This factsheet supports the SLoCaT Sustainable Transport Goal and the Road Safety Targets & Results Framework

The 2010, 2015 and 2030 Baseline

FATALITIES & SERIOUS INJURIES

The 2013 World Health Organisation Global Status Report\(^1\) has published the 2010 baseline of road traffic fatalities worldwide. The key details include:

- 1.24 million killed and 30-50 million injured every year
- Road traffic death point estimates and population numbers in Table A2 of the report have been used as the baseline for each country
- Fatality rates per 100,000 population summarised at income level based on World Bank Income group
- GNI per capita ≤$1,025 = low income; $1,026–12,475 = middle income and $12,476 or more = high income
- 2015 and 2030 predictions based on WHO projections\(^2\) of road related death rates with serious injuries based on the 10 to 1 ratio of serious injuries with deaths used by iRAP\(^3\)
- Analysis based on WHO predictions suggests 265 million people will be killed or seriously injured in road crashes between 2015 and 2030

\(^1\) WHO (2013) Global Status Report on Road Safety 2013

\(^2\) http://www.who.int/healthinfo/global_burden_disease/projections/en/

\(^3\) iRAP (2008) The True Cost of Road Crashes

ECONOMIC COST OF ROAD CRASHES

The iRAP “True Cost of Road Crashes”\(^3\) report provides a statistical valuation of life that can be applied worldwide, along with typical fatal to serious injury ratios. The economic cost of crashes is based on\(^2\):

- The WHO point estimates for fatalities (2010 data)
- A standard estimate of 10 serious injuries for every fatality outcome across all countries
- The recommended value of life = 70xGDP per capita (current prices); and Value of Serious Injury = 25% of the Value of Life
- Calculation of estimated fatal and serious injury crash costs at the country level and aggregated into the various Income Groups

\(^2\) iRAP (2013) The business case for investment in road safety

\(^3\) iRAP (2008) The True Cost of Road Crashes
The 2030 Targets

The 2030 Fatality Targets are based on:

- The United Nations Decade of Action for Road Safety target to stop the rising trend and decrease fatalities to < 900,000 in 2020.
- The Commission for Global Road Safety\(^3\) recommended a target to halve road traffic fatalities by 2030 compared to the 2010 baseline.
- The UN agencies recommended the same target in the TST Issues Brief for the UN Open Working Group meetings in 2014.
- The 2030 target of < 620,000 represents a halving of fatalities from the 2010 baseline of 1,240,000.

\(^3\) Commission for Global Road Safety (2013) “Safe Roads for All”

The 2030 Per Population and GDP targets are based on:

- **The Income Group the country was in as at 2010** (changes in income levels and World Bank income group brackets unknown at this stage)
- Average population growth of 44% in low income countries; 22% in middle income countries and 7% in high income countries for the period 2010-2030 (based on UN projections)
- Average GDP growth of 163% in low and middle income countries and 53% growth in high income countries for the period 2010-2030 (based on OECD projections)
- Fatalities per 100,000 population rates adjusted to meet the <620,000 target – with middle-income countries most urgent and able to act.
- 10 serious injuries for every fatality assumed throughout the period (common reporting of serious injuries to be developed further).
- Economic cost of crashes as a percentage of GDP halved from the 2010 baseline (recalibration of the cost of crashes required for any ongoing monitoring).

**WHAT IS AMBITIOUS AND ACHIEVABLE?**

<table>
<thead>
<tr>
<th>Target fatalities</th>
<th>&lt;620,000</th>
<th>&lt;500,000</th>
<th>&lt;400,000</th>
<th>&lt;250,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>% reduction from 2010 baseline</td>
<td>50%+</td>
<td>60%+</td>
<td>68%+</td>
<td>80%+</td>
</tr>
<tr>
<td>Deaths &amp; serious injuries saved 2010-2030</td>
<td>103,624,000</td>
<td>109,300,000</td>
<td>114,400,000</td>
<td>122,800,000</td>
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<tr>
<td>Crash cost savings</td>
<td>US$12,700 billion</td>
<td>US$15,200 billion</td>
<td>US$17,200 billion</td>
<td>US$20,300 billion</td>
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</tbody>
</table>

**POPULATION TARGETS (Fatalities per 100,000 population)**

<table>
<thead>
<tr>
<th></th>
<th>Low Income</th>
<th>Middle Income</th>
<th>High Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deaths</td>
<td>&lt;12</td>
<td>&lt;7</td>
<td>&lt;4</td>
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<tr>
<td>Serious</td>
<td>&lt;9</td>
<td>&lt;6</td>
<td>&lt;3</td>
</tr>
<tr>
<td>Injuries</td>
<td>&lt;7</td>
<td>&lt;5</td>
<td>&lt;2</td>
</tr>
<tr>
<td>&lt;100,000</td>
<td>&lt;4</td>
<td>&lt;3</td>
<td>&lt;2</td>
</tr>
</tbody>
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