

**VOLKSWAGEN**

GROUP CHINA



# Road Traffic Safety in China

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## Content

### **1. Statistics of China Road Traffic Accidents (1970~2007)**

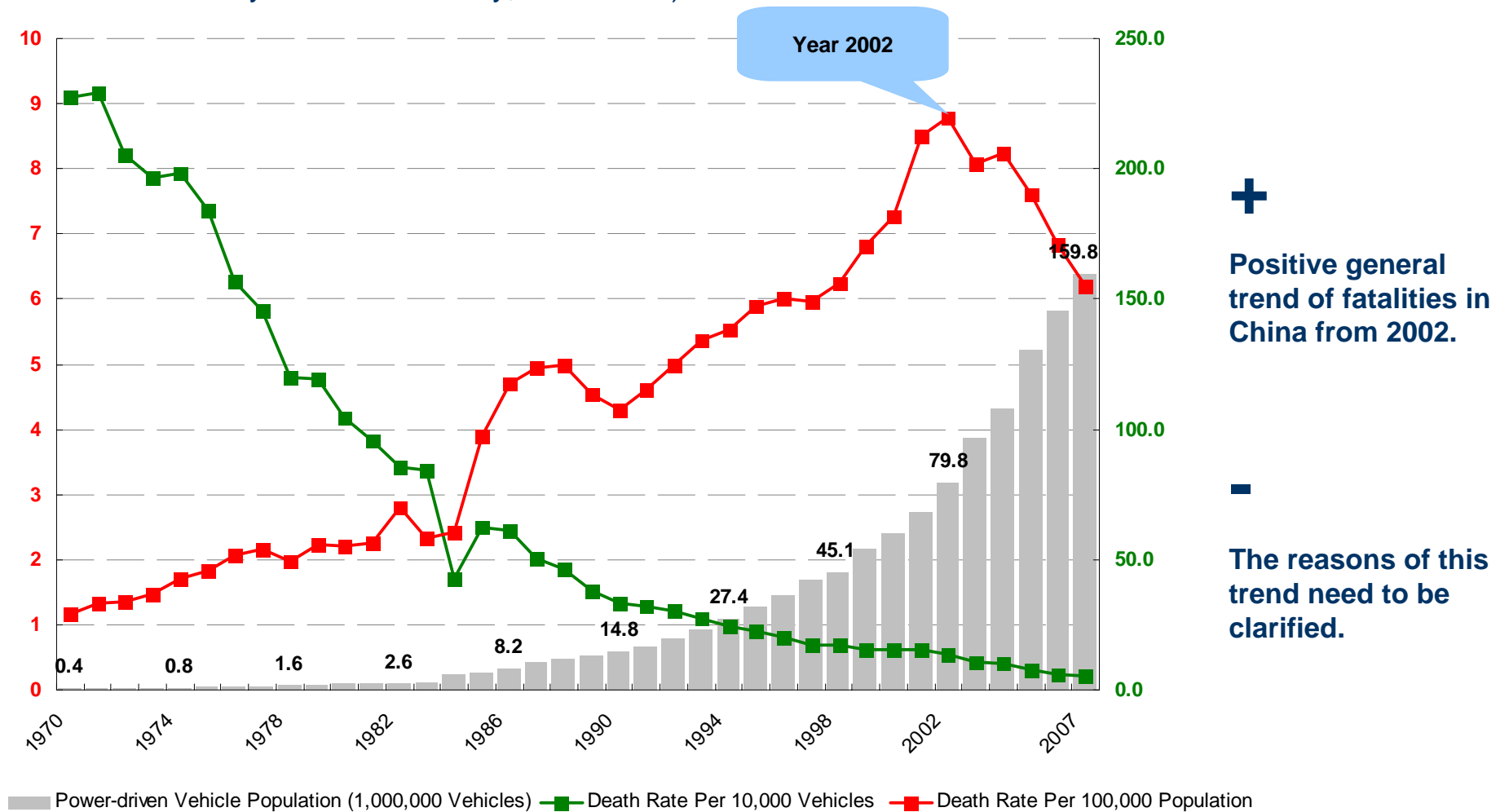
### **2. Why is Accident Research Necessary**

- Main Factors Influencing Road Traffic Safety
- Three Columns of Safety Researches

### **3. Conclusions**

# Statistics of China Road Traffic Accidents (1970~2007)

(Source: The Ministry of Public Security, P.R. China)



Legend: Power-driven Vehicle Population (1,000,000 Vehicles) — Death Rate Per 10,000 Vehicles — Death Rate Per 100,000 Population

Remark: power-driven vehicles include autos (cars/buses/trucks), rural vehicles (three/four wheels) and motorcycles/mopeds

