PREFACE

The 1992 traffic fatality count was 1,300, down 8.8 percent from the 1991 figure of 1,425. Compared with 1991, injuries were down 12.6 percent and total crashes were down 5.5 percent. These figures translated into a death rate of 1.5 per 100 million miles of travel, down 11.8 percent from the death rate of 1.7 reported in 1991.

Exposure factors in 1992 showed across the board increases. They included motor vehicle registrations up 1.1 percent to 7.41 million; vehicle travel mileage up 2.5 percent to 84.0 billion; and the number of licensed drivers up 2.3 percent to 7.78 million.

Substantial reductions in total reported crashes and increased travel were credited with the lowered death toll and rate in 1992. Restraint usage continues to be elusive and reads like fact and fiction: While direct observation studies report an approximate 57.0 percent usage rate, the usage rate gathered from accident reports came in at 76.6 percent. Alcohol involvement, especially in fatal crashes, still takes its toll.

Data on crashes in this booklet were obtained from 1992 Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

This publication was produced for the Office of Highway Safety Planning by the University of Michigan Transportation Research Institute with data on file at the Michigan Department of State Police as of July 19,1994.

We acknowledge, with appreciation, all involved agencies for their assistance.

Col. Michael D. Robinson, Director Michigan Department of State Police



INTRODUCTION

The data contained in this report was submitted by Michigan's 660+ law enforcement agencies on the

revised Uniform Traffic Crash Report (UD-10). For several reasons, the reader is cautioned to treat

the 1992 data as "transitional." Direct comparisons and trends using data from this report

should be made cautiously.

The need to develop a more efficient way to process the 410,000+ crash forms received each year by

the Michigan State Police, Criminal Justice Data Center, became apparent in the early 1990s. The UD-

10 was drastically redesigned in 1992, the first time in some 20 years, allowing an optical scanning

device to "read" data "bubbles" and store the information on computer. This greatly reduced the amount

of time necessary to process each form.

Unfortunately, computer applications have their share of technical challenges. In some instances, the

computer read the data and accepted the information verbatim, regardless of logic. Every effort was

made to process all "readable" reports in the system. An estimated 6-10% of the UD-10 forms

submitted for 1992 could not be processed due to physical damage to the form or technical problems

with the data recorded on the form. However, a considerable amount of research was conducted on

1992 fatal crashes to assure that fatal counts in this report accurately match those reported to the

US Department of Transportation's Fatal Accident Reporting System (FARS).

Inadvertent errors by the officer completing the form also contributed to the problem. The most frequent

errors attributed to the investigating officer were, and continue to be, incorrectly filled or unfilled

bubbles; stray marks, marks outside a box or marks in the margin; incorrect or missing Override

numbers and failure to correctly date the second page or corrected copy.

Numerous computer software changes were made after 1992 as changes to the UD-10 form itself. We

anticipate that 1993 data will be improved in quality over 1992 data. We are also reviewing the training

material and Instruction Manual. Our commitment to the people of Michigan and to the many

transportation-related agencies that rely on this data for improving traffic safety is to continue refining

both the UD-10 form and computer software to obtain the highest quality crash data the process will

allow.

Setty J. Miercer
BETTY J. MERCER

Executive Director

Office of Highway Safety Planning

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