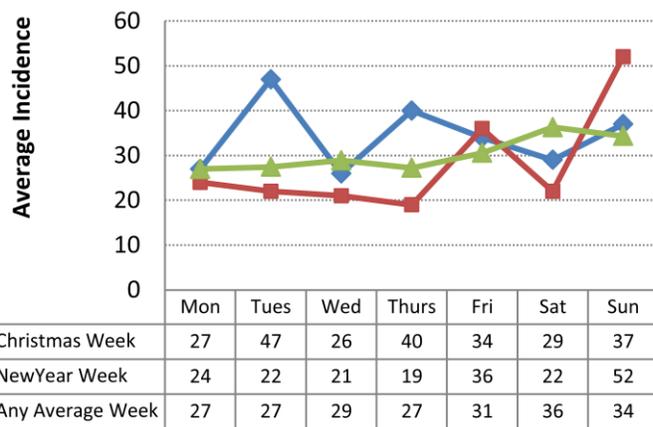


SOBERING INJURY-RELATED DATA ON CHRISTMAS WEEK AND NEW YEAR'S EVE

The Christmas and New Year's holidays are times for reflection, giving thanks, making plans, and celebration for many throughout the world – and Arizona is no exception. Along with the holiday festivities come a certain amount of injuries. In this report, Christmas week is counted from Monday December 21, 2009 to Sunday, December 27, 2009, with Christmas Day falling on a Friday. The New Year week is counted from Monday, December 28, 2009 to Sunday, January 3, 2010, with New Year's Day 2010 also on a Friday. Data Sources: Arizona State Trauma Registry (ASTR) 2009/2010; Hospital Inpatient and Emergency Department Discharge Database 2010.

Graph 1: Motor Vehicle Traffic Related Trauma ASTR 09-10



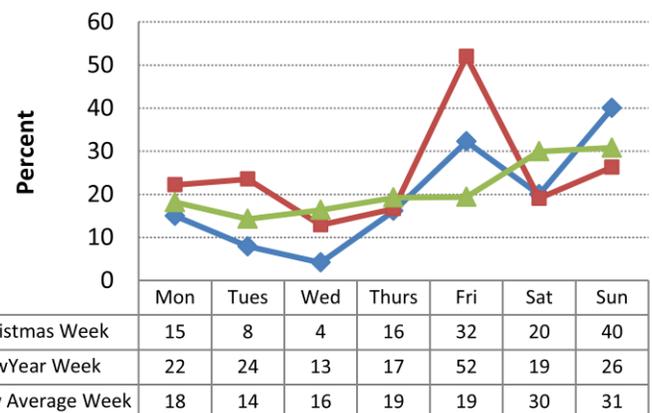
Graph 1: MVT Related Trauma ASTR 09-10

For any average week of the year 2009, 212 Motor Vehicle Traffic (MVT) related traumas were reported to the Arizona State Trauma Registry (ASTR). During the Christmas week, 242 MVT related traumas were reported (a 13% increase over an average week of 2009). During the New Year week, 196 MVT related traumas were reported (an 8% decrease over an average week of 2009). An increased occurrence of MVT related traumas were observed on the Tuesday of Christmas week (47 MVT incidents, an increase of 71%) and on Christmas Eve Thursday (40 MVT incidents, an increase of 47%) as compared to an average week of the 2009 year (Graph 1).

Graph 2: Motor Vehicle Traffic Related Trauma and Suspected/Confirmed Alcohol: ASTR 09-10

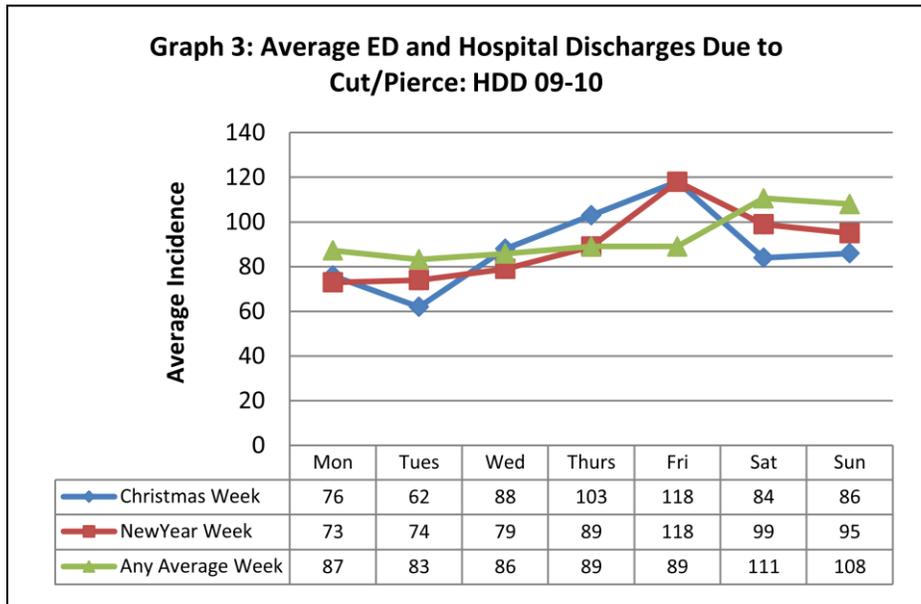
The incidence of MVT related trauma on Christmas Day and New Year's Day (Fridays) were very similar to any average Friday of the rest of the year (Graph 1). However, alcohol was more likely to be involved in the MVT related trauma if the Friday was a holiday (Graph 2). One-third of MVT related traumas on Christmas Day involved alcohol (a 13% increase over an average Friday of 2009), while one-half of MVT related traumas on New Year's Day involved alcohol (a 33% increase over an average Friday of 2009).

