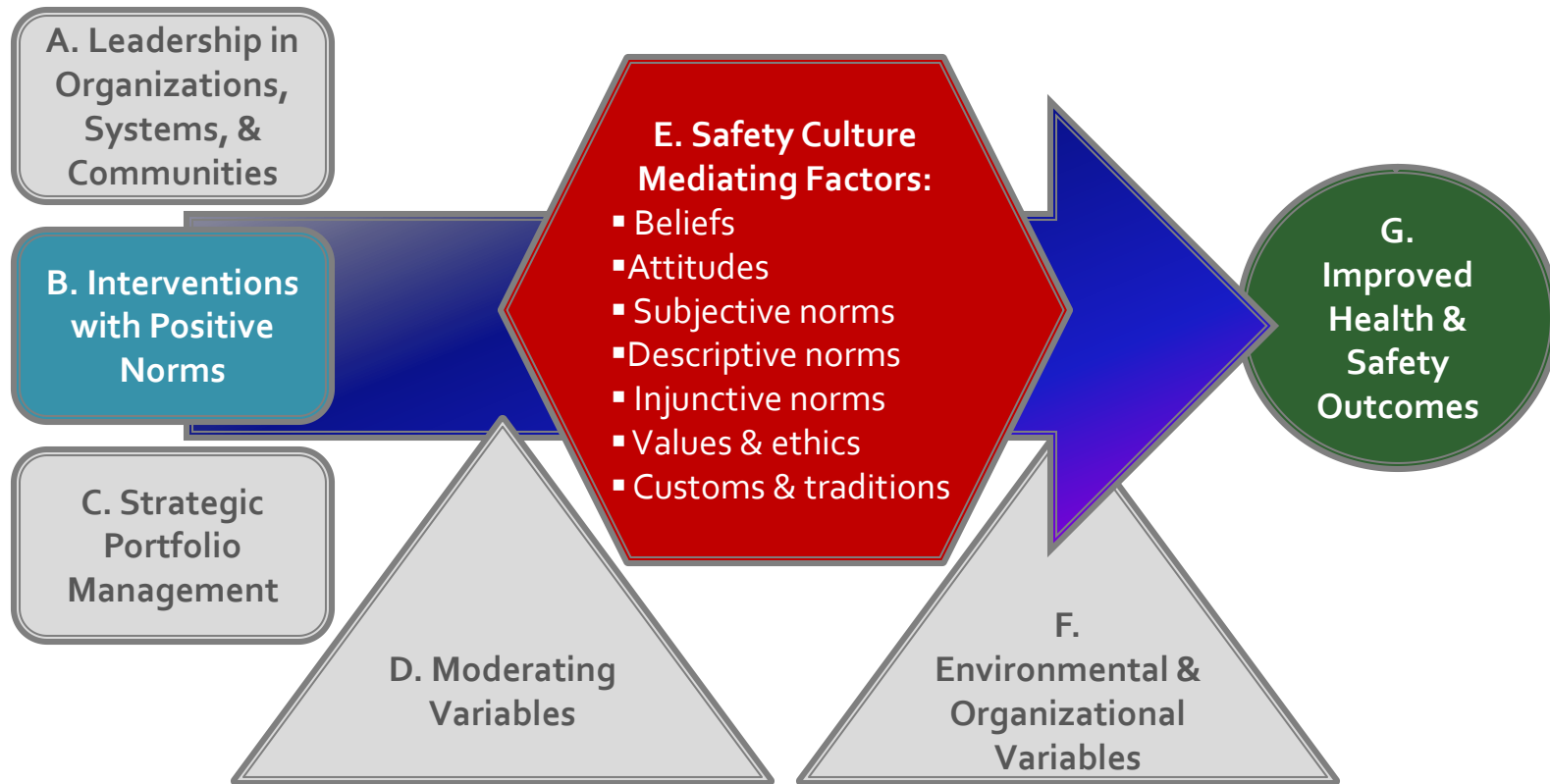
PCN Empirical Example



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PCN Empirical Example



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Arizona High School Safety Culture Study

