UEMS Athens September 19th

Section of Surgery
Division of Trauma Surgery
Topics

• Current situation in RTA Europe and Decade
• Prevention
• Traumanetworks
• Education
• EBSQ Trauma Surgery
Monitoring a decade

• UN GA resolution 54/255 in 2010 called for a Decade of Action for Road Safety (2011–2020).

• Status reports to be used as a monitoring tool for the Decade.
AFRICA HAS HIGHEST ROAD TRAFFIC DEATH RATES PER 100 000 POPULATION
Road Fatality Rates
Road Traffic Trauma

1. The EU road safety situation in 2014

- In 2014, almost 25,700 road fatalities were reported in the EU.
- This is a decrease by around 1% compared to 2013.
Sweden, the Netherlands, the UK and Malta have the lowest reported road fatality rate, below 30 dead per million inhabitants.

The highest road fatality rates are reported from Latvia, Romania, Bulgaria, Lithuania and Poland with more than 80 dead per million inhabitants.
Road Traffic Trauma

- For the complete strategy period 2010-2014, the annual number of road deaths decreased by 18%.
- This means 5,700 fewer deaths in 2014 than in 2010.
- The EU road fatality rate in 2014 was 51 dead per million inhabitants.
59% decrease of deaths in France 2000-2014

<table>
<thead>
<tr>
<th></th>
<th>Piétons</th>
<th>Vélos</th>
<th>Cyclos</th>
<th>MOTOS</th>
<th>VT</th>
<th>VU</th>
<th>PL</th>
<th>Autres</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2014</strong></td>
<td>499</td>
<td>159</td>
<td>165</td>
<td>625</td>
<td>1663</td>
<td>143</td>
<td>56</td>
<td>74</td>
<td>3384</td>
</tr>
<tr>
<td><strong>Progression 2013-2014</strong></td>
<td>7%</td>
<td>8%</td>
<td>4%</td>
<td>-1%</td>
<td>3%</td>
<td>8%</td>
<td>-2%</td>
<td>16%</td>
<td>4%</td>
</tr>
<tr>
<td><strong>Progression 2010-2014</strong></td>
<td>3%</td>
<td>8%</td>
<td>-33%</td>
<td>-11%</td>
<td>-21%</td>
<td>-2%</td>
<td>-14%</td>
<td>-8%</td>
<td>-15%</td>
</tr>
<tr>
<td><strong>Progression 2000-2014</strong></td>
<td>-41%</td>
<td>-42%</td>
<td>-64%</td>
<td>-34%</td>
<td>-69%</td>
<td>-55%</td>
<td></td>
<td></td>
<td>-59%</td>
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</tbody>
</table>
The TARN interrupted casemix adjusted time series analysis suggests that the odds of a major trauma patient surviving in NHS England are **63% better in 2014/15 than in 2008/09**, with a statistically significant seven-year improvement trend. Prior to the introduction of the new trauma networks (2008/09 - 2011/12) there had been no significant trend for improved odds of survival.

TARN July 2015
P.A.R.T.Y.

- Prevention
- Alcohol
- Risk
- Trauma
- Youth
Trauma Registry  DGU 2015

- Patients: >190,000
- Patients per y.: >34,000
- Blunt Trauma: 95.2%
- ISS: 18.3 > 16 53%
- Mortality: 10.3%
- Whole body CT: 67%
- Age: 46.7

Head injury
Spitäler sind:
– Universitätsspital Genf
– CHUV Lausanne
– Inselspital Bern
– Universitätsspital Basel
– Universitätsspital Zürich
– Kantonsspital St. Gallen
– Kantonsspital Luzern
– Kantonsspital Aarau
– Kantonsspital Graubünden
– Kantonsspital Winterthur
– Spital Lugano
– Gesundheitsnetz Wallis Sion
Polytrauma course beyond ATLS

Berlin October 22.-23. 2015

Ongoing changes have occurred that are worth reviewing

Aim: To intend to unite the knowledge of general surgeons, Orthopedic surgeons, neurosurgeons, anesthesiologists, etc. and to improve trauma care.

Prof Pape Aachen

EBSQ  Trauma Surgery
2015

23rd October  Berlin
Deadline October 12th

DKOU
World Day of Remembrance for Road Traffic Victims
15 NOVEMBER 2015

10 years since UN Recognition
20 years of Global Remembrance
"From Global Remembrance to Global Action"

worlddayofremembrance.org

It's time to Remember - Say NO to Road Crime!
Training Requirements for Trauma Surgery
European Standards of Postgraduate Medical Specialist Training
(old chapter 6)
Together we can save millions of lives.

