

# Challenges for Transportation

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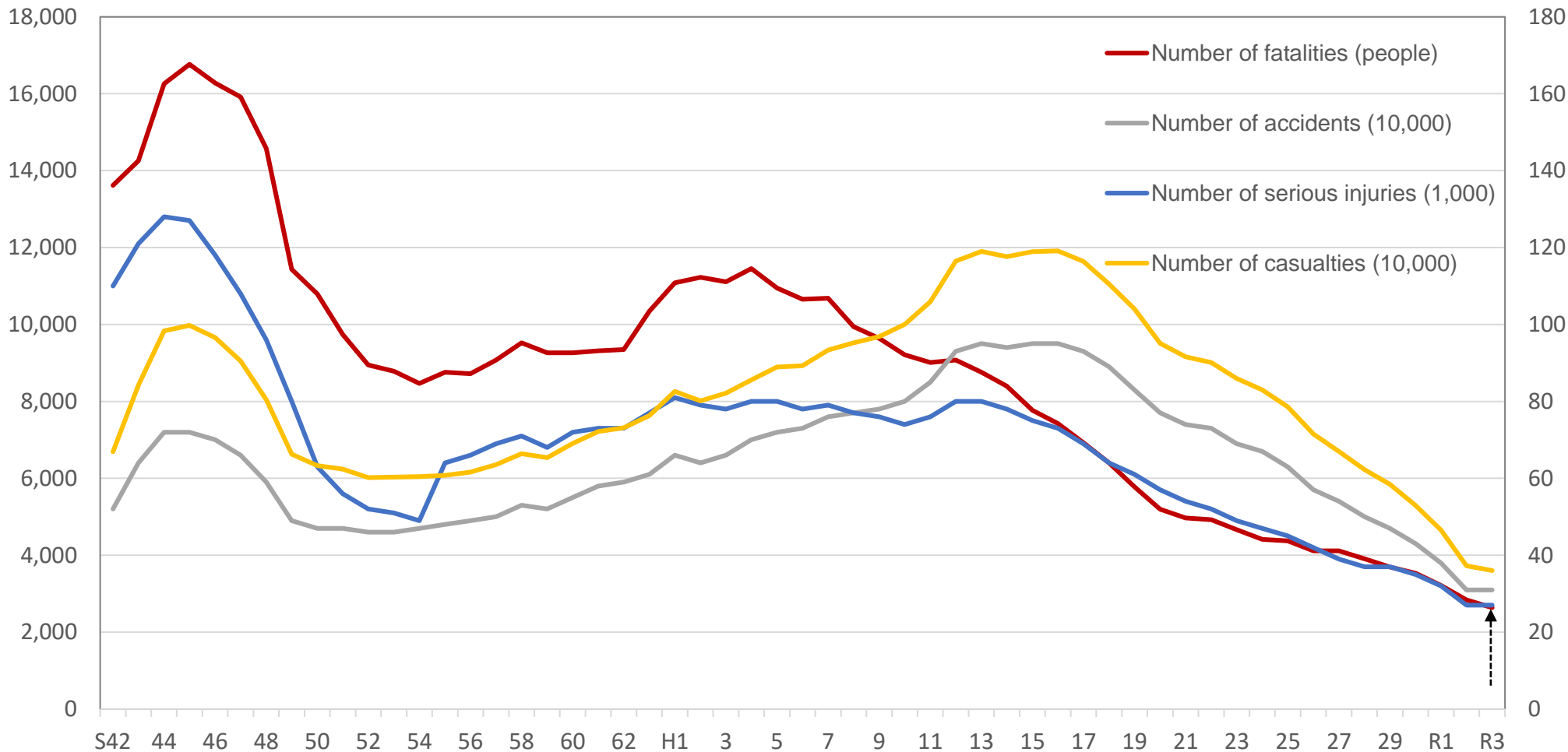
RTB, MLIT

2021 Number of accidents resulting in injury or fatality: 305,196  
 Number of fatalities: 2,636 Number of serious injuries: 27,204 Number of casualties: 364,767

**Trend of the number of traffic fatalities, serious injuries, casualties, and accidents**

Number of accidents (10,000)  
 Number of casualties (10,000)  
 Number of serious injuries (1,000)

Number of fatalities (people)

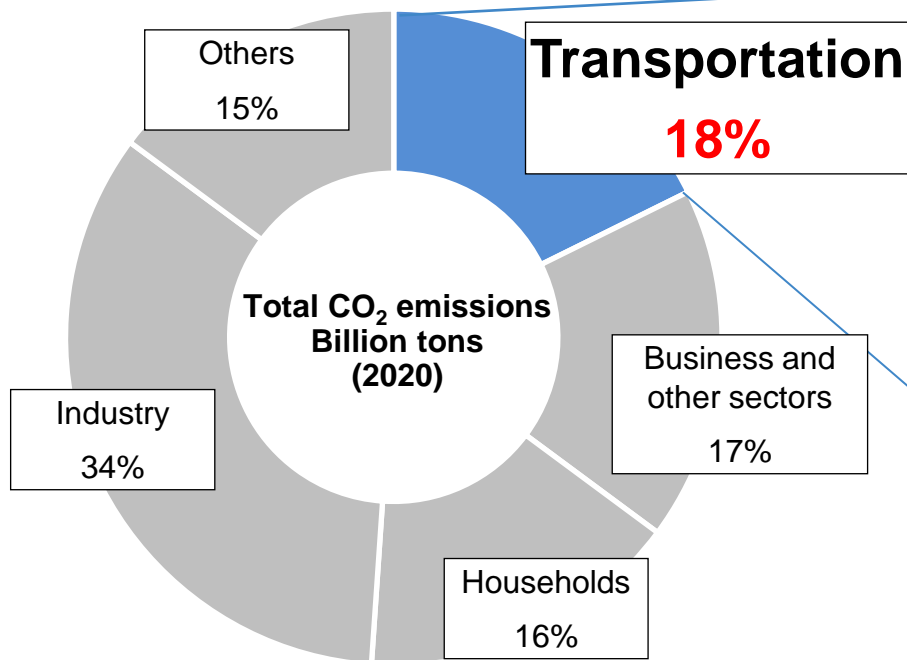


Source: Compiled by the MLIT from materials published by the National Police Agency (NPA).

