



# MOTOR VEHICLE DISASTERS AND MANAGEMENT

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## LEADING CAUSES OF GLOBAL BURDEN OF DISEASE (RANK ORDER BY DALYs)

1990	2020
DISEASE OF INJURY	DISEASE OF INJURY
1. Lower respiratory infections	1. Ischaemic heart disease
2. Diarrhoeal diseases	2. Unipolar major depression
3. Perinatal conditions	<b>3. Road traffic injuries</b>
4. Unipolar major depression	4. Cerebrovascular disease
5. Ischaemic heart disease	5. Chronic obstructive pulmonary
6. Cerebrovascular disease	6. Lower respiratory infections
7. Tuberculosis	7. Tuberculosis
8. Measles	8. War
<b>9. Road traffic injuries</b>	9. Diarrhoeal diseases
10. Congenital abnormalities	10. HIV

## Status - Global

Over 1.2 million death per year

3,288 death per day

137 death per hour

5 death in 2 minutes



## Status - Malaysia (2007)

363,319 road crashes per year

995 per day

41 per hour

2 in three minutes



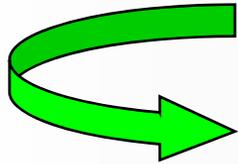
## Status - Malaysia (2007)

6,282 death per year

17 deaths per day

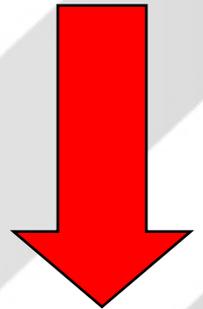
3 deaths in 4 hours

Statistical life of Malaysian Motorists  
RM\$ 1.1 million



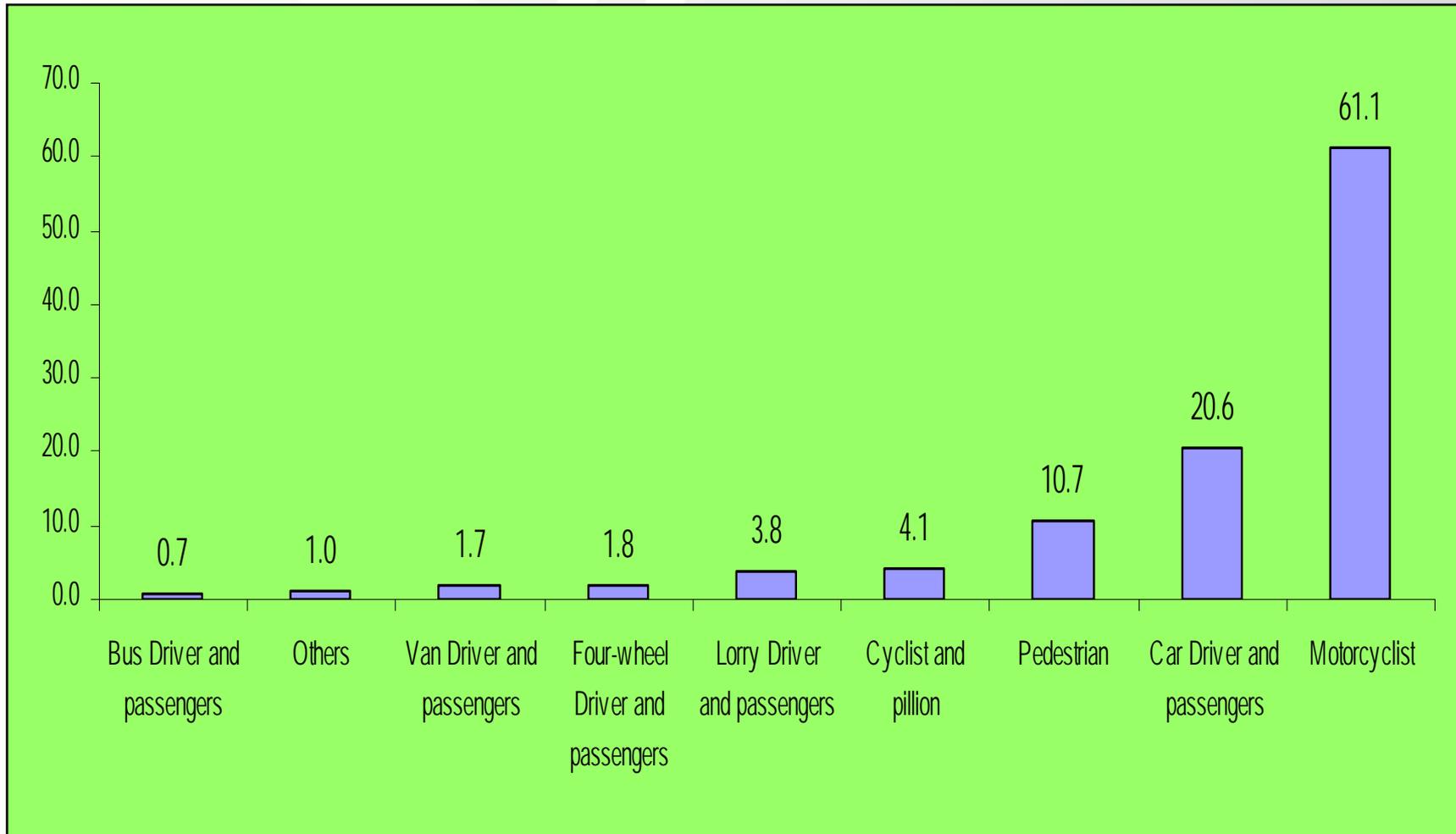
6,282 fatality x RM 1.1 million  
= RM 6.9 billion lost in year 2007

