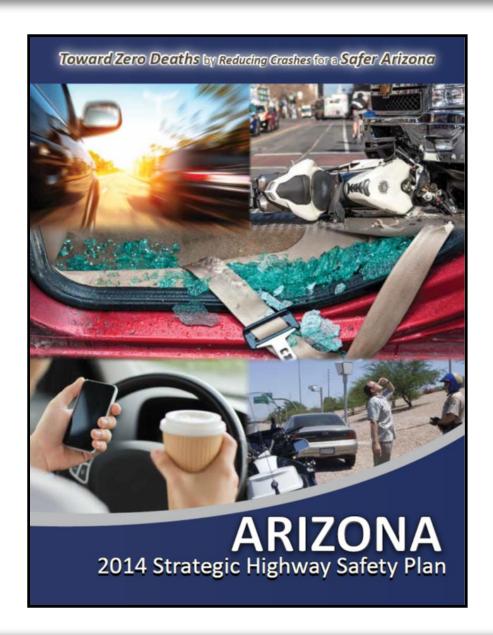
Road User Behavior

Richard S. Weeks, PE, PTOE, State Traffic Safety Engineer

2015 ASCE/ASHE State Conference September 11, 2015









2014 SHSP EMPHASIS AREAS

TOP FOCUS EMPHASIS AREAS

SPEEDING AND AGGRESSIVE DRIVING

IMPAIRED DRIVING

OCCUPANT PROTECTION

MOTORCYCLES

DISTRACTED DRIVING

ROADWAY INFRASTRUCTURE AND OPERATIONS

AGE RELATED

HEAVY VEHICLES / BUSES / TRANSIT

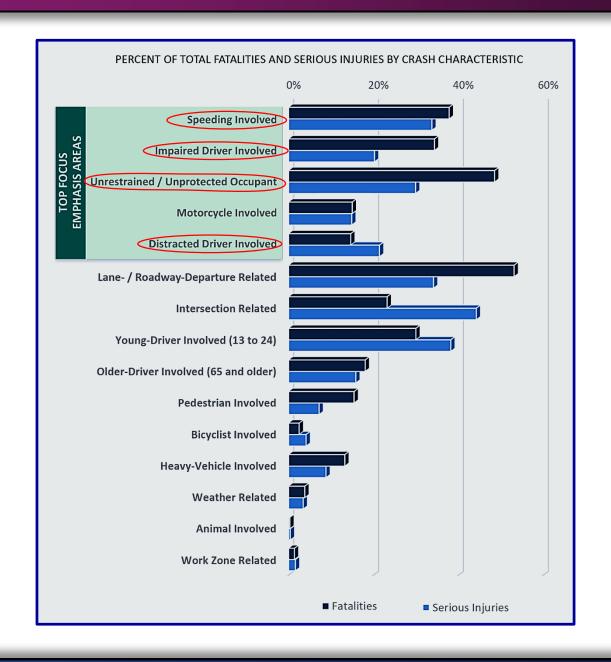
NONMOTORIZED USERS

NATURAL RISKS

TRAFFIC INCIDENT MANAGEMENT

INTERJURISDICTIONAL

Risky Behavior



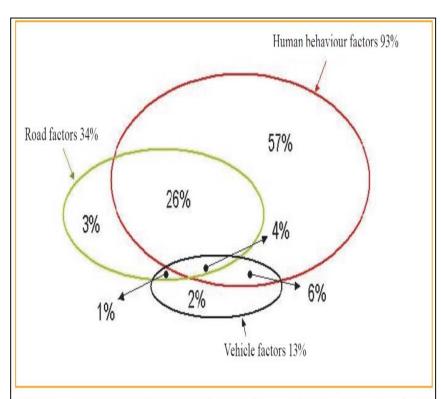
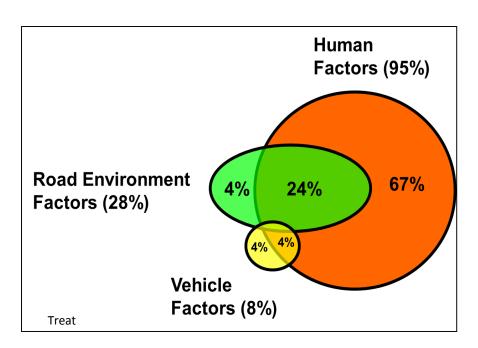


FIGURE 2 – ACCIDENT CONTRIBUTING FACTORS (Source: PIARC Road Safety Manual, 2003)



