

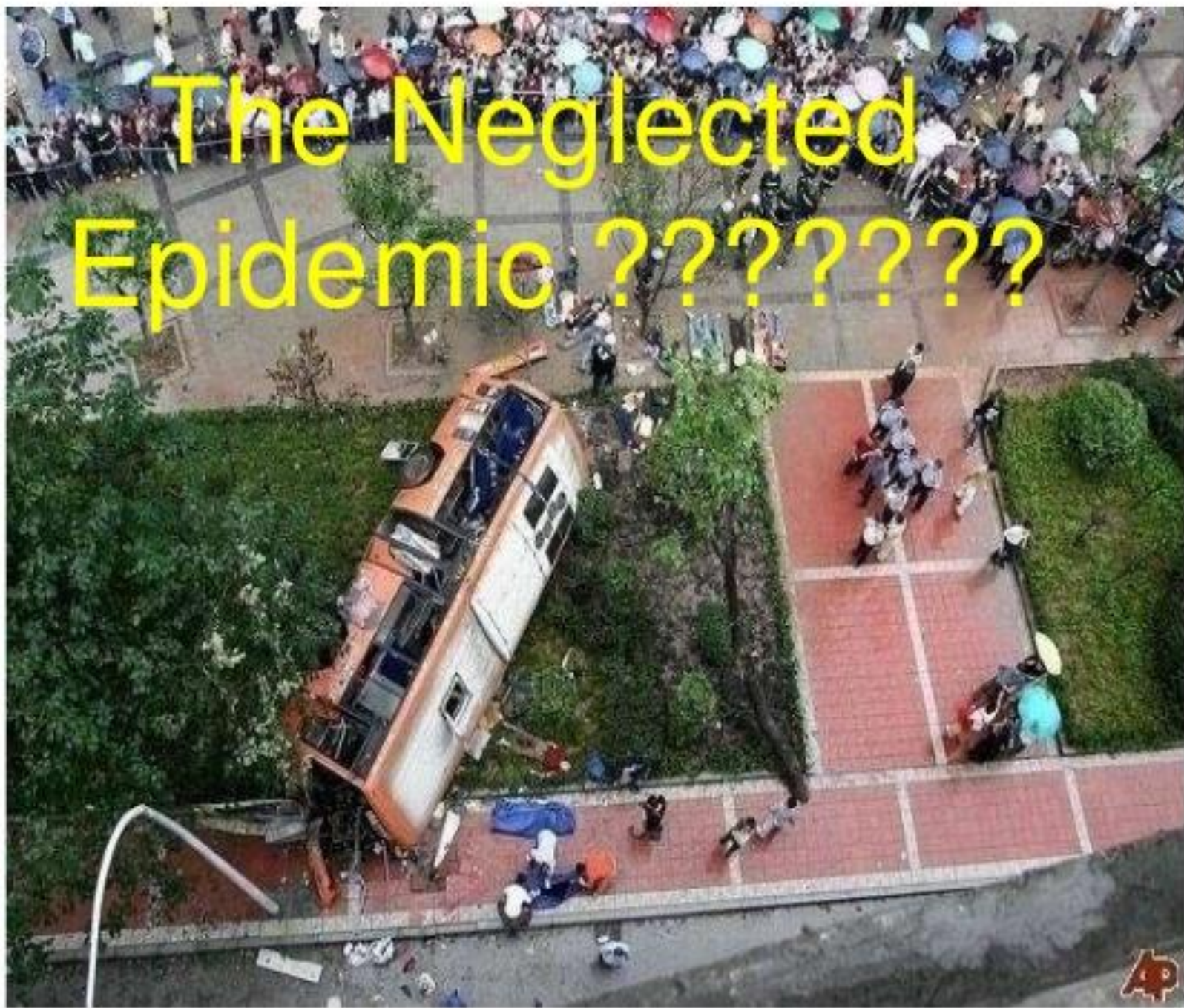
ROAD TRAFFIC ACCIDENTS


SHAHNAZ REHMAN

ROAD TRAFFIC INJURY



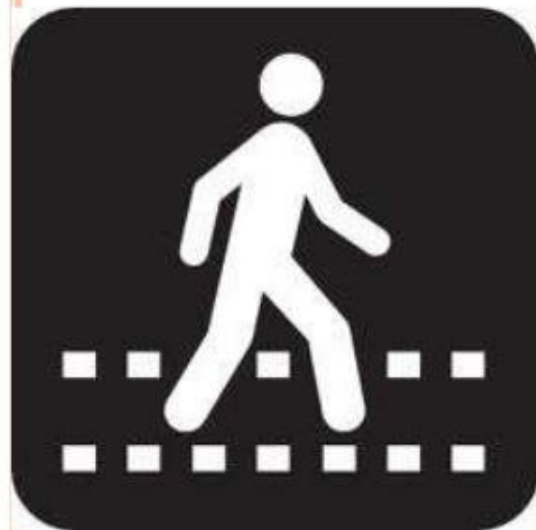
The Neglected Epidemic ????????



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- **Thus RTA is a collision** between vehicles; between vehicles and pedestrians; between vehicles and animals; or between vehicles and geographical or architectural obstacles.'
 - **Road traffic accidents are a human tragedy.** They involve high human suffering and socioeconomic costs in terms of premature deaths, injuries, and loss of productivity,

o The road traffic accidents, injuries may be sustained to.

1. Pedestrian .
2. Cyclist / motorcyclist.
3. Occupants of a vehicle.



TRAFFIC ACCIDENTS:-

- A large variety of injuries are sustained by persons involved in traffic accidents..
- A traffic collision, also known as a traffic accident, motor vehicle collision, motor vehicle accident, car accident, automobile accidents, road traffic collision, road traffic accident.



CLASSIFICATION OF ACCIDENTS

- The Road Accidents can be classified in the following manners:
- Classification of Persons by Injury Severity
 - person with fatal injury
 - person with Grievous Injury
 - person with minor injury
 - person with no injury

I. IN PRIMARY IMPACT INJURY:-

- These are the injuries caused by vehicle when it first struck and Hit the person whether crossing the road from one side to the other side or walking with or against the traffic.
- The importance of primary impact injury is that the body of victim may bear design / pattern of the part of vehicle in form of imprint abrasion pattern bruised.



