

The estimated economic value of
Minnesota's

TZD program
2003 - 2016

Over 3081 Minnesotans alive today
due to TZD efforts



Economic Savings Calculations

- Kept the 2003 totals of each type of crash (fatalities, severe moderate & minor injuries, property damage) as a base line and subtracted total crash types in following years from that base line.
- Multiplied the differences by the estimated cost shown in Minnesota Crash facts for that year for that particular crash type.

Crash Facts Estimated Economic Cost for each Type of Crash

INTRODUCTION

At the end of the 2003 calendar year, 1,811,036 people held Minnesota driver licenses and 4,632,664 motor vehicles were registered in the state. Vehicles traveled approximately 875.46 billion miles on public roadways in the state. There were 92,274 traffic crashes, 567 people died and 48,223 people were injured in these crashes. This report provides a statistical summary of these crashes.

The purpose of Crash Facts is to provide necessary statistical information about the crashes reported to the state each year. The term "crash" is used as defined by "accident." The latter term suggests there is a reaction, recognizable quality about the event in question. In fact, the operation of the law and judicial stringency demonstrates that advances in engineering and technology, coupled with changes in public policy and individual human behavior, can dramatically reduce the number and severity of traffic crashes.

Cost of traffic crashes

The accuracy of getting from one place to another and the efficiency of motor vehicles for this purpose must be equivalent costs to society. The National Safety Council reports that crashes cause 43 percent of the leading cause of death among persons aged 1 to 14 and are fifth leading cause of death among all persons (Crash Facts 2003 Edition at 20-17).

It is possible to estimate economic costs of traffic crashes, although the results are very dependent on definitions and estimating procedures. Many states use the National Safety Council's economic cost figures. In these reports, the total economic loss from 2004 traffic crashes in Minnesota was \$1,769,484,700. A figure that is calculated as follows:

Cost	Per Person	Per Vehicle
1,769,484,700	\$1,032	\$379
1,245,000,000	\$743	\$213
524,484,700	\$295	\$86

Minnesota Motor Vehicle Crash Facts, 2004 page 1 Department of Public Safety, Office of Traffic Safety

Introduction

At the end of the 2016 calendar year, 4,155,059 people held Minnesota driver licenses and 12,221,020 motor vehicles were registered in the state. Vehicles traveled over 54 billion miles on public roadways. There were 26,861 traffic crashes, 792 people died and 29,823 people were injured in these crashes. This report provides a statistical summary of these crashes.

The purpose of Crash Facts is to provide necessary statistical information about the crashes reported to the state each year. The term "crash" is used in preference to "accident." The latter term suggests there is a reaction, recognizable quality about the event in question. In fact, the experience of the last three decades strongly demonstrates that advances in engineering and technology, coupled with changes in public policy and individual human behavior, can dramatically reduce the number and severity of traffic crashes.

Cost of motor vehicle crashes in 2016:

Cost	Per Person	Per Vehicle
1,874,222,000	\$451	\$154
1,399,000,000	\$336	\$112
475,222,000	\$115	\$39

It is possible to estimate economic costs of traffic crashes, although the results are very dependent on definitions and estimating procedures. Many states use cost figures released by the National Safety Council. The most recent of which was 2016. Data based upon these, the total economic loss from 2016 traffic crashes in Minnesota was \$1,874,222,000, a figure that is calculated as follows:

Minnesota Motor Vehicle Crash Facts, 2016 page 1 Department of Public Safety, Office of Traffic Safety

TOTAL COST FOR ALL TYPES OF CRASHES:
 2004 = \$1,769,484,700 2016 = \$1,874,222,000

Crash Facts Estimated Economic Cost for each Type of Crash

Cost of Motor Vehicle Crashes in 2004

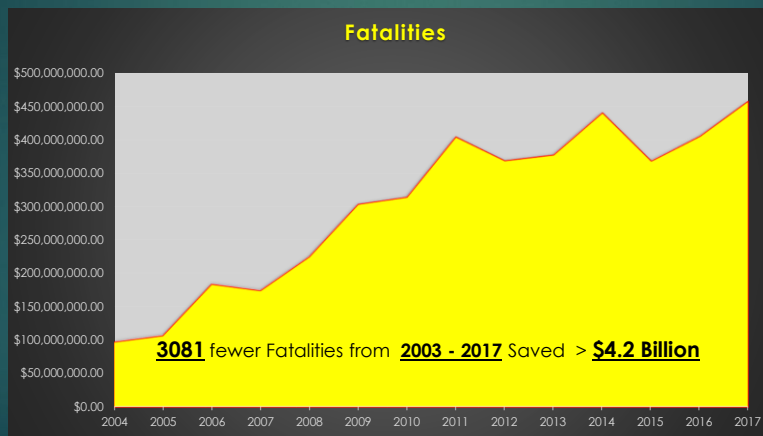
567	deaths	@	\$1,120,000	=	\$635,040,000
2,424	severe injuries	@	\$55,500	=	\$134,532,000
12,416	moderate injuries	@	\$18,200	=	\$225,971,200
25,233	minor injuries	@	\$10,300	=	\$259,899,900
62,688	property damage crashes	@	\$8,200	=	\$514,041,600
Total				=	\$1,769,484,700

