



TRCC & Data Linkage

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Overview

- Background on the TRCC
- Highlight crash records initiatives
- CODES linking data

TRCC Membership

Supreme Court
BCA
U of MN - CTS
DVS
Federal Motor Carrier
Federal Highway Administr.
EMS Regulatory Board
MDH - Health Promotion
MN Hospital Association
MN Trucking Association
Homeland Security

DPS Commissioner's Office
OTSS
Office of Traffic Safety
MN State Patrol
MN Chiefs of Police Association
State Farm Insurance
MnDOT Office of Traffic Engin.
Washington County

Mission of TRCC



- The mission of the TRCC is to ensure high quality traffic data, information, and systems in order to improve roadway transportation safety.

Traffic Records includes...



- Crash records
- Drivers license issuance and compliance
- Motor vehicle registration
- Roadway inventory data
- Outcome/injury surveillance data
- Citations and adjudication

MN Traffic Records Owners & Data

DOT

- Roadway Inventory Data

DPS

- Crash data
- Motor vehicle
- Drivers' licenses
- Commercial MV
- Conviction data
- DWI data
- Traffic citations

MDH

- Hospital U.B.
- Death Certificates
- Traumatic Brain Injury

MN Courts

- Conviction data
- Traffic citations

EMSRB

- Ambulance data

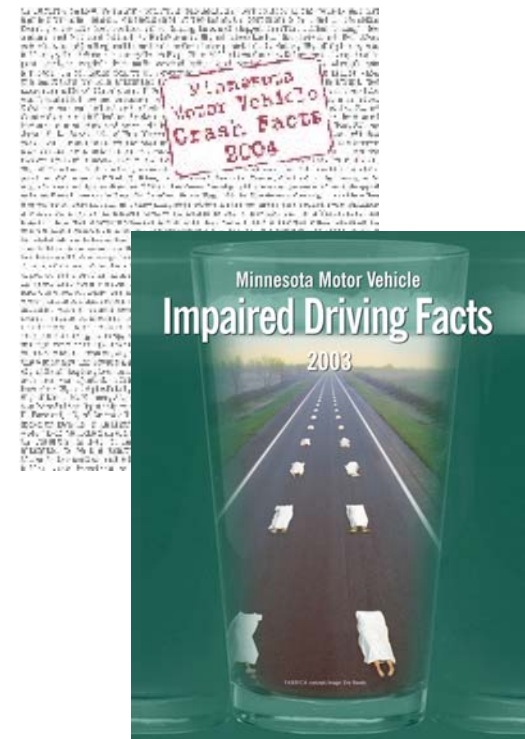
#1: Crash data standards & interface

- Problem:
 - Large LE agencies creating crash report module to their own RMS
 - No standards to follow
 - No electronic interface to upload data to DVS = DVS staff will be buried in paper crash reports
- Project Impact: High

Crash Database Interface Resources

- Crash Data Users Guide
- Interface to be released in January 2008
- Grant funds to be made available for agencies

Download from OTS website:
www.dps.state.mn.us/ots/crashdata



#2: Integrate GPS & GIS capability into crash record

- Problem:
 - MnDOT engineers would like to receive more timely and accurate data
 - DVS staff backlogged in locating crashes
- Project Impact: High

#3: Training for Law Enforcement on Crash Data Collection

- Problem:
 - Many officers not aware of uses of crash data
 - More agencies not writing property damage only crashes or not thoroughly completing crash report data fields
- Project Impact: Moderately High

Training Resources



- Crash Collection E-learning module
 - To be release in December 2007 along with a training video
- CVARS E-learning module currently available on OTS web site