II. IN SECONDARY IMPACT OF INJURY:-

- After sustaining primary impact of injury, the person may be lifted off the ground and thrown off the vehicle.
- Thus these secondary impact injuries are resulted from the impact of body of a person and the vehicle for a second time.
- Here the person strikes to windshield or bonnet or placed on the top of car/ vehicle.





Hood and
Windscreen
impact



Secondary
impact
injuries





Fatal and Nonfatal Motorcyclist Injury Rates by Year, Fatality Analysis Reporting System and National Electronic Injury Surveillance System- All Injury Program, 2001-2008



ACCIDENT CLASSIFICATION BY VEHICLE TYPE

- Motorized two Wheeler accident
- Motorized three wheeler accident
- Car/Jeep/Van/Taxi accident
- Bus Accident
- Light Transport Vehicle accident
- Heavy Articulated Transport Vehicle accident
- Tractor with Trolley accident
- Bicycle/Pedestrian accident
- Animal/Hand Drawn Cart accident



GLOBAL BURDEN

Road traffic accidents take the lives of nearly **1.24 million** people every year, and injure **20–50 million** more.



WHO. Global status report on road safety 2013. Supporting a decade of action.

RTAs are the **8th leading** cause of death globally and the leading cause of death for people aged 15–29 years.

Young adults aged between **15 and 44 years** account for **59%** of global road traffic deaths. **77%** road deaths are



•WHO.Global status report on road safety 2013. Supporting a decade of action.



- **3 to 4 % of Gross National Product is lost in Road Accidents.**

Over 90% of road traffic deaths and injuries occur in low-income and middle-income countries, which have only 48% of the world's registered vehicles.