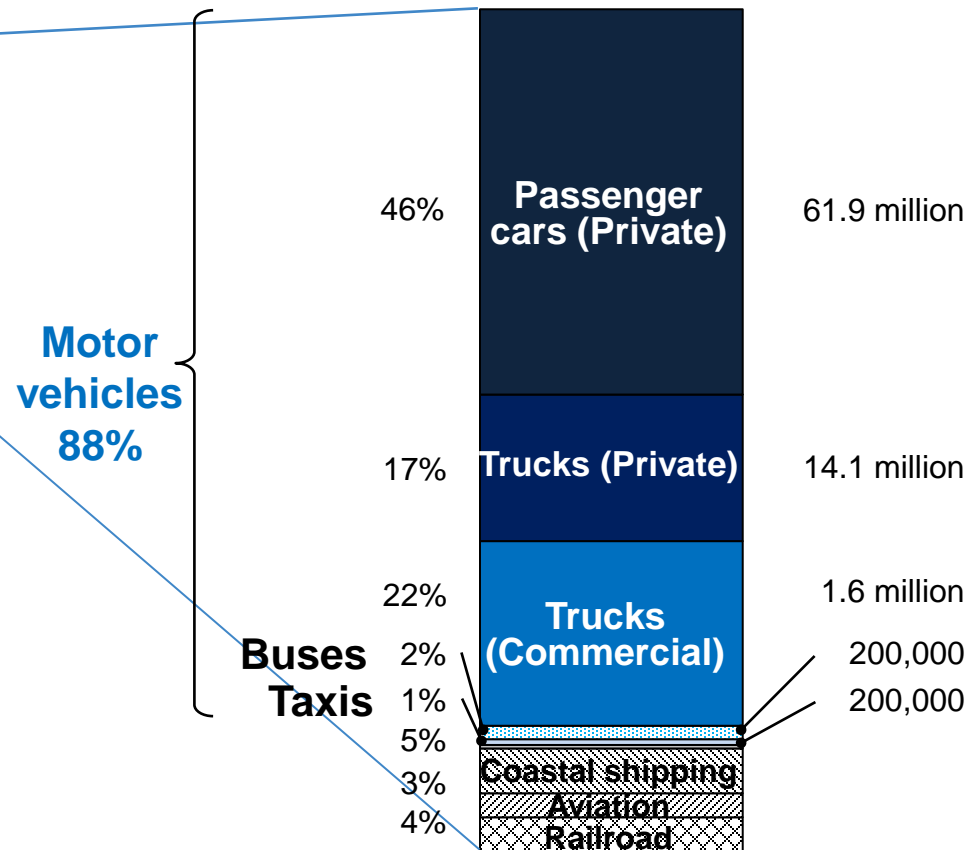
## Priority Areas

- **Protecting pedestrians, cyclists, and other vulnerable road users**
  - ✓ Establish a regulation on devices for checking close-proximity rear view while reversing
  - ✓ Establish a regulation on close-proximity front and lateral view requirements
  - ✓ Strengthen and expand the regulation on AEBS
  - ✓ Consider introducing a regulation for auto-leveling devices
  - ✓ Establish a regulation for Reverse Warning Alarm, etc.
- **Preventing priority serious accidents involving the elderly**
  - ✓ Establish a regulation for risk mitigation function (RMF)
  - ✓ Consider introducing a regulation for Misapplication Prevention Systems/ Devices (PMPS/ PMPD), etc.
- **Automated driving**
  - ✓ Consider strengthening and expanding the regulation on ALKS, etc.

## CO<sub>2</sub> emissions by sector in Japan



## CO<sub>2</sub> emissions from the transportation sector



## Major Actions

- **Establish fuel efficiency standards**
  - ✓ Establish ambitious fuel efficiency and emission standards
- **Promote and spread next-generation vehicles**
  - ✓ Develop and introduce tax incentives and subsidy programs
  - ✓ Under the Green Growth Strategy, set an electrification target for new vehicles sold
- **Visualize CO<sub>2</sub> emissions over the entire life cycle of vehicles**
  - ✓ Establish technical guidelines for an internationally harmonized Life Cycle Assessment (LCA) methodology

- ◆ In the years to come, the WP.29, or the World Forum for Harmonization of Vehicle Regulations, will play an increasingly important role in our efforts to address global safety and environmental issues, while keeping pace with the rapid progress of automotive technology.
- ◆ WP.29 evolves into a more attractive forum for the international harmonization of vehicle regulations, and that the number of Contracting Parties to the 1958 and 1998 Agreements continues to increase.
- ◆ Japan is currently playing an important role such as Vice-Chair of AC.3 and Vice-Chair of GRVA, and will continue contributing to the development of WP.29.

SAVE THE DATE



## 27th ESV 2023 YOKOHAMA, JAPAN



27th International Technical Conference on  
the Enhanced Safety of Vehicles

Date April, 3-6, 2023  
Venue PACIFICO Yokohama



YOKOSO!



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**Thank you.**