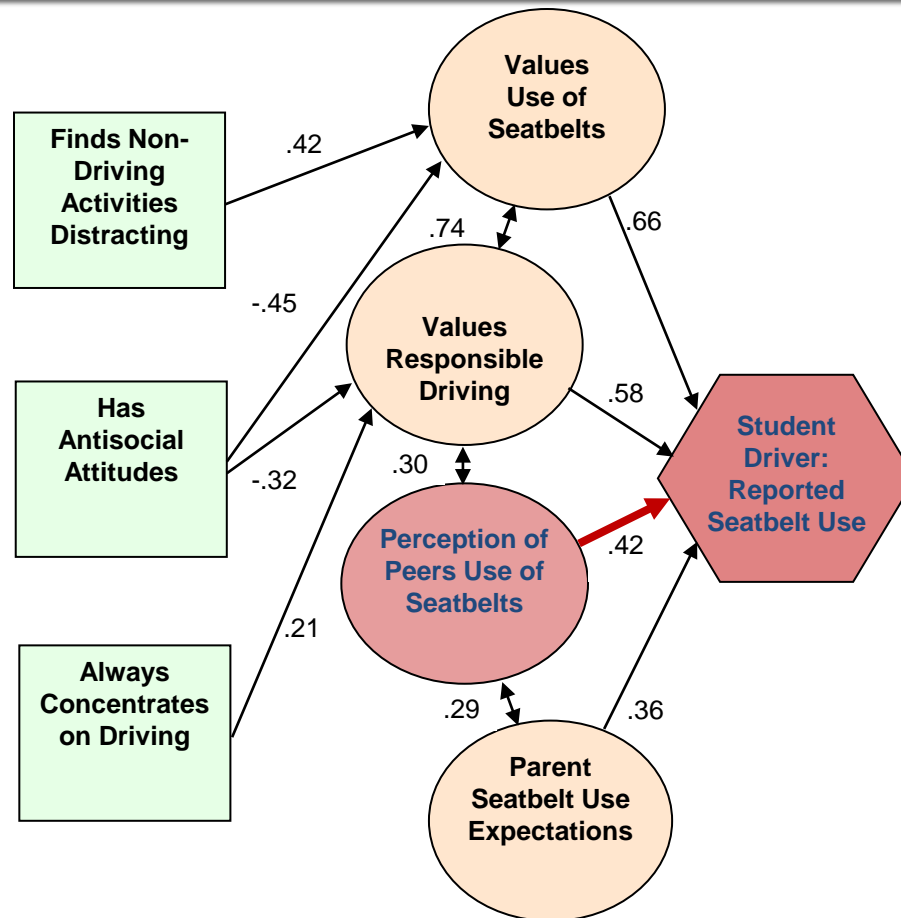
- **Study Purpose:** Explore population-level methods to modify youth-specific factors in the safety culture contributing to seatbelt use, Funded by NHSTA
- **Research Design:** Two Most of Us® “intervention” high schools and 2 “comparison” schools, 15-month (2006-2008), school-based comprehensive social norms media campaign, baseline and follow-up surveys administered, pre-post intervention seat belt use observed
- **Student Subjects:** Tucson, Arizona. 3,344, 9th – 12th-grade students, 893 licensed drivers



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PCN Empirical Example: Variables Mediating Seat Belt Use



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Ironwood Ridge website poll says:

Seatbelts matter because...



- ▶ I want to **avoid injury**
- ▶ I **care** about the **safety** of my **family**
- ▶ I **care** about the **safety** of my **friends**

ironwoodridgeseatbelt.com Prizes. Log on again & again!

MOST of us[®]



Ironwood Ridge Survey Shows:

MOST of Us
value responsible driving
and wear seatbelts.



2/3 of us think cell phones
are distracting while driving.

Safety Culture Study Results

- **Accurate, Positive Social Norms:** Students in the intervention schools increased the accuracy of their perception of the true norm in the population (peer seat belt use) 21% to 36% ($p < .001$)
- **Seat Belt Use:** Students in the intervention schools did not report that they used seat belts more following the campaign than did students in the comparison schools. Independent observation showed a change slightly favoring the intervention schools ($p < .16$)

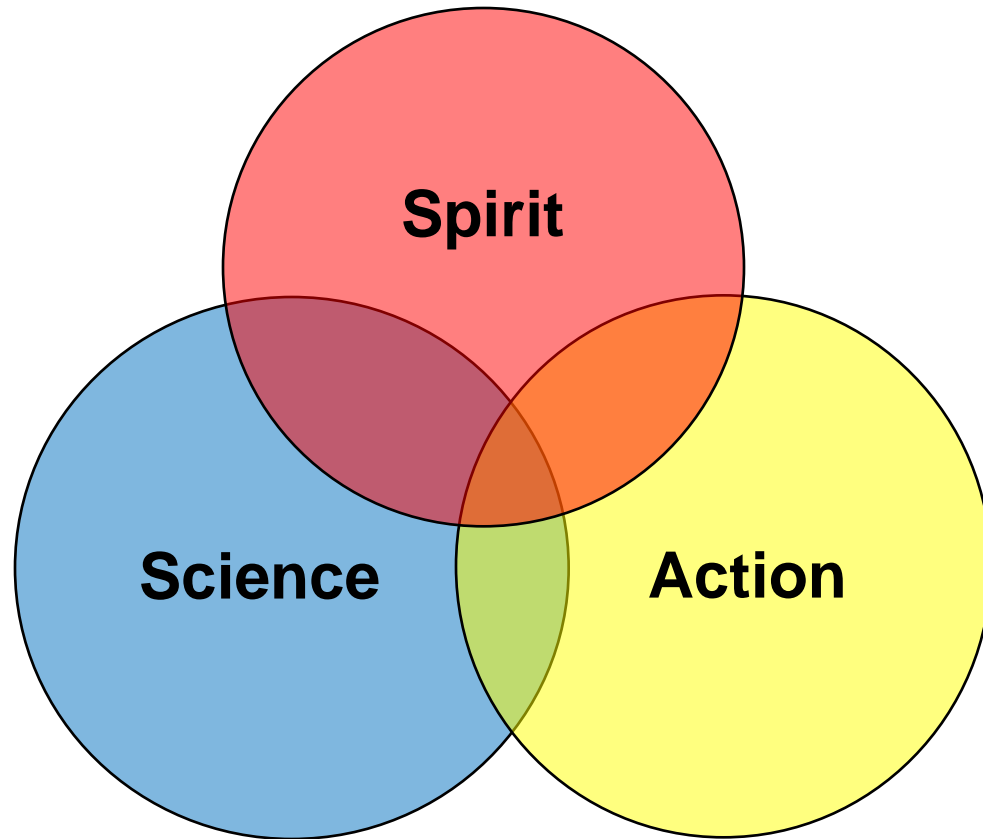


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Science of the Positive™

A framework for improving community health



The solutions are in the community.



*"If you are here to help me, then you are
wasting your time;
but if you have come because your
liberation is tied up in mine,
then let us begin."*

Lila Watson, Australian Aborigine



Questions and Discussion



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