ROAD TRAFFIC CRASHES CAUSE APPROXIMATELY 1.3 MILLION DEATHS GLOBALLY EACH YEAR. OVER 60% OF THESE CASUALTIES OCCUR IN ASIA. BASED ON HISTORICAL TRENDS AND EXISTING ROAD SAFETY POLICIES AND INTERVENTIONS, IT IS ESTIMATED THAT BY 2030, ROAD TRAFFIC FATALITIES IN THE ASIA-PACIFIC REGION WILL DROP BY ONLY 14%.

TO ACHIEVE THE 50% REDUCTION GOAL OF THE SECOND DECADE AND HALVE THE NUMBER OF DEATHS AND INJURIES FROM ROAD TRAFFIC ACCIDENTS IN ASIA AND THE PACIFIC BY 2030 (SDG TARGET 3.6), AN AVERAGE OF 6.1% REDUCTION IN TOTAL ROAD TRAFFIC FATALITIES ANNUALLY IS REQUIRED.

TO MEET THE SECOND DECADE’S REDUCTION GOAL IN THE REGION, IT IS IMPERATIVE THAT ROAD CRASH FATALITIES BE REDUCED TO 357,462 BY 2030.
Can the Asia-Pacific region reverse the trend by 2025?

Yes!

The implementation and enforcement of a set of comprehensive road safety interventions can yield by 2025 the reduction in the number of fatalities necessary to align with the 50% reduction trend target by 2030.

**Key Road Safety Measures to implement:**

- **Speed Control:** Limit urban road speed to ≤ 50 km/h; cap motorway speed at ≤ 100 km/h.
- **Vehicle Standards:** Enforce standards for seat belts, frontal and side impact, and pedestrian protection.
- **Alcohol and Substance Limits:** Mandate 0.05 g/D BAC limits for all drivers.
- **Safety Legislation and Enforcement:** Implement and strictly enforce seat belt, child restraint, helmet, speed, drink-driving and mobile phone laws. Institute a demerit/penalty point system.
- **Usage Compliance:** Ensure 100% compliance with seat belt usage in front and rear seats; attain 100% helmet usage among drivers.
- **Emergency Response:** Enhance ambulance transport for serious injuries (SI).

**Intervention Scenario vs. Business as Usual**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Fatalities if Business as Usual</th>
<th>Targeted Number of Fatalities to Reach the 50% Reduction Goal by 2030</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>714,346</td>
<td>357,462</td>
</tr>
<tr>
<td>2019</td>
<td>604,614</td>
<td>357,462</td>
</tr>
<tr>
<td>2020</td>
<td>504,874</td>
<td>357,462</td>
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<tr>
<td>2021</td>
<td>470,387</td>
<td>357,462</td>
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<tr>
<td>2022</td>
<td>435,909</td>
<td>357,462</td>
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<tr>
<td>2023</td>
<td>401,430</td>
<td>357,462</td>
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<tr>
<td>2024</td>
<td>366,951</td>
<td>357,462</td>
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<tr>
<td>2025</td>
<td>332,472</td>
<td>357,462</td>
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<tr>
<td>2026</td>
<td>308,993</td>
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<td>2027</td>
<td>285,514</td>
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<td>2028</td>
<td>262,035</td>
<td>357,462</td>
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<td>2029</td>
<td>238,556</td>
<td>357,462</td>
</tr>
<tr>
<td>2030</td>
<td>215,077</td>
<td>357,462</td>
</tr>
</tbody>
</table>

**After Intervention**

- **243,959 Lives Saved**
- **$1,090 Billion Saved**

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*Projected road traffic fatalities were estimated using the WHO dataset and the SAFEFITS model.*

**Calculations are based on intervention year 2022 for a result in 2025.**
One death occurs every 44 seconds in Asia-Pacific due to road accidents...

**Motor-cycle helmet and seat-belt wearing** are among the two most impactful measures in terms of preventing road fatalities.

If the Asia-Pacific region robustly implements and enforces:

- Laws mandating fastened helmets with an helmet law enforcement score of 10.
- Strict helmet adherence to safety standards.
- Attains 100% helmet use.

It would result in:

- 64,816 lives saved
- $290 billion saved

Followed by speed and drink-driving limitations measures...

If the Asia-Pacific region firmly implements and enforces:

- Maximum speed limits of less than 50 km/h on urban roads.
- Maximum speed limits of less than 100 km/h on motorways.
- Speed limit law enforcement score of 10.

It would result in:

- 34,167 lives saved
- $153 billion saved

If the Asia-Pacific region implements and strictly enforces:

- Drink-driving laws with an enforcement score of 10.
- BAC limitations ≤ 0.05 g/dL (for general population, young and commercial drivers).

It would result in:

- 33,596 lives saved
- $150 billion saved

By fully implementing seat-belt measures in East and North-East Asia and South and South-West Asia, respectively 25.6% and 27% reduction of fatalities could be achieved by 2025.

**Decade of Action for Road Safety**

2021 - 2030

**ESCAP**

Economic and Social Commission for Asia and the Pacific

ESCAP analysis and calculations displayed in this infographic are based on intervention year 2022 for a result in 2025 and on data from WHO (Road Traffic Fatalities), UN Population (Historical & Projected Population), IMF & OECD (Historical & Projected GDP); SAFEFITS model by ECE; and Crash Costing Toolkit by IRAP.