



Child injury prevention in Hungary



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Outline



- **Background**
 - Epidemiology
 - Premises at European level
- **Programs**
 - Action planning at national level
 - ✦ Objectives
 - ✦ Burn and scalds prevention program of Bethesda Hospital
- **Summary**
 - Take home messages

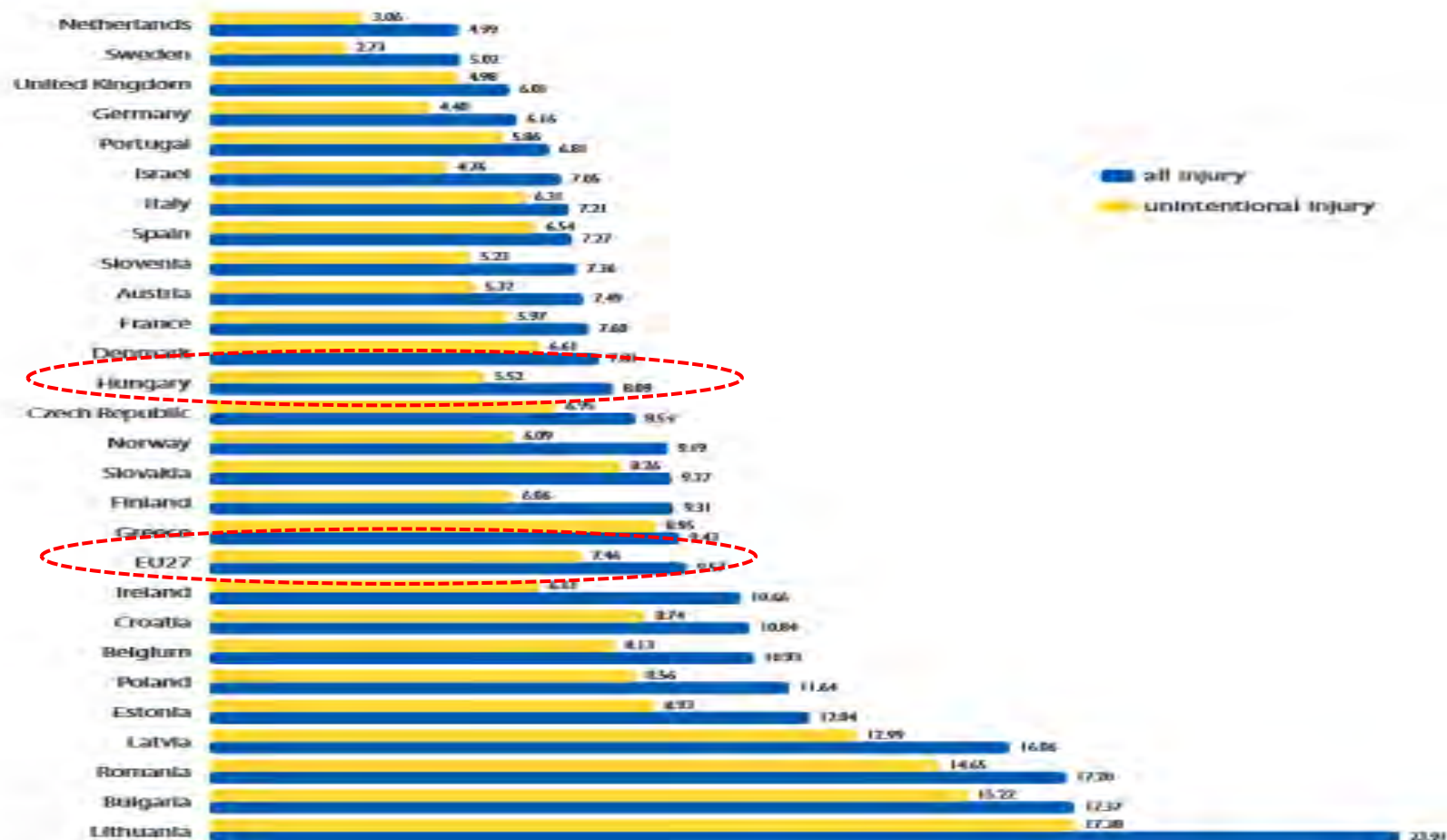


The facts



- Approximately 830 000 children under 18 years die every year as a result of an unintentional injury.
- 95% of child injuries occur in low-income and middle-income countries.
- In most European countries it is the number 1. cause of child and youths' death over 1 year of age.
- In high-income countries, child injuries account for 40% of all child deaths.
- Tens of millions of children require hospital care every year for non-fatal injuries.
- Within country socio-economical status is also a major determinant of child injuries.

