Eliminating Serious Injury and Death from Road Transport: A Crisis of Complacency
Contents

Preface...........................................................................................................xi
Acknowledgements.......................................................................................xiii
About the Authors.........................................................................................xv
Explanatory Note ..............................................................................................xvii

Chapter 1  Eliminating Serious Injury and Death from Road Transport Is
Not a Pipe Dream..........................................................................................1

Chapter 2  Serious Crashes Happen to Real People .........................................5
  2.1  Noel and Jan’s Story...........................................................................6
  2.2  Sam’s Story .....................................................................................11
  2.3  Abbey’s Story ...............................................................................16
  2.4  Three Stories among Tens of Thousands .......................................19

Chapter 3  The Way We View Safety Is a Big Part of the Problem .................21
  3.1  International Concern is Focussed on the Motorising
      World, Not on “Us” .........................................................................21
  3.2  Should We Measure Safety as Actual Numbers or
      as Rates? ....................................................................................26
  3.3  Why Do We (Mostly) Rely on Death Counts and
      Death Rates? ..............................................................................30
  3.4  Transport Safety Rate ...................................................................32
  3.5  Personal Safety Rate .....................................................................34
  3.6  So What Measure Should We Use? ..............................................35
  3.7  How Much Risk Is Too Much? ....................................................37

Chapter 4  The Car in Society .........................................................................39
  4.1  Car Dependence and Its Legacy .....................................................39
  4.2  Car Culture ...................................................................................42
  4.3  Driving Culture—Right versus Responsibility .............................46
  4.4  Risk-Taking Behaviour ..................................................................49
  4.5  Prevailing Culture of Blame ..........................................................51
  4.6  Vested Interests and the Rise of “Anecdotal” .................................54
  4.7  Celebrity Culture .........................................................................56
  4.8  Overall Cultural Context ...............................................................57

Chapter 5  Brief History of How and Why Science Takes a Back Seat ............61
  5.1  Stages of Official Thinking about Traffic Safety .........................61
  5.2  Basic Approaches to Injury Prevention ........................................67
Chapter 6  Evolution of Safe System Thinking .............................................. 71
  6.1 Inherent Unsafety of Our Present Road Use System ....................... 71
  6.2 Everyday Error versus Blameworthy Behaviour ............................. 73
  6.3 Decision-Making Context for Public Policy Development ............ 77
  6.4 Making Trade-Off Decisions ...................................................... 79
  6.5 Safe System Approach .......................................................... 81
  6.6 Institutional Management Really Matters ................................... 85

Chapter 7  Serious Crashes Have Impacts Way Beyond Those Injured ...... 89
  7.1 Richard’s Story ........................................................................ 89
  7.2 Kate’s Story ........................................................................... 92

Chapter 8  Approaching Traffic Safety as Preventive Medicine ............ 97
  8.1 WIFM, Freedom of Choice, and the Dilemma of the Commons .... 97
  8.2 Place for a Preventive Medicine Approach ................................ 103
  8.3 Institutions, Vested Interests, and Policy Decision Making ......... 109
  8.4 What Can We Learn from Occupational Safety? ......................... 110
  8.5 Safe Behaviour, Safety Climate, and Safety Culture ................. 115

Chapter 9  Speed Moderation: The Most Difficult Issue of All .......... 117
  9.1 Why Is Speed So Critical? ....................................................... 117
  9.2 Speed and Crash Likelihood .................................................... 118
  9.3 Why Is Kinetic Energy So Important? ....................................... 122
  9.4 Extant Speed Limits and Current Levels of Protection .............. 124
  9.5 Safe Vehicles and Safe Speeds ................................................. 124
  9.6 Safe Roads, Roadside, and Safe Speeds ................................... 126
  9.7 Safe Road Users and Safe Speeds ............................................ 127
  9.8 How, Then, Do We Set Speed Limits? ....................................... 127
  9.9 Social Context of Speed Behaviour ......................................... 129
  9.10 How Might We Achieve Widespread Speed Moderation? .......... 136
  9.11 Conclusion ......................................................................... 140

Chapter 10  Confronting Complacency ................................................. 143
  10.1 Why Traffic Safety Lacks Both a Coherent Constituency and Committed Leadership by Government .................................. 143
  10.2 Understanding the Challenges ............................................... 145

Chapter 11  Six Vital Steps toward Zero .............................................. 155
  11.1 Time for a New Focus .......................................................... 155
  11.2 Constituency ........................................................................ 156
  11.3 Committed Leadership ......................................................... 159
Eliminating Serious Injury and Death from Road Transport

A Crisis of Complacency

Should we really accept road trauma as collateral damage from daily road use? Eliminating Serious Injury and Death from Road Transport: A Crisis of Complacency explores why societies and their elected leaders view traffic safety as a (relatively) minor problem. It examines the changes in the culture of road use that need to occur if this public health problem is to be effectively resolved.

- Examines why road use culture is ego-centric ("what's in it for me?") and why this blocks progress
- Explores current traffic safety measurement methods and demonstrates how they have underpinned our flawed approach
- Discusses the controversial issue of speed and speeding and shows how a new approach to speed management will be fundamental to transformational change
- Details a simple account of the concept of a "Safe System" (as now promoted by the WHO and the OECD) while exploring the failure to get beyond the principles to extensive implementation

The book dispels the myths that currently drive societies' (misguided) view of traffic safety—the bad behavior myth and the official myth that everything that can be done is being done—and how these myths limit progress in reducing death and serious injury. It presents current scientific knowledge and draws parallels with other areas of public safety and health. The book draws on examples from the media and from public policy debates to paint a clear picture of a flawed public policy approach. It presents a model for a prevention medicine approach to traffic safety policy to get beyond an ego-centric culture to a communal safety culture.