



Country Report on Road Safety Initiatives in **MALAYSIA**

Datuk Suret Singh
Director General
Road Safety Department



Basic Information

- **Country : Malaysia**
 - Population: 26.4 Million in 2006
 - Square Kilometer: 392876km²
 - Road Length: 72,400 km
 - No of Registered Vehicles: 15,790,732
 - Vehicle Kilometer Travelled/year: 337.8 Billion VKT



Definition and Data System

- Definition:
 - Fatality: Deaths within 30 days
 - Serious: All Required Hospitalization
 - Slight Injury: Out Patient or Self Treatment
- Data System:
 - Police Data
 - Form : Standard POL27 Accident Form
 - Database/System: Computerized MAAP System
 - Annual Accident Report availability: Yes
 - Hospital Data
 - Injury classification used: AIS
 - retrieval System: Many System used, in process of Standardization



Safety Target and Management

- National Safety Target?:
 - 2.0 Deaths/10,000 vehicles by 2010
 - 10 Deaths/100,000 population 2020
 - 10 Deaths per Billion VKT by 2020
- National Safety Plan?:
 - Availability: Yes, National Road Safety Plan 2006-2010
 - strategies : 9 Strategies
 - Programs: 52 Programs
- Availability of Institutional Set-up
 - Road Safety Department (2005)
 - MIROS (2007)
 - National Road Safety Council (50 years ago)
 - Annual Budget Allocated for Road Safety Programs

Road Safety Facts (1996-2006)

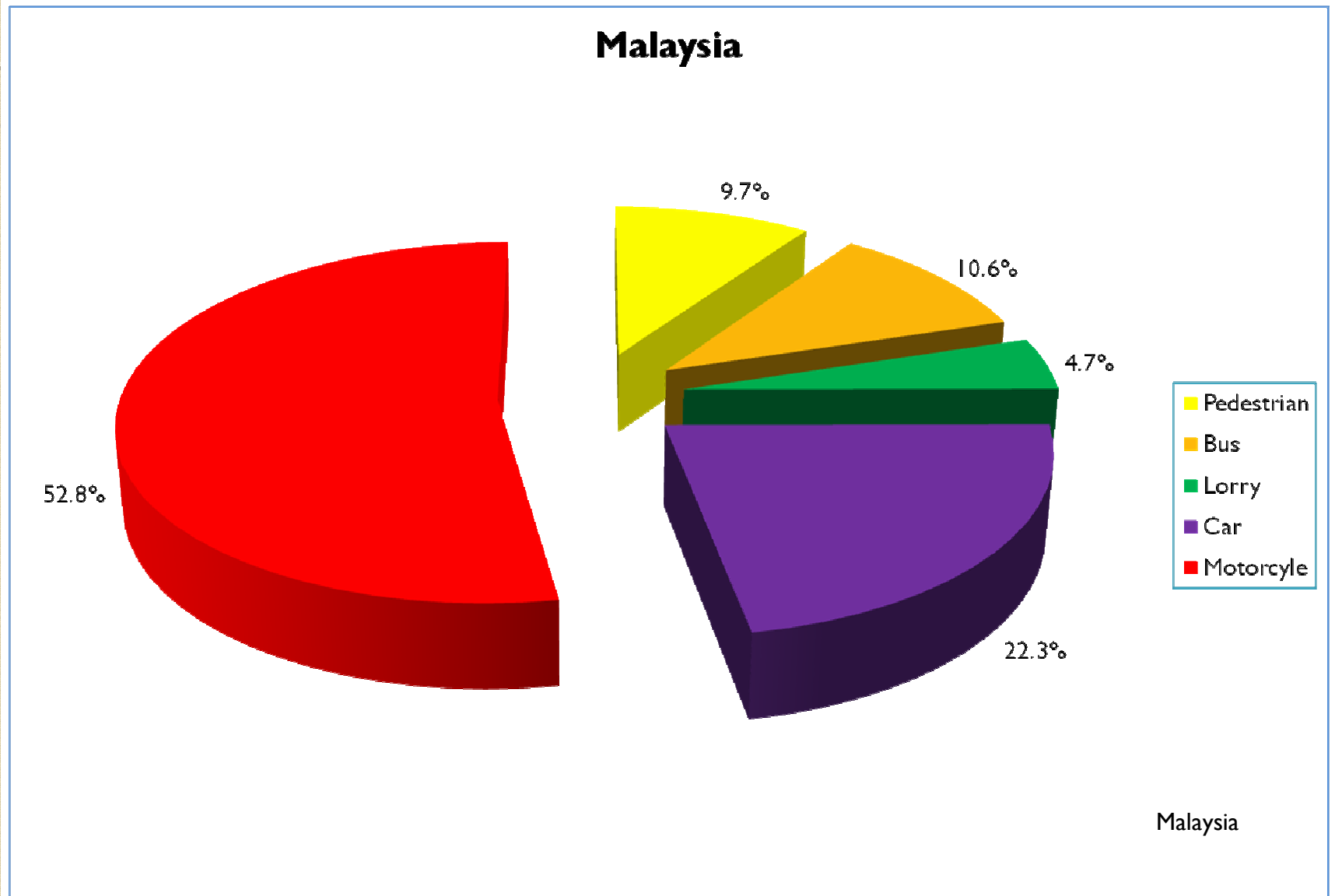
Year	Registered Vehicles	Road Length (Km)	Number of accidents	Fatality Index			
				Death	Per 10,000 Vehicles	Per 100,000 Population	Per Billion VKT
1996	7,686,684	60,734	189,109	6,304	8.20	29.8	40.4
1997	8,550,469	63,382	215,632	6,302	7.37	29.1	36.3
1998	9,141,357	63,382	211,037	5,740	6.28	25.3	30.9
1999	9,929,951	64,981	223,166	5,794	5.83	25.5	28.7
2000	10,589,804	64,981	250,417	6,035	5.70	26.0	28.0
2001	11,302,545	64,981	265,175	5,849	5.17	25.1	25.5
2002	12,068,144	64,981	279,237	5,887	4.88	25.3	24.0
2003	12,868,934	71,814	298,651	6,282	4.88	25.1	24.0
2004	13,801,297	71,814	326,815	6,228	4.51	24.3	22.2
2005	14,816,407	72,400	328,268	6,200	4.18	23.7	20.6
2006	15,790,732	72,400	341,252	6,287	3.98	23.6	Malaysia 19.6