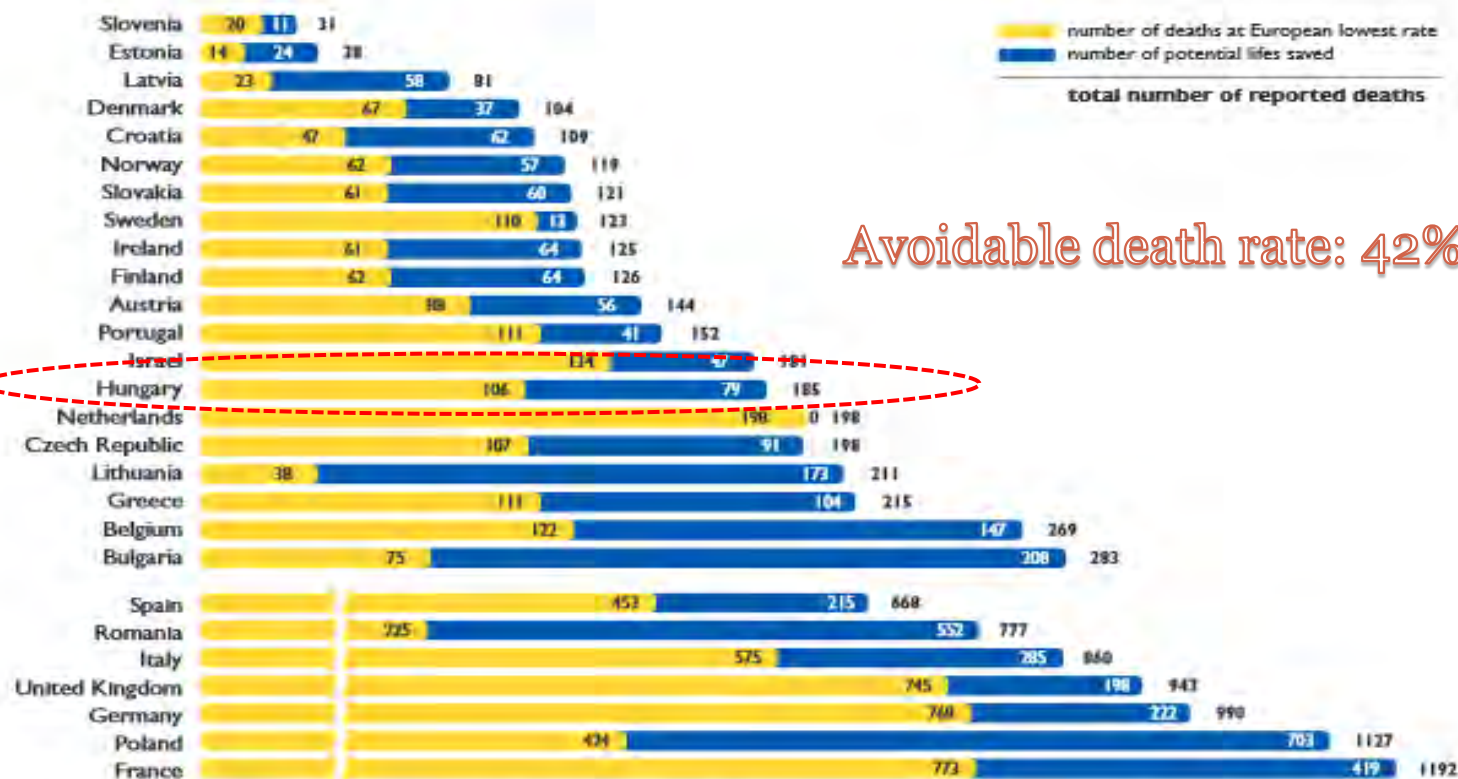
All Injury and unintentional injury deaths for children and adolescents (Europe age adjusted rate per 100 000 population 0-19 years)



Source: WHO European Detailed Mortality Database (EDMD) for 2010 or most recent year of data; Cyprus, Iceland, Luxembourg and Malta excluded due to small numbers.