MAIN CAUSES OF ROAD ACCIDENTS

- Over Speeding
- Drunken Driving
- Using Mobile Phones while Driving
- Child Restraint
- Not wearing of helmets and seatbelts



OTHER CAUSES OF RTA

- a) Driver fatigue,
- b) Not obeying or following traffic rules.
- c) The attitudes of the “**right of the might**” bigger vehicles toward the smaller vehicles.
- d) Overloading of transport vehicles,
- e) Poor maintenance of the vehicles.
- f) **Appalling condition** of the already chocked **roads and encroachment** .



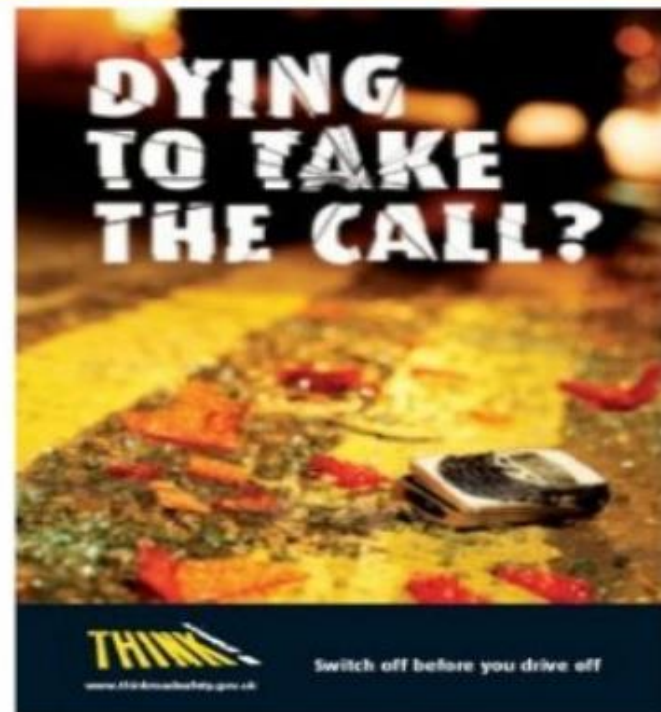
Road Accident

PREVENTION AND CONTROL

ACCIDENT



- ACCIDENT MAINLY OCCURS ONLY DUE TO THE FAULT OF THE DRIVERS OR THE PERSON WHO DRIVES THE VEHICLE.



Accident may happen due to



- Over speed
- Without wearing helmet
- Without wearing seatbelt
- While speaking in the phone
- Not following traffic rules

Back to school
Back to school
Back to school
Back to school
Back to school
Back to school

Without wearing helmet:

Without wearing helmet is the very big headache for the drivers because it may lead to accident.



WITHOUT WEARING SEAT BELTS:

➤ Wear seat belt while driving in the vehicles and that may cause death.



SEAT BELTS
...he wasn't wearing one



SIGNS OF TRAFFIC SIGNALS



CONSULT WITH TRAFFIC DEPARTMENT FOR OFFICIAL/LEGAL ROAD SIGN DIAGRAM



Bend Danger Two Way Traffic Road Narrows (various)



Roundabout T-Junction Give Way Bump Road Widens Slow Down



Electric Cable Overhead Danger Slippery Road Stop Give Way Traffic Signal Quayside



Pedestrian Crossing Runway Aircraft Uneven Road Cross Road Opening Bridge STOP



School Crossing Stones No Overtaking End of Overtaking Possible Left Turn Side Road



No Parking on even days No Parking on odd days No Crossing No Pedestrians Cycling No Entry School



Priority to Approaching Traffic Axle Weight Limit End of Dual Carriage Way Construction Traffic from Right Traffic from Left



