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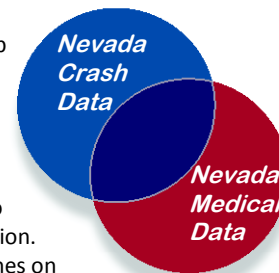
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The University of Nevada School of Medicine (UNSOM) and the Nevada Department of Public Safety, Office of Traffic Safety have formed a partnership to establish a state repository for crash medical outcomes data.

Nevada Motor Vehicle Crash records from 2005-2013 were linked to Nevada trauma records from the four Nevada trauma centers: University Medical Center, Renown Regional Medical Center, Dignity Health - St. Rose Dominican Hospital, and Sunrise Medical Center. These records were linked to create a unique database that includes crash scene data and hospital information. This integrated information allows us to better understand the impact of crashes on human life, cost of care to our medical facilities, and our state economy.



Pedestrian Crashes in Nevada : Improper Crossing and Dark Clothing Factors


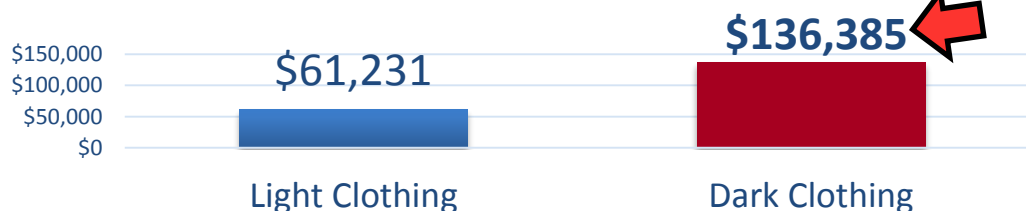
- Improper Crossing:** In 2013,  **1 in 4** pedestrian crash patients (29%; N=40) brought to a trauma center in Nevada **were crossing improperly**. Statewide crash data linked with all four trauma center data found that compared with patients who didn't improperly crossing, patients who crossed the streets improperly had:
 - more severe face injuries (p=.013)
 - longer hospital (p=.001), ICU (p=.051), and ventilator (p<.001) days
 - higher accrued hospital charges (Fig.1, p<.001)

Fig 1. Median Accrued Hospital Charges Improper Crossing vs. Not (p<.001)



- Dark Clothing:** In 2013, 5% of pedestrian crash patients (N=8) had dark clothing when the pedestrian crash happened. Even though this number is relatively low, patients who had dark clothing had:
 - more severe injuries generally (higher ISS and NISS, p=.004)
 - more severe abdomen (p=.034), chest (p<.001), and extremities (p=.034) injuries.
 - higher accrued hospital charges (Fig.2, p=.039)

Fig 2. Median Accrued Hospital Charges: Dark Clothing vs. Not (p=.039)



• **These injuries and costs are avoidable. Choose to cross at the crosswalk and wear light/reflective clothing!**