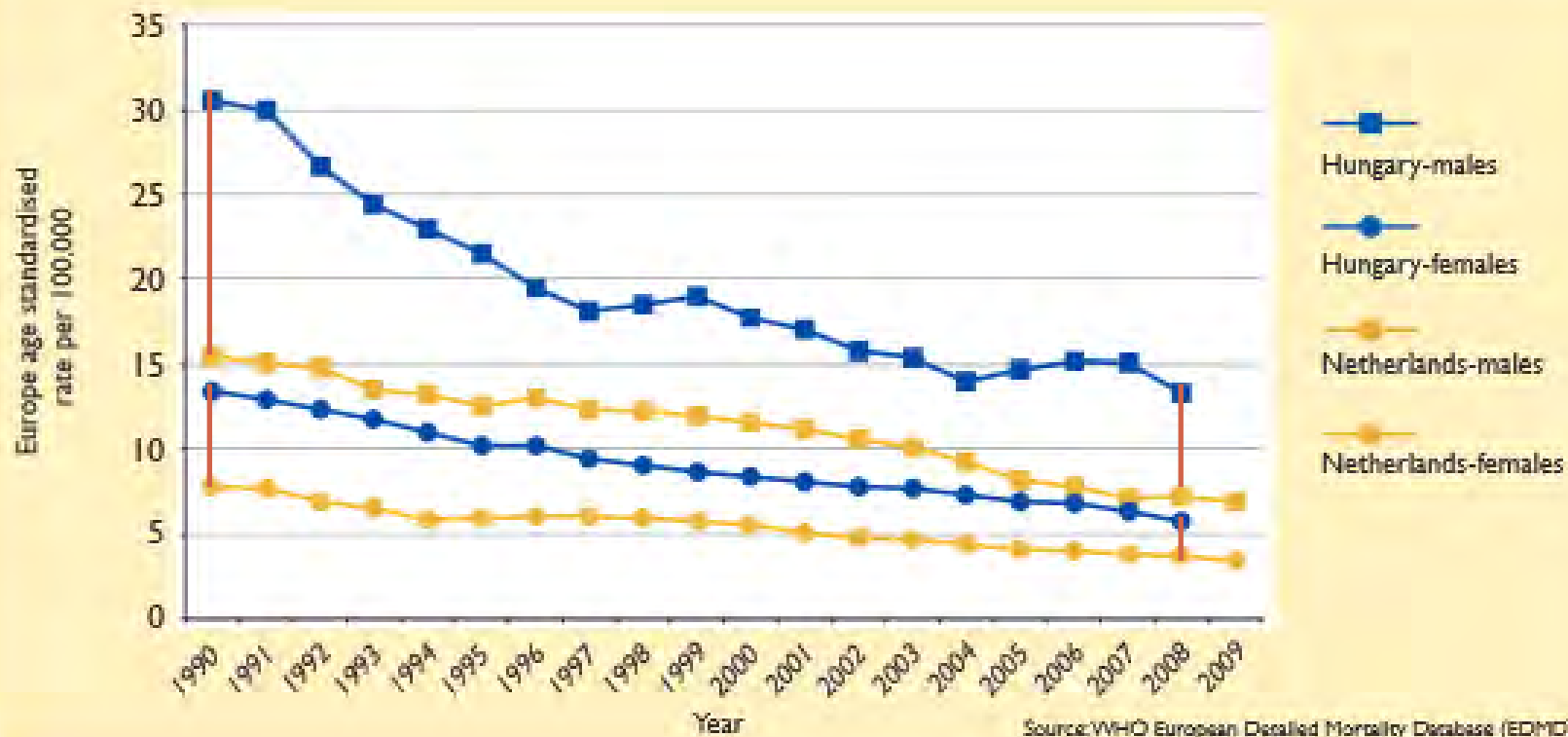
Potential for life saving in children and adolescents In participating TACTICS countries

(number of deaths using the EU MS with the lowest rate)



Source: WHO European Detailed Mortality Database (EDMD); 2010 or most recent year available; Cyprus, Iceland, Luxembourg and Malta excluded because of small numbers.