Cost of Motor Vehicle Crashes in 2016:

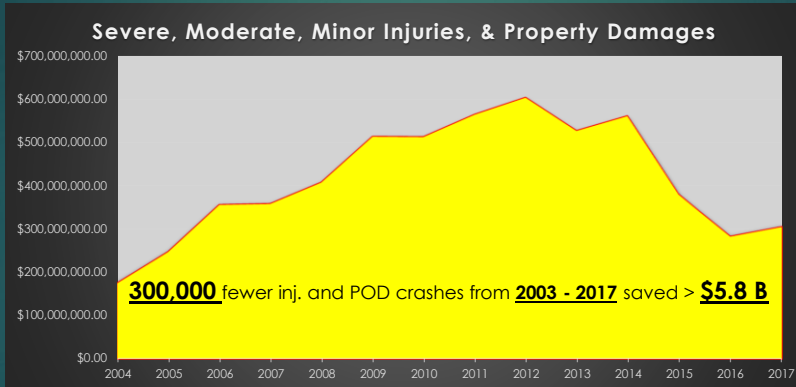
392	deaths	@	\$1,542,000	=	\$604,464,000
1,992	serious injuries	@	\$90,000	=	\$179,280,000
11,097	minor injuries	@	\$26,000	=	\$288,522,000
16,736	possible injuries	@	\$21,400	=	\$358,150,400
105,668	PDO crashes ¹	@	\$4,200	=	\$443,805,600
Total:					\$1,874,222,000

Total Vehicle Crash Cost 2004 – 2016 = \$19,303,910,000

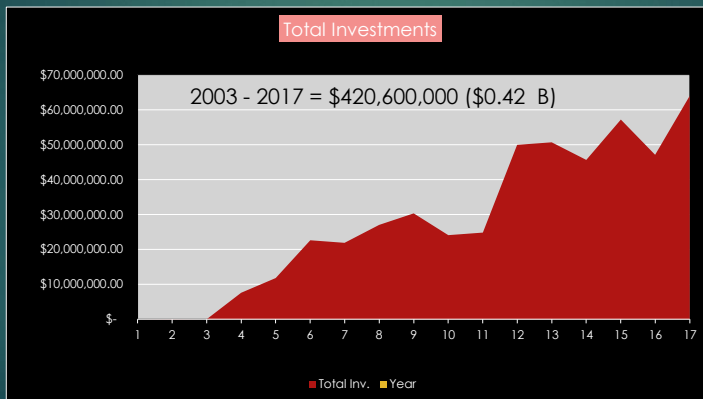
The Estimated Economic Savings from Fewer Fatalities

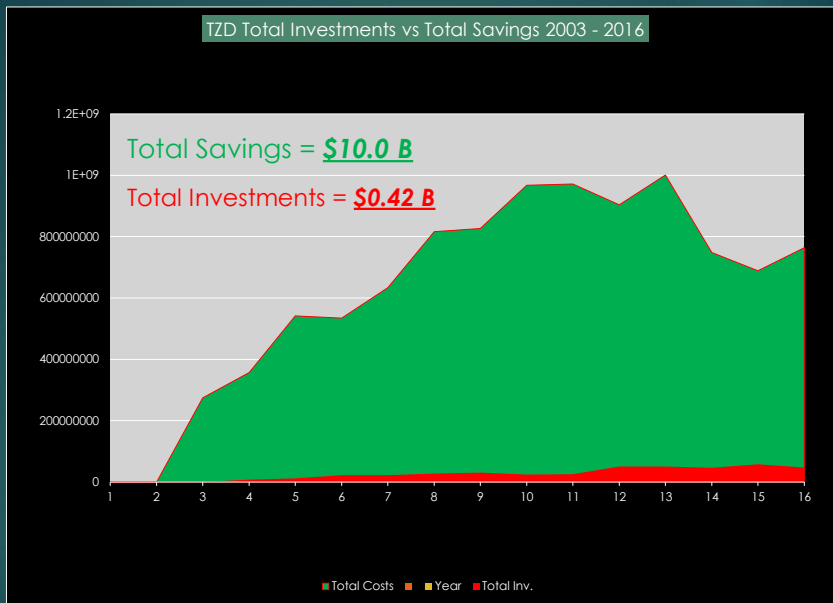


Fewer Crashes = Fewer Injuries = Savings



TZD funding from the Highway Safety Improvement Program 2003 - 2017





TZD's Estimated Economic Savings

- ** More than 3081 people alive today!!
- ** > 17,507 Fewer Serious injury crashes!
- ** More than 177,973 Fewer moderate and minor injurie crashes!
- ** more than \$10 Billion in Economic Savings due to fewer crashes of all types.

What's Next?

- More Education efforts are needed to bring awareness of the importance of developing safe driving habits.
- More contact with businesses and schools, civic groups, county boards, city councils, etc.

Drive safe out there, don't
text!