#4: CODES Project

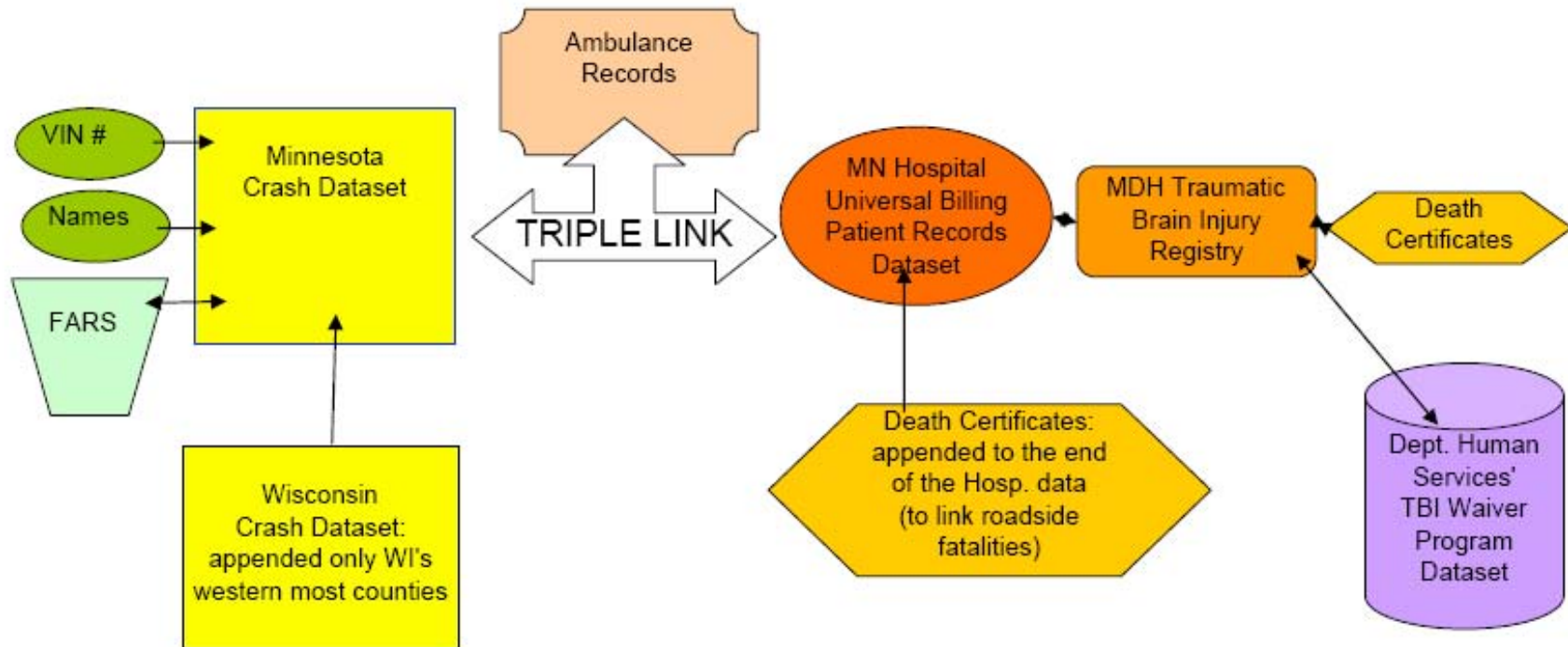
- Linking crash and hospital outcome data