2-3% of GDP Malaysia

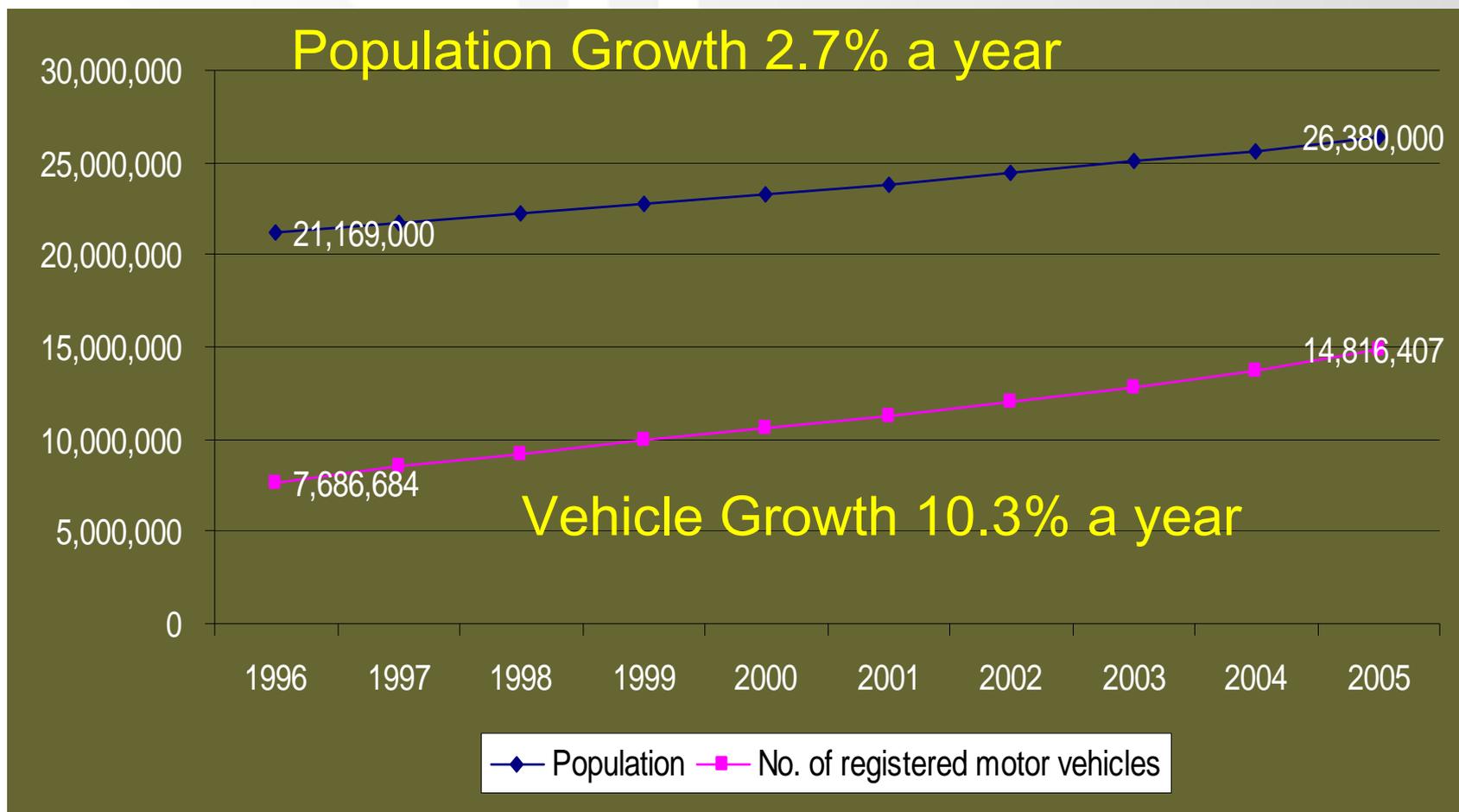




## FATALITIES BY TYPE OF ROAD USER - 2007



# POPULATION AND VEHICLE GROWTH





# Next

With Knowledge We Serve



## Disaster Management (1)

Organization and management of resources and responsibilities for dealing with all humanitarian aspects of emergencies, in particular **preparedness**, **response** and **recovery** in order to lessen the impact of disasters