**+**  
Positive general trend of fatalities in China from 2002.

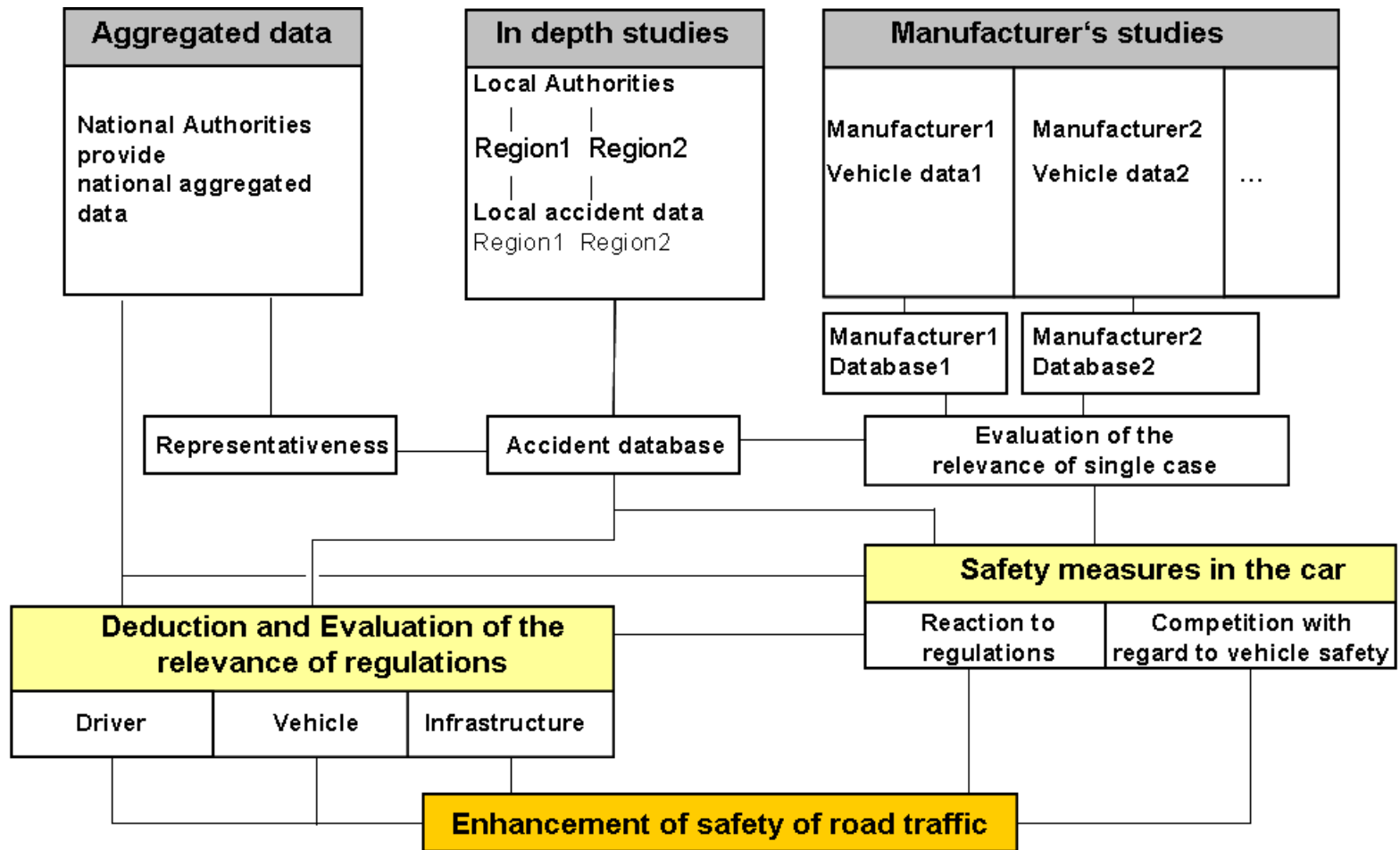
**■**  
The reasons of this trend need to be clarified.

## Why is Accident Research Necessary -- Main Factors Influencing Road Traffic Safety

- Vehicle safety system:
  - Active safety
  - Passive safety
  - General safety
- Traffic participants:
  - Participants composing
  - Information condition
  - Traffic behavior
- Traffic infrastructure:
  - Road condition
  - Traffic road separator
  - Traffic sign (traffic light, instruction sign)
- Society:
  - Laws/ regulations/ standards
  - Consumer tests
  - Compatibility of participants (pedestrian/bicycle/car/bus/truck)
  - Rescue system
  - Executor — police

# Why is Accident Research Necessary

## -- Three Columns of Safety Researches



## Why is Accident Research Necessary -- Three Columns of Safety Researches

There are three columns of accident researches which enable an optimization of road traffic safety:

- Aggregated data exists in China
- In-depth studies n.a.
- Manufacturer's accident researches some OEMs started already

## Conclusions

- 1. The general trend of traffic accident fatalities in China is to decrease. But it is not clear which factors decide such trend, which is urgently needed to be clarified.**
- 2. The best solution is to promote the traffic accident researches in China, which will greatly help to develop the related traffic laws, regulations and standards for improving the road traffic safety in a way of cost-effectiveness.**
- 3. For improving China road traffic safety, the top priorities at the moment would be:**
  - Improve the participants' behavior (education & regulation);
  - Safety-belts enforcement;
  - Build and improve the safety infrastructure.