



# Country Report on Road Safety Initiatives in THAILAND

By

**Mr. Chamroon Tangpaisalkit**

**Director; Transport Safety Planning Bureau**

**Office of Transport and Traffic Policy and Planning**

**Ministry of Transport**

**Thailand**

# National Data

- Country : **THAILAND**

- Population: **62.828** million

- Area: **517,000** Square Kilometer

- Total Road Length: **212,060** Kilometer

( Highway 61,747Km. Motorway 313 Km. Rural Road 42,500 Km. Local road under local ad. 107,500 Km.)

- No of Registered Vehicles: **24.087** million vehicles (**64% Motorcycle**)



# Definition and Data System

- Definition:
  - Fatality: Deaths within **30 days**
  - Serious: Admit in Hospital
  - Slight Injury: Not Admit
- Data System:
  - National Police Data
    - Monthly Accident Report from **1,446 Police station** around country collected by Database and Information Center (DIC)
  - Health Ministry Data
    - Hospital/Center Hospital
    - Regional Public Health Center
    - Rescue Unit (Narenthon EMS Center)
  - Transport Ministry Data (HD,RHD,ETA)
    - Collected by Information System Centre
    - Data System name: **TRAMS**; Traffic Report and Accident Management System

# Safety Target and Management

- National Road Safety Target
  - **Reduce - 20% (Year 2004- 2008)**
  - 6.67 Deaths/10,000 vehicles (Year 2004)
  - 22.21 Deaths/100,000 population (Year 2004)
- National Safety Plan:
  - Thailand Road Safety Action Plan (Year 2004 -2008)
  - National Agenda – **Strategies 5 E's , 14 Planes**
- Institutional Set-up and arrangements
  - Road Safety Operation Centre (**RSOC**)  
(Chaired by the Deputy Prime minister)
  - Value of Annual Budget for Road Safety in USD  
Ministry of Transport:  
**2007 - 97.83 Mil. USD**  
**2008 – 102.107 Mil. USD**  
**2009 – 150.00 Mil. USD**

# Road Safety Facts (1997-2006)

Year	Registered Vehicles	Road Length (Km)	Number of accidents	Fatality Index			
				Death	Per 10,000 Vehicles	Per 100,000 Population	Per Billion VKT
1997	17,666,240	-	82,336	13,836	7.83	22.75	-
1998	18,860,512	-	73,725	12,234	6.49	19.90	-
1999	20,096,536	-	67,800	12,040	5.99	19.53	-
2000	20,835,684	-	73,737	11,988	5.75	19.37	-
2001	22,589,185	-	77,616	11,652	5.16	18.70	-
2002	24,517,250	-	91,623	13,116	5.35	20.89	-
2003	26,378,862	-	104,642	14,446	5.48	22.90	-
2004	20,624,719	-	124,530	13,766	6.67	22.21	-
2005	22,571,062	-	122,040	12,858	5.70	20.60	-
2006	24,807,297	212,060	111,035	12,069	4.87	19.21	-

# Thailand Road Safety Action Plan (Year 2004 – 2008)

<p><b>Strategy 1</b> <b>Law Enforcement</b> (National Police)</p>	<ol style="list-style-type: none"> <li>1. Traffic police and Law Enforcement</li> <li>2. Traffic legislation</li> </ol>
<p><b>Strategy 2</b> <b>Engineering (MOT)</b></p>	<ol style="list-style-type: none"> <li>1. Safe Planning and Design of Road</li> <li>2. Improvement of Hazardous</li> <li>3. Vehicle Safety Standard</li> </ol>
<p><b>Strategy 3</b> <b>Public Relation, Education and Public Participation</b> (MOE)</p>	<ol style="list-style-type: none"> <li>1. Driver Training and Testing</li> <li>2. Road Safety education of Children</li> <li>3. Road safety publicity and campaigns</li> </ol>
<p><b>Strategy 4</b> <b>EMS (MOH)</b></p>	<ol style="list-style-type: none"> <li>1. Emergency assistance to road accident victims (Emergency Call 1669)</li> </ol>
<p><b>Strategy 5</b> <b>Evaluation and Information</b> (MOI)</p>	<ol style="list-style-type: none"> <li>1. Coordination and Management of Road Safety</li> <li>2. Road Accident data system</li> <li>3. Road safety funding and the role of the assurance industry</li> <li>4. Road Safety research</li> <li>5. Road Safety accident cost</li> </ol>

# Key Issues and Challenges

## Traffic Enforcement Measures (3ม 2ข 1ร)

- Safety Helmets (หมวกกันน็อก)
- Alcohol detecting on driver (เมา)
- Safer motorcycles (มอเตอร์ไซค์)
- Safety belts (เข็มขัดนิรภัย)
- Driver licenses (ใบอนุญาตขับขี่)
- Speed control (ความเร็ว)

# The Result of Road Safety Action Plan in Thailand (Year 2003 – 2006)

Year	Number			Death ratio		Injuries ratio	
	Accident	Fatalities	Injuries	/100,000 pop	/10,000 veh	/100,000 pop	/10,000 veh
<b>2003</b>	104,642	14,446	81,070	22.90	5.48	128.52	30.73
<b>2004</b>	124,530 (+19.0%)	13,766 (-4.70%)	94,164 (+16.15%)	22.21 (-3.01%)	6.67 (+21.71%)	151.94 (+18.22%)	45.64 (+48.51%)
<b>2005</b>	122,040 (-1.99%)	12,858 (-6.59%)	94,364 (+0.21%)	20.60 (-7.24%)	5.09 (-23.68%)	151.18 (-0.50%)	37.35 (-18.16%)
<b>2006</b>	111,035 (-9.01%)	12,069 (-6.13%)	83,438 (+11.57%)	19.21 (-6.74%)	4.87 (-4.32%)	132.80 (-12.15%)	33.63 (-9.95%)

Target 2004 – 2008; Death rate **reduce 20%**  
 (Actual 2004 - 2006; Death rate **reduce 12.32%**)  
 (Actual 2003 – 2006; Death rate **reduce 16.45%**)

# Example of a Successful Road Safety Intervention

## Don't Drink Drive

- *49.7% of Road Accident involve of drunk driver*
- *Limit 50 mg. % of Alcohol for Driver*
- *0 mg. % of Alcohol for Public Car Driver (Future)*
- *Over limit drinking driver will be brought to the Court (Fine and Social Work)*
- *Measures and Campaigns( No Alcohol at Gas station, Alcohol check point , Public Campaign )*



**Thank you for Your  
Attention**