Injury death rates in Hungary and the Netherlands (3 year moving averages for children and adolescents 0-19 years)



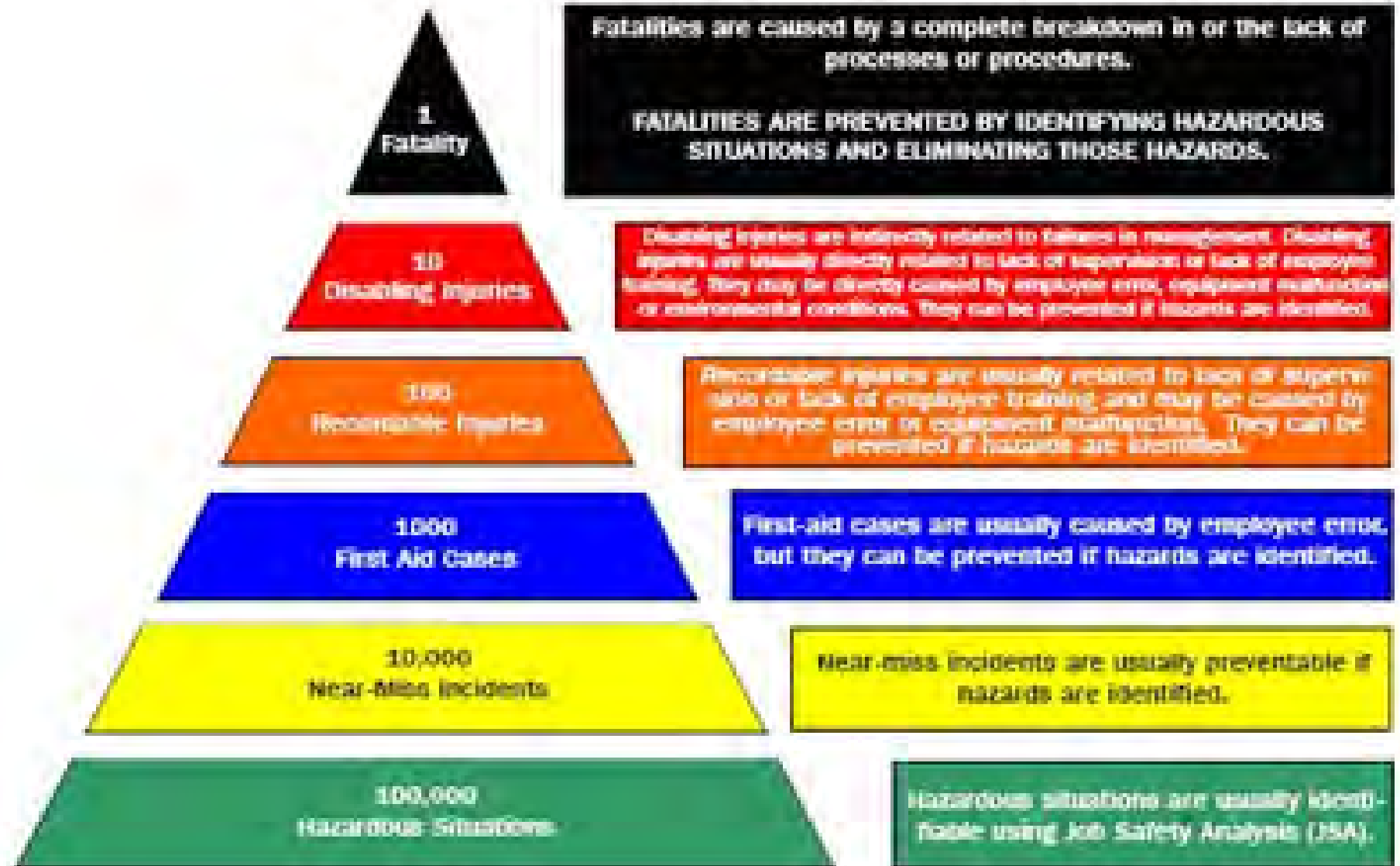
Data source: European Child Safety Alliance, 2012.

