

Transport for Health

The Global Burden of Disease from Motorized Road Transport

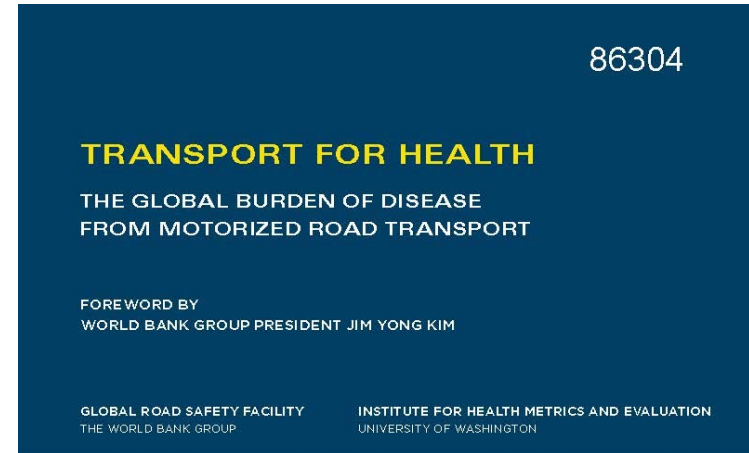
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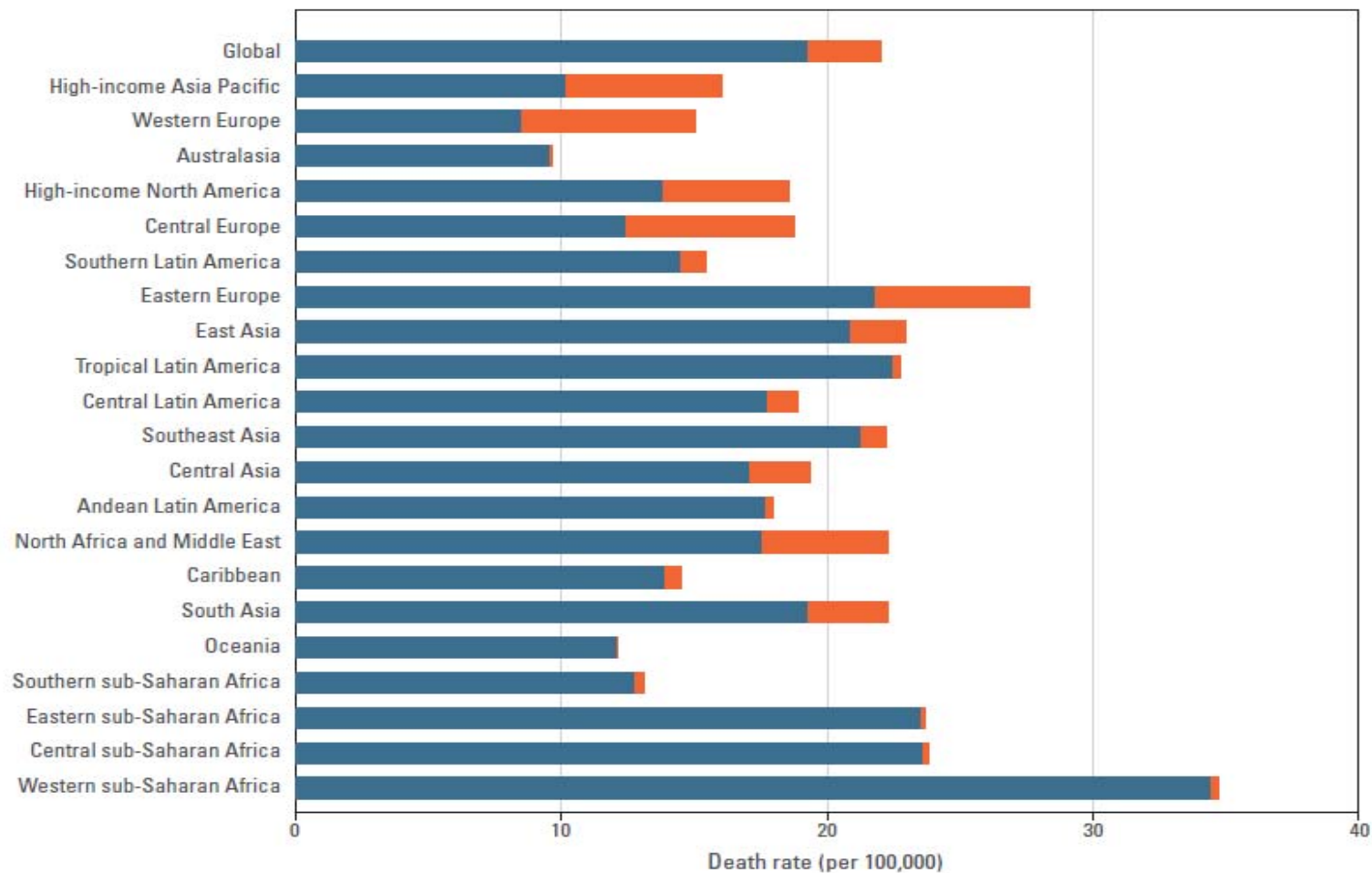
Transport contributes to 6 of the top 10 death causes

Table 1: Leading causes of death worldwide, associated DALYs, and burden attributable to motorized road transport, 2010

Rank	Cause	Global burden of disease		Burden attributable to motorized road transport	
		Deaths	DALYs	Deaths	DALYs
1	Ischemic heart disease	7,029,270	129,795,464	90,639	1,909,563
2	Stroke	5,874,181	102,238,999	58,827	1,148,699
3	COPD	2,899,941	76,778,819	17,266	346,376
4	Lower respiratory infections	2,814,379	115,227,062	5,670	489,540
5	Lung cancer	1,527,102	32,405,411	11,395	232,646
6	HIV/AIDS	1,465,369	81,549,177	–	–
7	Diarrheal diseases	1,445,798	89,523,909	–	–
8	Road injury	1,328,536	75,487,102	1,328,536	75,487,104
9	Diabetes mellitus	1,281,345	46,857,136	–	–
10	Tuberculosis	1,195,990	49,399,351	–	–
	All other causes	24,207,527	1,682,995,639	–	–
	Total	52,769,676	2,482,258,070	1,512,333	79,613,928

Road deaths (in blue) are dominant in all world regions

Figure 7: Death rates from injuries and air pollution due to motorized road transport, 2010



Report confirms under-reporting of road traffic deaths

China	India
Reported road death toll : 62,225	Reported road death toll : 130,037
GBD 2010 estimates: 283,000	GBD 2010 estimates: 274,000
WHO estimates: 275,983	WHO estimates: 231,027
Underreporting: 334%	Underreporting: 111%

Transport for Health: Recommendations

- **Scale up road National and Municipal road safety programs and crash reporting capacity for a 2030 SDG World: death/injury losses and data leaks will hold back country development.**
- **Promote strong institutional development and multi-sectoral collaboration--road crash prevention requires agency coordination. Target short term action in key crash hot spots while building longer term capacity.**
- **Safe System road safety is not cheap but is the right long term outcome for a Post-SDG world. Avoid tendency to focus on behavior/education—think how to reduce the burden from holistic point of view (targeted outcomes, interventions [vehicles, roads, enforcement], and governance).**
- **Systematically account for the health impact of road projects.**
- **<http://www.worldbank.org/grsf>**