Key Issues and Challenges

- Key Problems Identified
 - Target Groups:
 - Motorcyclists (53%)
 - Car Occupants (22%)
 - Pedestrians (10%)
 - Target Issues:
 - Head Injuries among motorcyclists
 - Un segregated VRUs

Fatality by Casualty Class



Strategic Programs and Projects

Program	% Intervention Coverage				Potential Reduction %	No of Deaths Involved/yr	Expected No. of Fatality Reduction			
	2007	2008	2009	2010			2007	2008	2009	2010
AES										
Speed Cameras	20	60	100	100	30	1400	84	252	420	420
Redlight Cameras	20	60	90	90	40	150	12	36	54	54
Lane Discipline Program	0	20	60	80	20	450	0	18	54	72
Helmet	30	65	100	100	50	1500	225	488	750	750
Rear Seat Belts	20	40	60	80	30	350	21	42	63	84
Airbags	10	20	40	60	30	400	12	24	48	72
Driver Training	10	30	50	60	10	300	3	9	15	18
RSE and CBP	10	20	50	80	20	400	8	16	40	64
Mcycle Lanes	10	20	30	40	80	500	40	80	120	160
Blackspots	10	20	30	40	30	500	15	30	45	60
Others	10	20	30	40	20	350	7	14	21	28
						6300	427	1009	1630	1782
						Deaths/10,000 Vehicles	3.45	2.94	2.45	2.21

One Most Successful Road Safety Intervention

- Name: *Exclusive Motorcycle Lane Program*
- Problem Statement: *Rear-End and Side Swipe along High Speed Links Double Low Speed Links*
- Issues Identified: *Un-segregated leading to Conflicts among Fast, Un Compatible VRUs and Larger Vehicles*
- Rationale for Intervention: *Segregation reduce Conflicts, Risk and Exposures*
- Detailed Intervention Programs: *3m Exclusive Lane fully segregated*
- Impact of Intervention: *39% less Accidents, 83% Less Fatalities, BCR=5*