Age standardised injury mortality rates per 100,000 by age and gender



	Years	Hungary (2009)		EU-27	
		Male	Female	Male	Female
Unintentional deaths	<1	6.10	8.56	11.03	8.42
	1-4	3.97	2.09	5.48	5.05
	5-9	3.24	1.71	3.79	2.28
	10-14	6.82	3.19	5.84	3.08
	15-19	16.10	5.39	25.07	7.13

INCIDENT PYRAMID

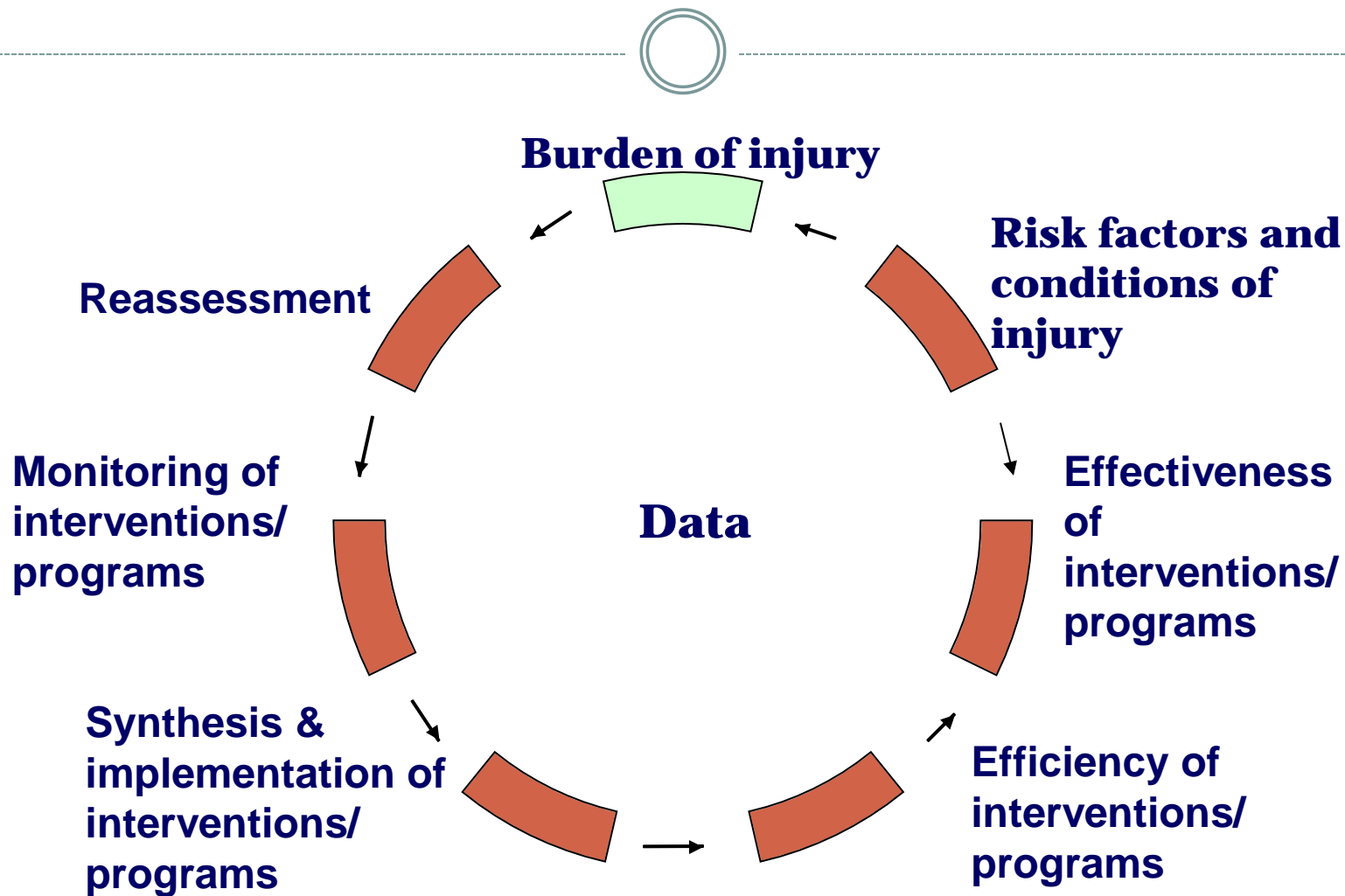


Basics of Injury Prevention

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- **INJURIES ARE NOT ACCIDENTS**
- Injuries are often understandable, predictable, and preventable.
- Specific injuries share similar characteristics of person, place, and time.
- By understanding injuries, interventions can be developed and implemented to prevent or limit the extent of a given injury.