Linking Data

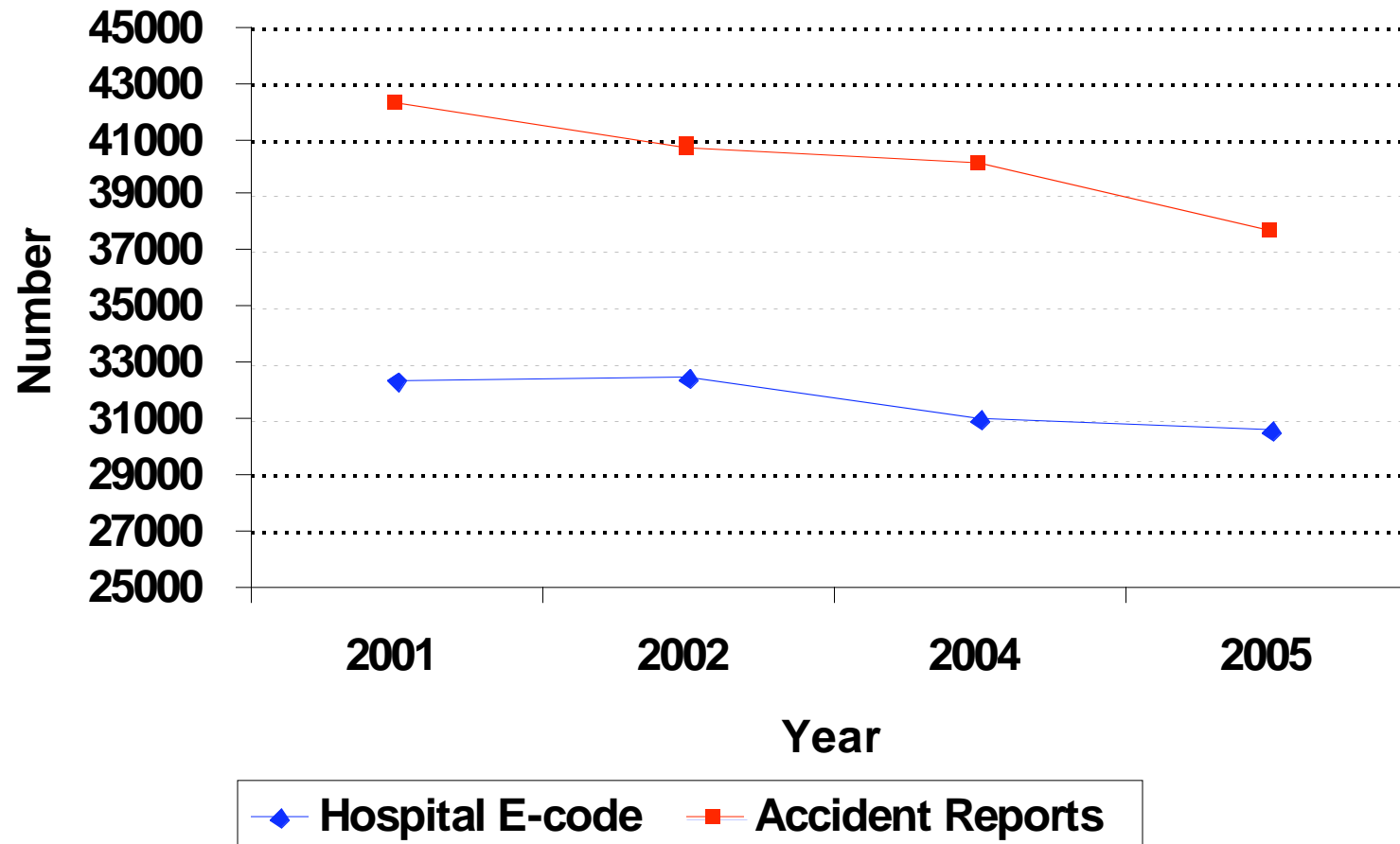
Future Linkage Methodology

2004 Crash Databases Linking

