

<b>UTC Project Information</b>	
Project Title	MPC-367 – Developing Statistical Models for Crash Severity Comparing Statewide, County and Indian Reservation Roads
University	University of Wyoming
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Funding Agencies	USDOT, Research and Innovative Technology Administration
Agency ID or Contract Number	DTRT12-G-UTC08
Project Cost	\$154,305.36
Start and End Dates	January 1, 2012 – December 31, 2013
Project Duration	2 Years
Brief Description of Research Project	<p><b>Research Needs:</b> Safety research projects utilize crash data to develop methodologies to prioritize safety improvements. Analyzing crash severity and factors that influence crashes needs to be approached utilizing statistical modeling. Weighing the many variables that appear to contribute to severity requires the proper statistical model to identify trends and bring about systematic recommendations for reducing fatalities and severe injury crashes on Wyoming roadways. Over the years, several states developed statistical models to analyze crash data. Developing a suitable model for the roadways in Wyoming must take into account the unique characteristics of the highway system and roadway users. Wyoming is a very large state in area and the least populated in the country. Roadway miles traveled per capita is high and traffic volumes are low. In addition, the state has lots of rural roads managed by the state DOT, local governments, and the Indian tribes. A custom statistical model will provide a tool to review crashes in their context of the state primary and secondary systems, on local county roads and the Indian reservation.</p> <p><b>Research Objectives:</b> The objective of this research is to develop statistical models for crash severity and compare the respective results of the models for the statewide, county and Indian reservations roads.</p>
Describe Implementation of Research Outcomes (or why not implemented)	
Place Any Photos Here	

Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links <ul style="list-style-type: none"><li>• Reports</li><li>• Project Website</li></ul>	<a href="https://www.ugpti.org/resources/reports/details.php?id=824">https://www.ugpti.org/resources/reports/details.php?id=824</a>