The injury prevention and evaluation cycle*



* Raina, P., Turcotte, K., Soubhi, H. British Columbia Injury Research

National Action Plan on Child and Youth Safety 2010-2019



National Action Plan on Child and Youth Safety
Programme for Preventing Unintentional Injuries of 0-24-year-olds, 2010-2019



-30%

'National partnership for the greater safety of children and the youth'



Action plan

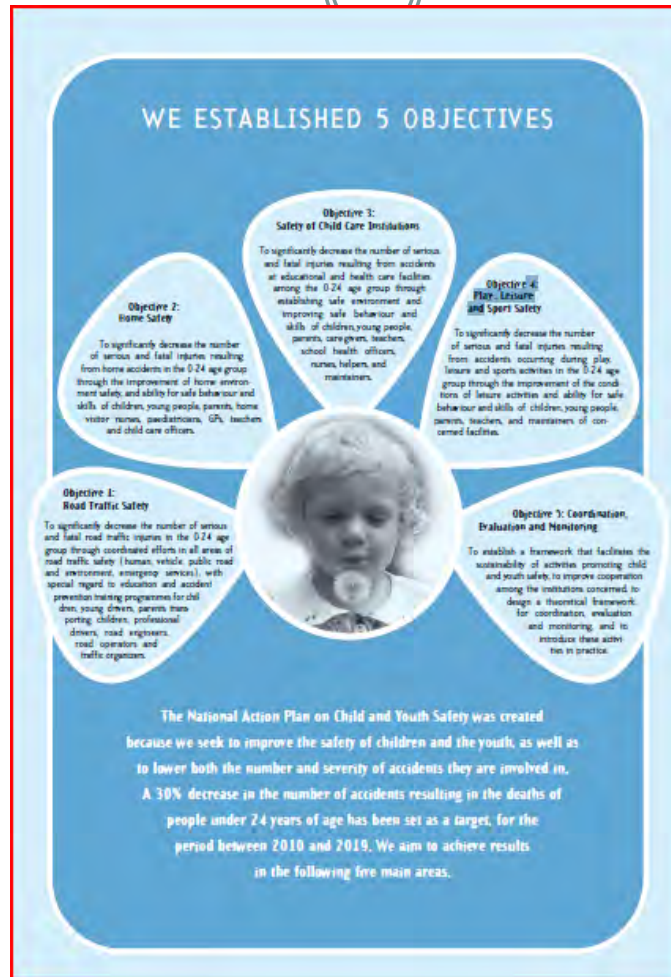


- **Intersectorial**
- **Age group: 0-24 year olds**
- **Time frame: 2010-2019**
- **Coordinator: National Institute of Child Health**
- **Affected sectors involved: transportation, fire and disaster management, primary, secondary and tertiary health care providers, police, education, chemical safety, environmental health, consumer protection, municipalities, non-governmental organisations**
- **Child Safety Committee- multisectorial**
- **Evaluation: National Report on Injury Prevention- indicator based**

Safety of Child Care Institutions

Home safety

Road traffic safety



Play, Leisure and Sports Safety

Coordination, Evaluation, Monitoring

Data collection, analysis, data gaps



Existing data sources

- mortality,
- hospital and emergency care,
- police for traffic safety,
- poison control service,
- injuries at kindergartens and schools,
- studies (e.g. HBSC 11-17 year olds)



Gaps

- home, sports, leisure and play injuries

Lack of routine data flow and analyses

Good practice example: Bethesda Hospital burn prevention program

- Burn inpatient treatment in 3 centres in the country,
- Treatment-rehabilitation-prevention,
Prevention is
 - based on practical knowledge of centres,
 - managed by NGO-s,
 - run by teachers and volunteers,
- Presentation for 5-8 grade school classes,
- Part of rehabilitation for seriously burnt children.