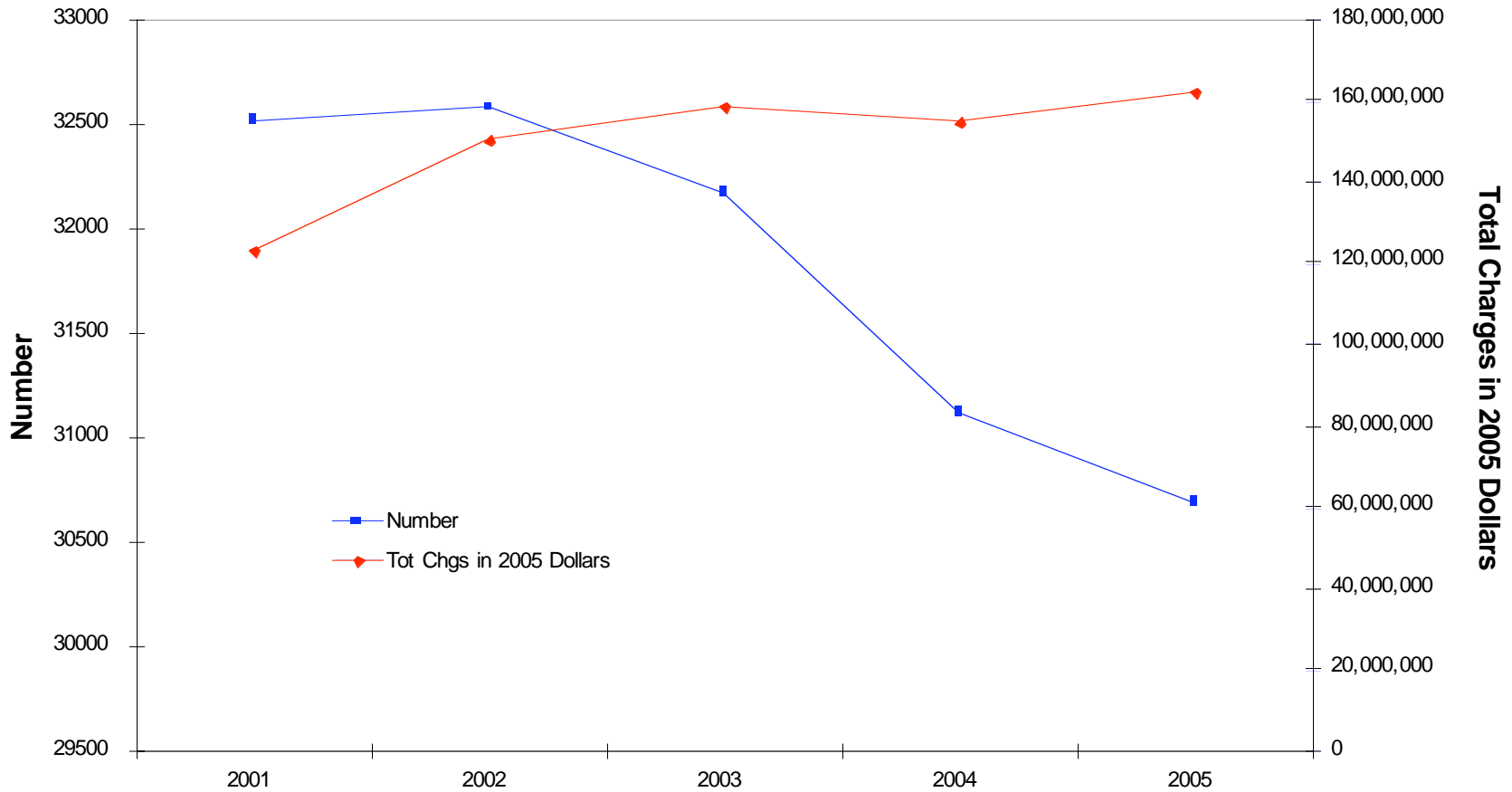
2004 Outcome Databases Linking



E-coded Nonfatal Hospital-treated MVC by Year

