

Ageing and Transport

MOBILITY NEEDS AND SAFETY ISSUES

OECD ((1

ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT

TABLE OF CONTENTS

Executive Summary	9
Chapter 1. The Ageing Society	17
Introduction.....	17
Demographic factors.....	17
Ageing and disability.....	22
Conclusions and key points.....	25
References.....	26
Chapter 2. Travel Patterns	27
Introduction.....	27
Travel patterns and lifestyle in different groups of older people.....	28
The use of information and communication technology.....	34
Conclusions and key points.....	34
References.....	36
Chapter 3. Safety of Older Road Users	39
Introduction.....	39
A brief history of research on the safety of older drivers.....	39
Older road users' crash trends.....	40
The fragility of older people.....	43
Older drivers' safety problems.....	44
Older drivers and behavioural adaptations.....	48
Older drivers, functional changes and accident risk.....	48
Older drivers and future developments.....	49
Older pedestrians.....	51
Chapter conclusions and key points.....	52
References.....	54
Chapter 4. Infrastructure	57
Introduction.....	57
Balance in the road and street environment.....	57
Infrastructure for older drivers.....	58
Infrastructure for older pedestrians.....	60
Infrastructure for other older road users.....	62
Public transport infrastructure.....	63
Conclusions and key points.....	64
References.....	66
Chapter 5. Vehicle Design	69
Introduction.....	69
Designing the car for older users.....	69
Designing other vehicles for older users.....	71

Crashworthiness and occupant protection.....	75
Conclusions and key points.....	78
References.....	79
Chapter 6. Managing Older Drivers.....	81
Introduction.....	81
Driver programmes.....	81
Remedial options for impaired older drivers.....	84
Model licensing procedures for older drivers.....	87
Conclusions and key points.....	89
References.....	91
Chapter 7. Alternatives to the Car.....	93
Introduction.....	93
A family of mobility options.....	94
Walking and assisted walking.....	95
Cycling.....	96
Public transport.....	96
Paratransit.....	99
Taxis and car schemes.....	99
Information.....	100
Conclusions and key points.....	101
References.....	102
Chapter 8. Land Use.....	105
Introduction.....	105
Location and scale of facilities.....	105
Ageing in place.....	105
National policies on land use.....	107
Detailed design issues.....	107
Traffic management.....	107
Planning processes.....	108
Conclusions and key points.....	108
References.....	110
Chapter 9. Education, Publicity and Training.....	111
Introduction.....	11
Assessing the situation.....	
Goals and objectives.....	13
Target groups.....	13
Strategies and approaches ...	15
Methods and best practices.....	16
Conclusions and key points..	18
References.....	120
Chapter 10. Conclusions.....	121
Introduction.....	121
Policy recommendations.....	121
Research and development recommendations.....	126
Key issues.....	127
Reference.....	129
Annex.....	131