Haddon Matrix

Human

Vehicle

Environment

Pre-Event







Event





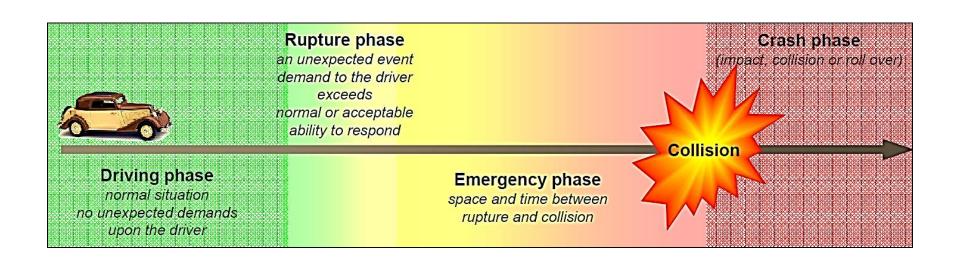


Post-Event







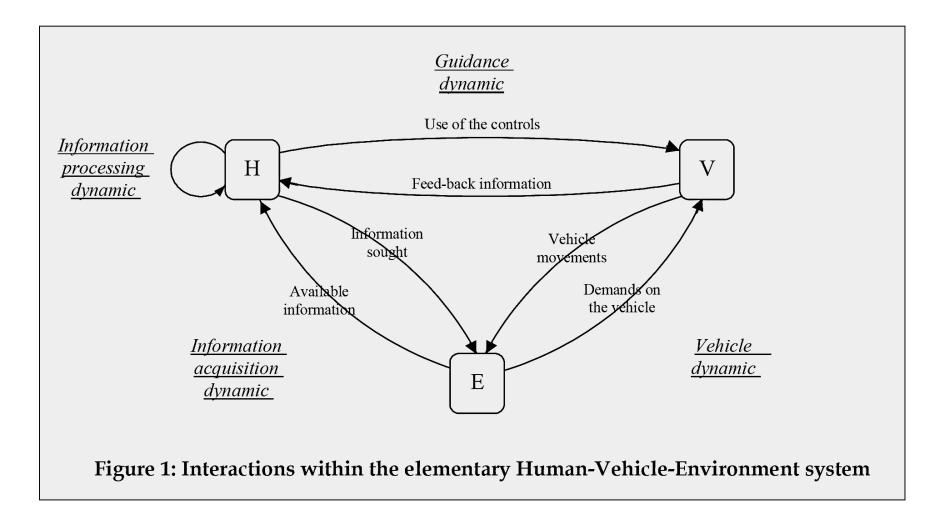


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A MODEL for Human Information Processing

- 1. Sensory Processing
- 2. Perception
- 3. Memory and Cognition
- 4. Response Selection and Execution
- 5. Feedback
- 6. Attention

8a. Human Information Processing.ppt



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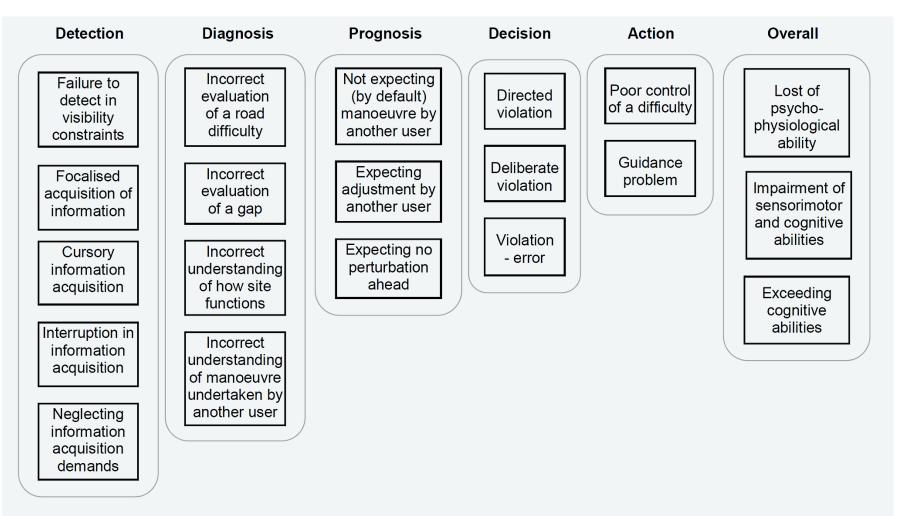
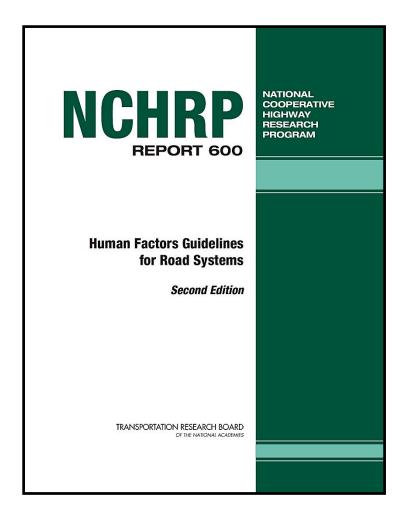
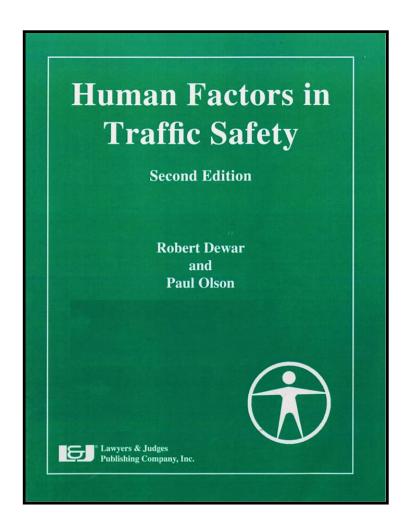


Figure 7: Delineation of functional failures found in In-depth accident data

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SPEEDING AND AGGRESSIVE DRIVING

IMPAIRED DRIVING

OCCUPANT PROTECTION

DISTRACTED DRIVING



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