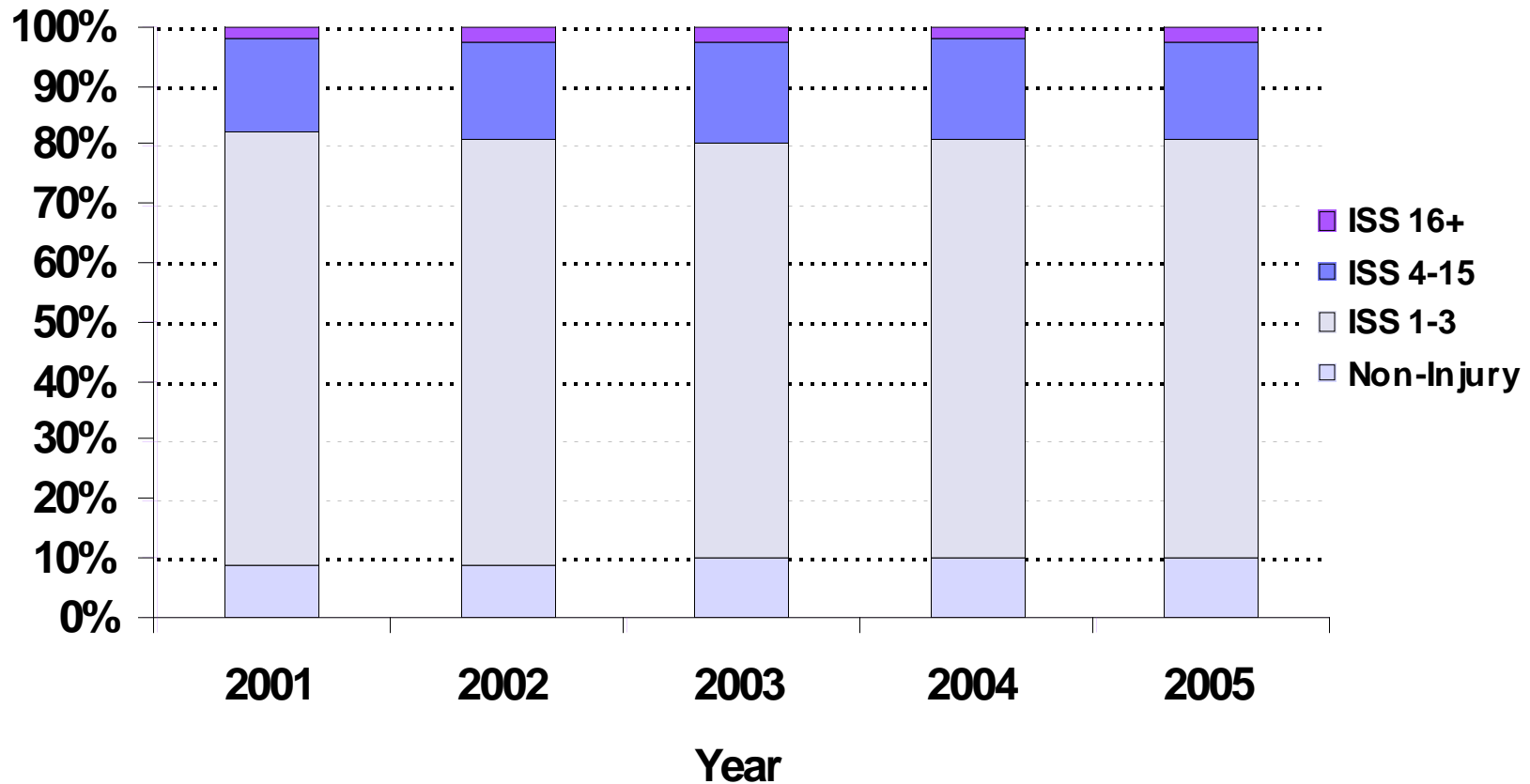


E-coded Hospital-treated MVC by Year, Number and Total Charges, Minnesota 2001-2005