## Disaster Management (2)

Dealing with avoiding risks and it involves:

- preparing for disaster **before** it happens,
- **during** disaster response (e.g. emergency evacuation),
- as well as supporting, and rebuilding society **after** disaster have occurred.



## Disaster Management (2)

Dealing with avoiding risks and it involves:

- preparing for disaster **before** it happens,
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# Disaster Management vs RTA/RTI

Pre	During	Post
Before Disaster	During Disaster	After Disaster
Injury Prevention	Injury Control	Post Injury Control









## Disaster Management vs RTA/RTI

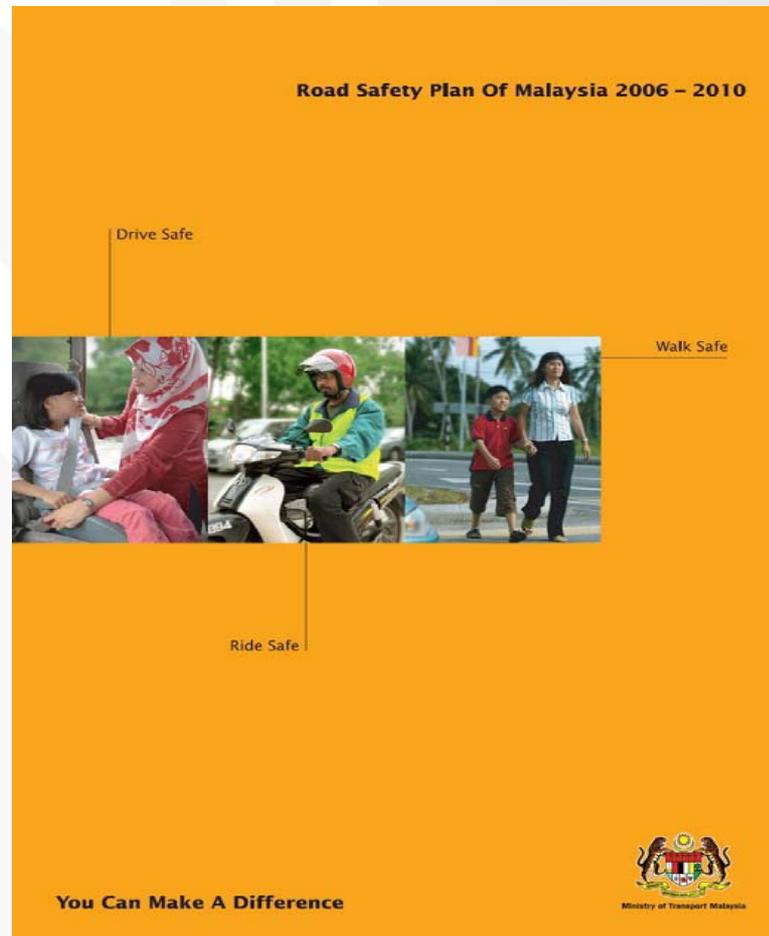
- Education and Training on rescue and first aid for road users.
- Educate vehicle users on the hazards of their vehicle.
- Reduce exposure of private vehicle usage
- Black spot treatment and road safety audits.
- Maintaining the road surface clear of oil spills from crash.
- Efficient first-aid system to victims and transportation to hospital.
- Make vehicle petrol tanks leak proof.
- Establish training units which specialise in care of poly-trauma victims.
- Establish rehabilitation units for the severely injured and disabled.



Then

With Knowledge We Serve

# MALAYSIA ROAD SAFETY PLAN 2006-2010



## ROAD SAFETY INDEX

Target	2007	2010
Fatality/10,000 vehicles	3.9	2.0
Fatality/100,000 population	23.3	10.0
Fatality/billion kilometer travel	18	10

## Total Nine Strategies

### 6. Optimization of Resources

- Coordinate and manage road safety initiatives
- Collect and obtain road crash data
- **Emergency aid to victims**
- Sharing cost of road safety programs
- Carryout road crash investigations



## MALAYSIA ROAD SAFETY PLAN 2006-2010

### Strategy 6

#### Point 3:

Emergency programs (rescue and medical aid) to assist road crash victims.



*Road safety is a shared responsibility*

# *Safe Culture*

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