



Manitoba Planning Conference 2017

Dr. Stasa Veroukis

Pediatric Intensivist

Children's Hospital of Winnipeg





Objectives

- Frontline Medical Experience
- Review of Pertinent statistics with respect to Burden of Disease
- Review of the impact of speed on the severity of injury to a person









Every
Second
Counts!















Collision Statistics

- Accidents (Unintentional Injuries)
 - 5th Leading cause of death for Canadians
 - 1st Leading cause of death for Canadians age 1-44yrs



Deaths

- In 2010 there were **105** deaths in Manitoba due to Transport Incidents

(Parachute. The Cost of Injury in Canada (2015))

- In 2016 there were **112**

- WRHA Injury Report, 2000-2010

- 356 Deaths in 10 years

- 42 Deaths in persons ages 1-19 yrs old (12%)

- 203 Deaths in persons ages 1-44yrs old (57%)



Hospitalizations

- For 2010 in Manitoba

- Hospitalizations : 1,245 in 2010 (Manitoba)

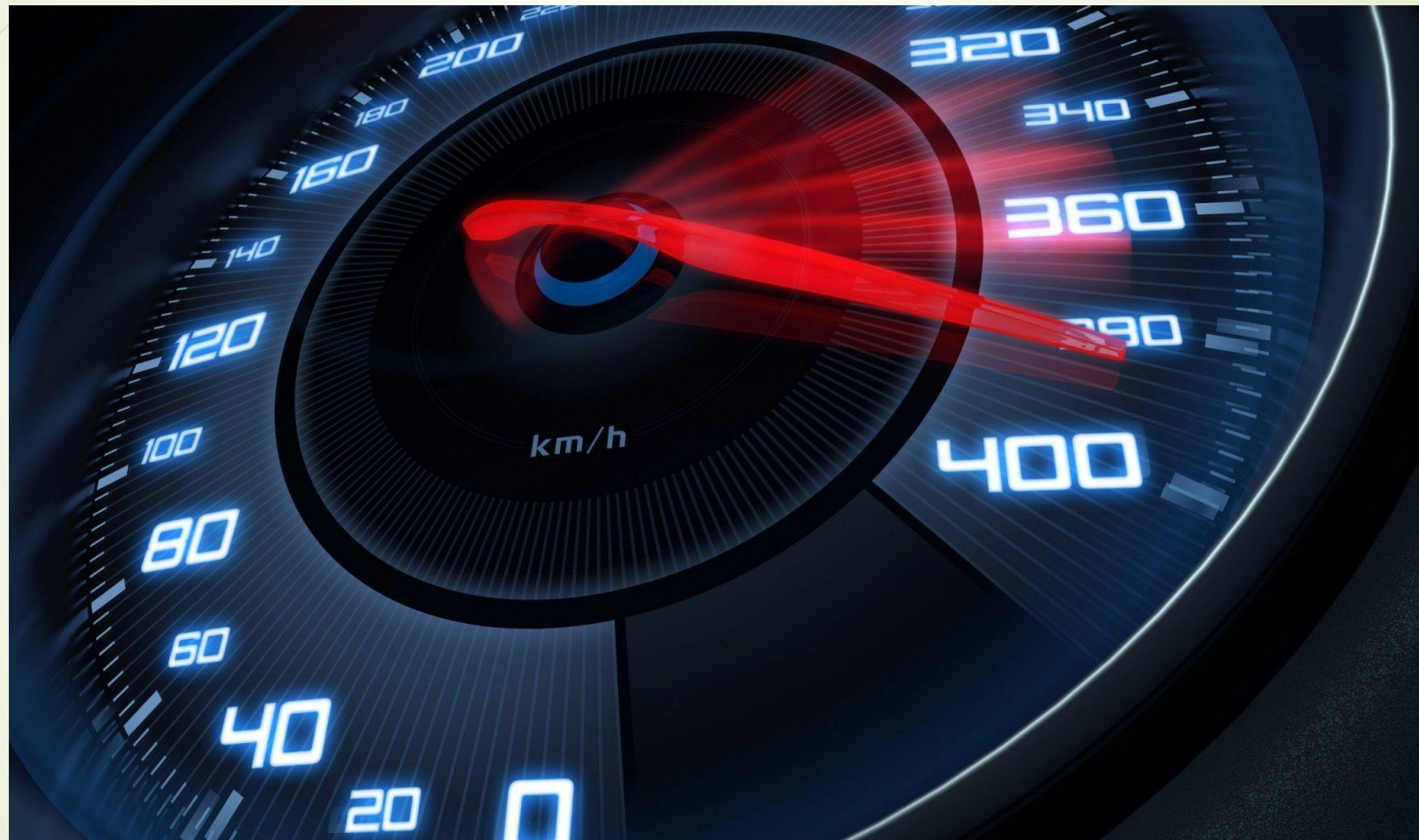
- Emergency Visits : 10,442 in 2010 (Manitoba)

- Permanent Partial Disability : 300

- Permanent Total Disability : 29


- Total Health Care Costs : \$189 million

- Parachute. *The Cost of Injury in Canada* (2015)





Speed and Severity of Injury

- The higher the speed, the more energy is transferred to a victim (occupant, pedestrian, cyclist)
 - The higher the energy transferred the more severe the injury
 - This can be the difference between life and **death**
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The faster you go...the harder you Crash

- A crash at 100km/hr is **3 times** more forceful than a crash at 50km/hr
- Injuries sustained from a **50km/hr** crash
 - Falling from a **3** storey building
- Injuries sustained from a **75km/hr** crash
 - Falling from a **7** story building
- Injuries sustained from **100km/hr** crash
 - Falling from a **12** storey building



The faster you go...the harder it is to stop

➡ Driving at 60km/hr in a 50km/hr driving zone

10.4m longer to completely stop than at 50km/hr

That's 2 car lengths longer!



Total Stopping Distance

■ In ideal weather conditions, driving at :

■ 40km/hr → 25.7 m

■ 60km/hr → 45.2 m

■ 80km/hr → 72.0 m

■ 100km/hr → 97.9 m