Graph 2: Motor Vehicle Traffic Related Trauma and Suspected/Confirmed Alcohol: ASTR 09-10

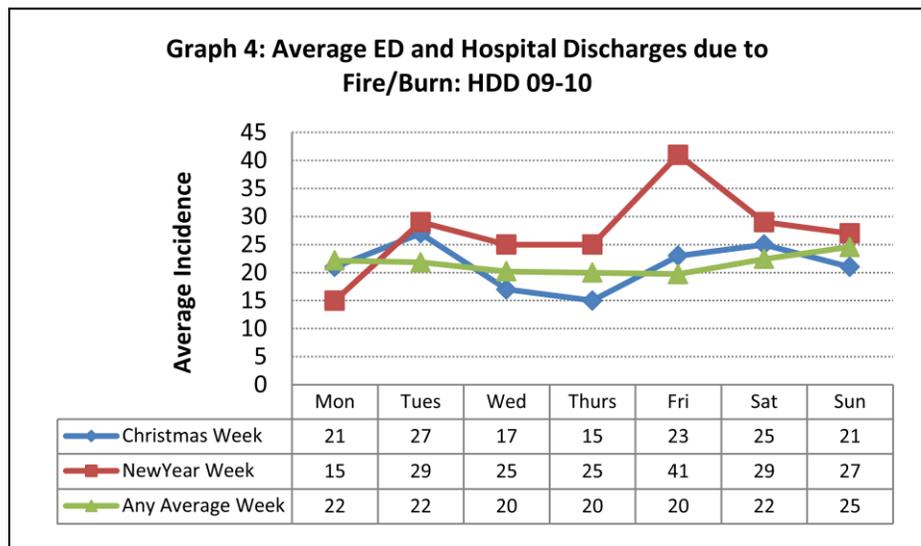


Using the Hospital Discharge Database (HDD 2009-2010), some other injuries were also found to be high during these holiday weeks. Injuries from cutting and piercing instruments were higher on Christmas Day and New Year's Day (Fridays), a 33% increase over an average Friday of 2009 (Graph 3). More injuries from fire/flames and hot objects/substances were observed throughout the entire New Year Week (191 incidents), a 27% increase over an average week of 2009 (151 incidents). On the New Year's Day, the incidence of fire/burn doubled as compared to an average Friday of 2009 (Graph 4).

Graph 3: Average ED and Hospital Discharges Due to Cut/Pierce: HDD 09-10



Graph 4: Average ED and Hospital Discharges due to Fire/Burn: HDD 09-10



Although not shown in the graphs above, a 40% increase in poisonings was observed on New Year's Day (Friday) (69 incidents) as compared to an average Friday of 2009 (49 incidents). Assaults (unarmed or using blunt/thrown objects) were also very high on New Year's Day (104 incidents), 2.5 times higher as compared to an average Friday of 2009 (30 incidents).

Footnote: The injury day of the week is determined from the date the patient arrived at the hospital. Thus patients who were injured while driving to or from a New Year's Eve celebration may have arrived at the hospital the night of December 31 or early morning on January 1. The actual injury day would depend if the patient arrived before or after midnight.

ADDITIONAL RESOURCES:

Governor's Office of Highway Safety (<http://www.azgohs.gov/>)

Arizona Motor Vehicle Crash Facts 2011 (<http://www.azdot.gov/mvd/Statistics/crash/PDF/11crashfacts.pdf>)

Arizona Department of Health Services (<http://www.azdhs.gov/index.htm>)

Bureau of Emergency Medical Services and Trauma System (<http://www.azdhs.gov/bems/index.htm>)