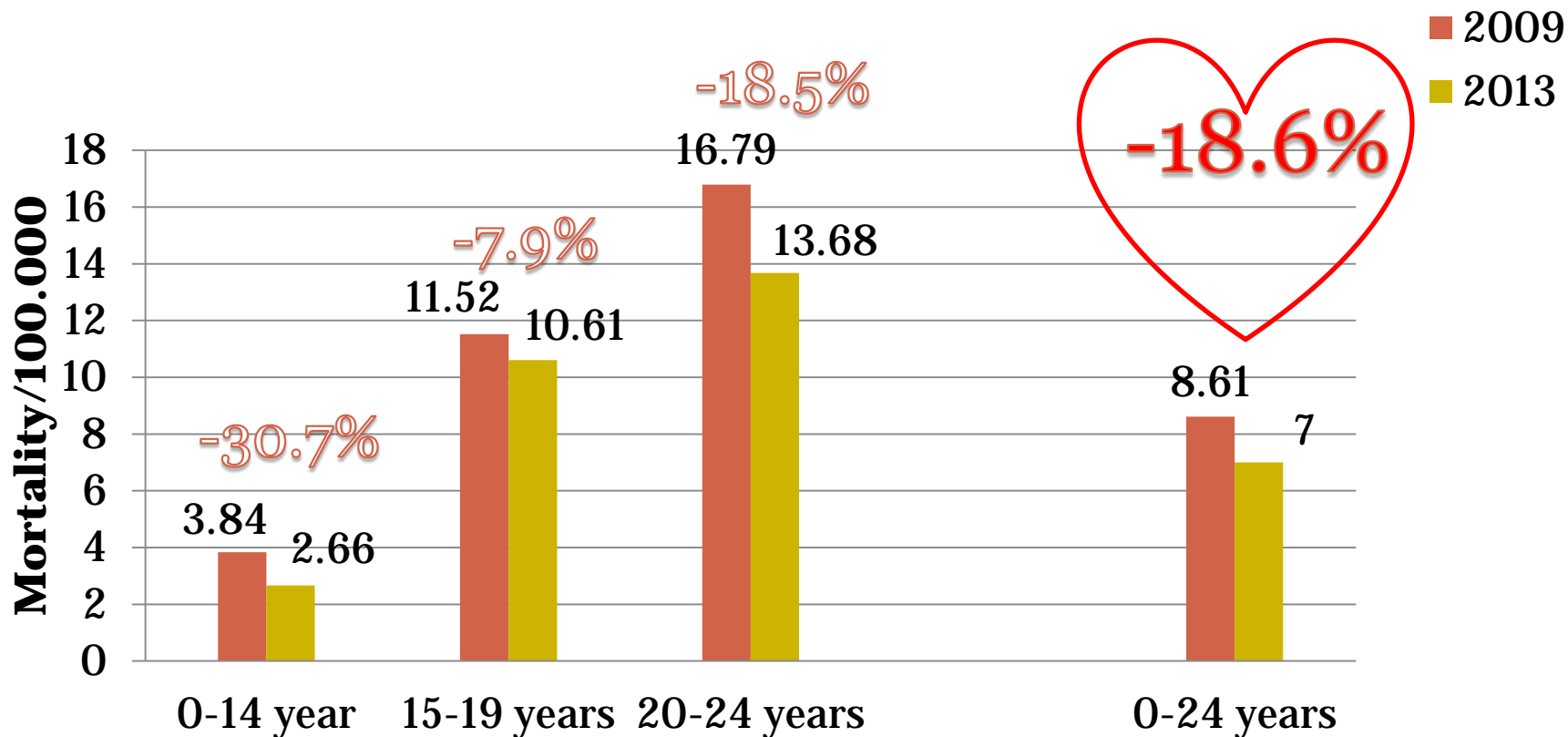


First 3-years' results

Unintentional mortality rate/100.000 population



GOAL: To reduce child injury mortality by 30% in 10 years.





Summary



- **IN MOST EUROPEAN COUNTRIES INJURIES ARE THE NUMBER 1. CAUSE OF CHILD AND YOUTH DEATH OVER 1 YEAR OF AGE.**
- **42% OF ALL CHILD INJURY DEATH CAN BE PREVENTED.**
- **CHILD HEALTH SECTOR SHOULD PLAY A LEADING ROLE IN COORDINATION OF PREVENTION.**
- **THERE IS A 10-YEAR-LONG ONGOING PREVENTION PROGRAM IN HUNGARY.**
- **WE COULD REACH 18.6% IMPROVEMENT IN CHILD INJURY MORTALITY IN 3 YEARS.**

Thank you for your attention!