Stop Police Stop Customs No Parking Stopping No Traffic Both Ways Stop No U-Turn



No Trucks No Traffic No Horn No Overtaking Length Limit No Buses



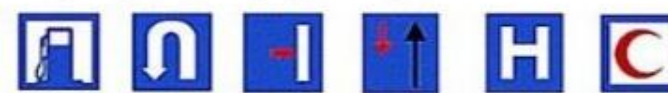
Speed Limit Dead Line of Maximum Speed Railway Animals No Parking Roundabout



Handicap Parking Go Straight Go Left or Right Road goes Right Go Straight or Left



100 200 300 Distance to Exit (meters) End of Highway Highway Begins Rest Parking



Petrol Station U Turn Dead End Your Priority Hospital Ambulance



Kurb Markings Parking Zone Kurb Markings Bus Stop Kurb Markings No Stopping / Parking

CONSULT WITH TRAFFIC DEPARTMENT FOR OFFICIAL/LEGAL ROAD SIGN DIAGRAM

PREVENTION OF ROAD ACCIDENT



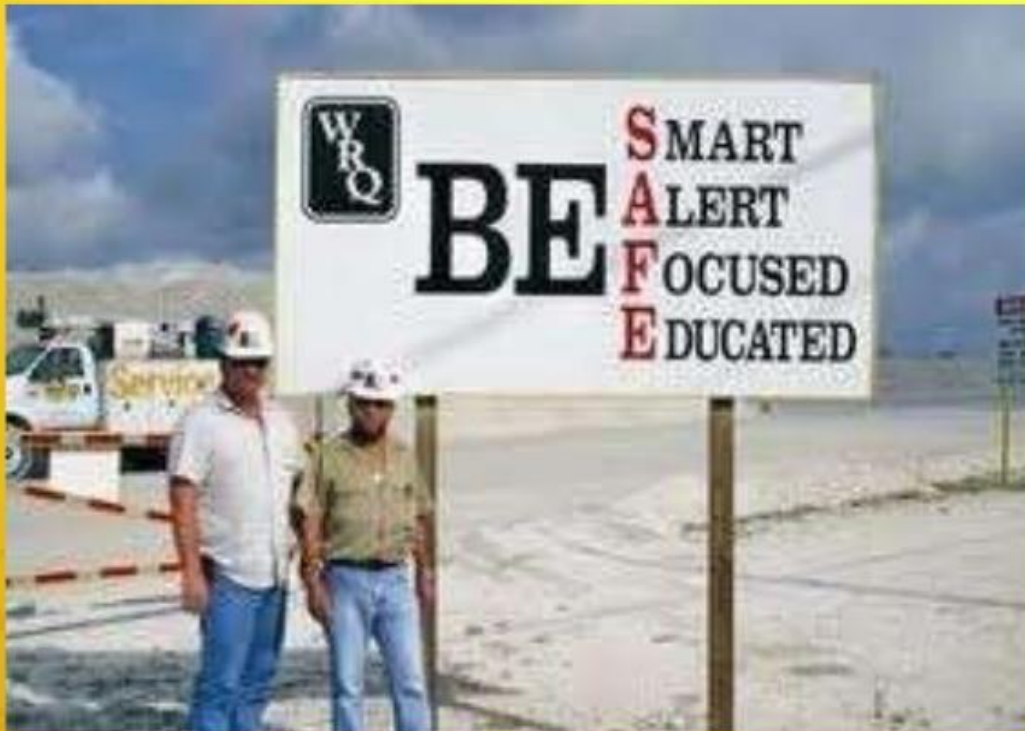
- Strict punishment should be enforced by govt. if a person drives in over speed
- Tamper proof speed controllers should be installed in all vehicles.
- Two wheelers should not exceeded 50-70km/h.
- All the rules should be followed properly by the people.



Slogans of road safety

- Safety first... because accidents last.
- Safety: expect the unexpected
- Chance takers are accident makers.
- Hug your kids at home, but belt them in the car!
- The essence of road safety is to live healthy
- Safety Is Key, It Is Up To You And Me!.

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Back
to
School

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