E-coded Nonfatal Hospital-treated MVC by Year and Severity

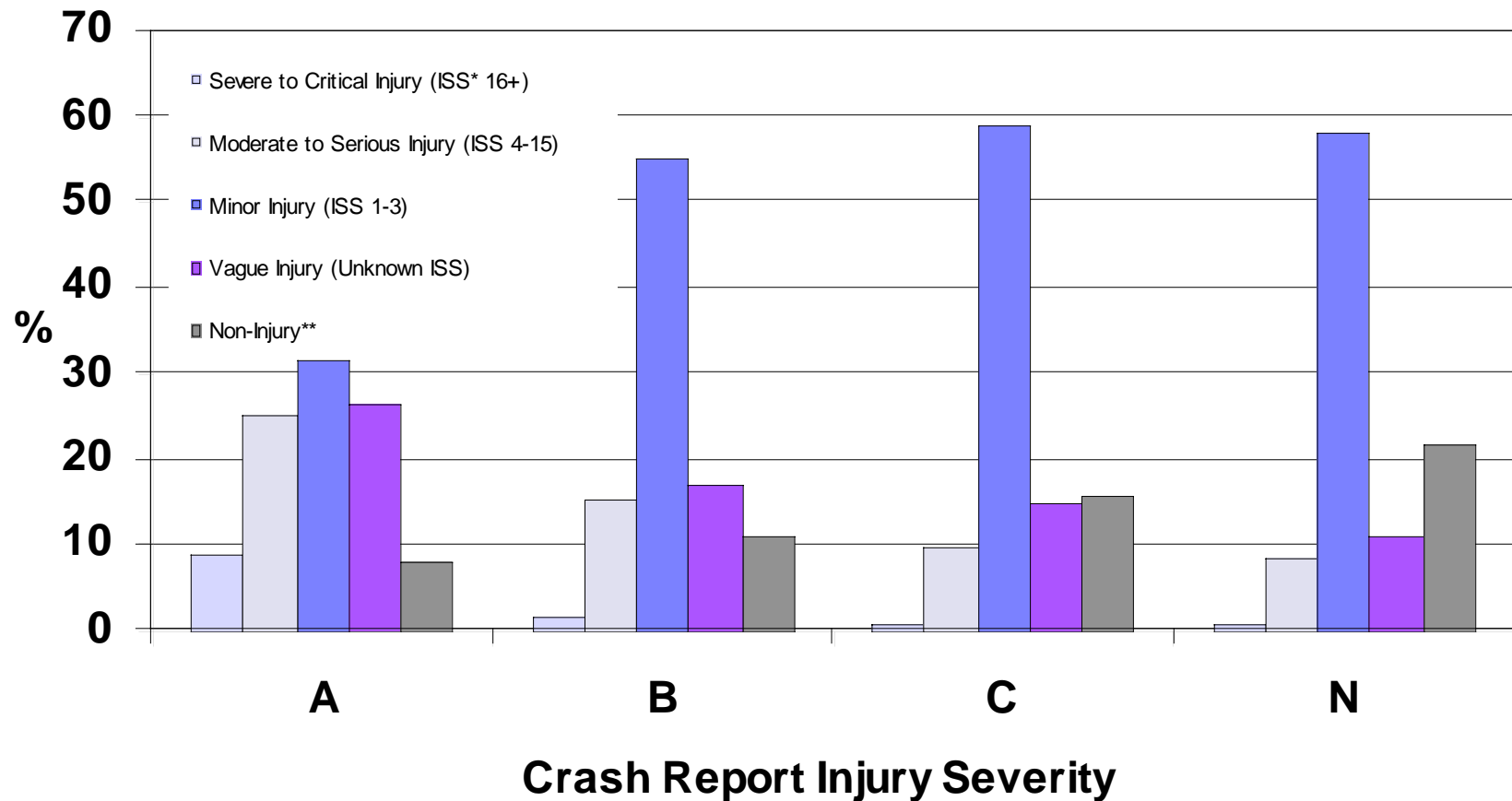
(No significant trend)



*ISS=Injury Severity Score

**Non-injured hospital-treated cases include observation following motor vehicle crash, neck/back pain, and chemical abuse treatment.

Hospital Severity Percent by Crash Severity, Nonfatal Hospital-treated MVC, 2002 CODES Linked Data



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Effects of Seat Belt Use