DECADE OF ACTION FOR ROAD SAFETY 2011-2020

www.decadeofaction.org
Number of people killed in traffic collisions on roads in Great Britain

Source data: Reported Road Casualties Great Britain 2008-2011 etc. cc-by-sa 'PeterEastern'
<table>
<thead>
<tr>
<th>Country</th>
<th>Registry</th>
<th>Year</th>
<th>Members</th>
<th>Coding</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>Denmark</td>
<td>Trauma Registry of Southern Denmark</td>
<td>1999</td>
<td>186</td>
<td>Y</td>
<td>Doctor</td>
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<tr>
<td>Finland</td>
<td>Hospital Trauma Registry</td>
<td>2006</td>
<td>1</td>
<td>400</td>
<td>Nurse</td>
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<td>Italy</td>
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<td>2006</td>
<td>10</td>
<td>1135</td>
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<td>Netherlands</td>
<td>National Trauma Registry</td>
<td>2004</td>
<td>10</td>
<td>6007</td>
<td>Y</td>
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<tr>
<td>Norway</td>
<td>National Trauma Registry</td>
<td>Not yet entered</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Norway</td>
<td>National Trauma Registry</td>
<td>2010</td>
<td>1</td>
<td>150</td>
<td>Y</td>
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<tr>
<td>Norway</td>
<td>University Hospital Stavanger</td>
<td>2000</td>
<td>1 DoB 2015</td>
<td>160</td>
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<tr>
<td>Norway</td>
<td>University Hospital Stavanger</td>
<td>2002</td>
<td>1</td>
<td>416</td>
<td>Nurse</td>
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<tr>
<td>Norway</td>
<td>University Hospital Stavanger</td>
<td>August 2000</td>
<td>1</td>
<td>1415</td>
<td>Nurse or Kitt</td>
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<tr>
<td>Portugal</td>
<td>Registro de Trauma del Hospital de Catalunya</td>
<td>2001</td>
<td>1</td>
<td>152</td>
<td>Y</td>
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<tr>
<td>Spain</td>
<td>Registre de Trauma del Hospital de Catalunya</td>
<td>2001</td>
<td>1</td>
<td>152</td>
<td>Y</td>
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<tr>
<td>Sweden</td>
<td>Swedish Trauma Registry</td>
<td>2004</td>
<td>1</td>
<td>97</td>
<td>Nurse</td>
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<tr>
<td>Switzerland</td>
<td>Swiss Trauma Audit and Research Network (SPARAN)</td>
<td>2008</td>
<td>1</td>
<td>115</td>
<td>Y [2]</td>
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<tr>
<td>United Kingdom</td>
<td>Trauma Audit and Research Network (TARAN)</td>
<td>1990</td>
<td>175</td>
<td>27000</td>
<td>Y</td>
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## Age Groups: Share of All Road Deaths and Share of Total Population

<table>
<thead>
<tr>
<th>AGE GROUP</th>
<th>% OF Fatalities</th>
<th>% OF Population</th>
</tr>
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<tbody>
<tr>
<td>&lt;15</td>
<td>&lt;3</td>
<td>16</td>
</tr>
<tr>
<td>15-24</td>
<td>17</td>
<td>11</td>
</tr>
<tr>
<td>25-49</td>
<td>36</td>
<td>35</td>
</tr>
<tr>
<td>50-64</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>&gt;65</td>
<td>25</td>
<td>18</td>
</tr>
</tbody>
</table>

### Share of Road Deaths Per Month

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December
BICYCLE HELMET LAWS IN EU MEMBER STATES

- **AT**: For children up to 12 years
- **CZ**: For children up to 18 years
- **EE**: For children up to 16 years
- **ES**: Mandatory in urban areas
- **HR**: For children up to 16 years
- **HU**: For cycling more than 50 km/h outside built-up areas
- **LT**: For children up to 18 years
- **LV**: For children up to 12 years
- **MT**: For children up to 10 years
- **SE**: For children up to 15 years
- **SI**: For children up to 15 years
- **SK**: For children up to 15 years
Motorcycle use and motorcycle fatalities are much more dependent on weather and season than car driver fatalities with little use of powered two-wheelers during the winter months in Northern Europe.

Moped riders make up around 3% of all EU road deaths.

Mopeds and other light powered two-wheelers make up around 3% of all EU road deaths.

Higher than average shares are reported from for example the Netherlands, Portugal and Denmark, all with more than 5% of road deaths being