THE LANCET Public Health

Supplementary appendix

This online publication has been corrected. The corrected version first appeared at thelancet.com/public-health on November 30, 2022

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

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APPENDIX

Table of Contents

$ \textit{Table S1: Injury mechanism codes and case definitions within GBD Study Cause code \ hierarchy1 } \\$
Table S2: List of the 204 country/territories and their Socio Demographic Index (SDI) classification in 2019
Table S3: Injury-related mortality in adolescents aged 10-24 years. Absolute number of deaths in 1990 and 2019 and percentage change in absolute number between 1990 and 2019 by mechanism of transport and unintentional injuries
Table S4: Injury-related Disability Adjusted Life Years (DALYs) in adolescents aged 10-24 years. Absolute number of DALYs in 1990 and 2019 and percentage change in absolute number between 1990 and 2019 by mechanism of transport and unintentional injuries
Table S5: Level 4 breakdown of road injuries category, deaths absolute numbers and rates per 100,000 population 1990 and 2019, and percentage change between 1990 and 2019 by Socio Demographic Index (SDI)
Table S6: Tier 4 breakdown of road injuries category, DALYs absolute numbers and rates per 100,000 population 1990 and 2019, and percentage change between 1990 and 2019 by SDI15
Table S7: Injury-related deaths and DALYs absolute numbers and rates per 100,000 population for males aged 10-24 years by mechanism of injury, transport injuries and unintentional injuries 2019 and percentage change 1990-2019
Table S8: Injury-related deaths and DALYs absolute numbers and rates per 100,000 population for females aged 10-24 years by mechanism of injury, transport injuries and unintentional injuries 2019 and percentage change 1990-2019
Table S9: Adolescent transport and unintentional injury-related mortality in absolute numbers and rates per 100,000 population overall and by age group, by socio-demographic index (SDI), and percentage change from 1990 to 2019.
Table S10: Injury-related mortality in absolute numbers and rates per 100,000 population for males and by age group, by socio-demographic index, transport injury and unintentional injury and trends over time 1990-201920
Table S11: Injury-related mortality in absolute numbers and rates per 100,000 population for females overall and by age group, by socio-demographic index, transport injury and unintentional injury and trends over time 1990-2019
Table S12: Level 4 breakdown of select unintentional injury mechanisms for adolescents 10-24 years, total deaths and deaths per 100,000 population, 1990 and 2019 and percentage change by SDI
Table S13: Level 4 breakdown of select unintentional injury mechanisms for adolescents 10-24 years, total DALYs and DALYs per 100,000 population, 1990 and 2019 and percentage change by SDI
Figure S1: Percentage change in transport injury DALYs per 100,000 population in adolescents from 1990 to 2019
Figure S2: Percentage change in transport injury and unintentional injury fatality rates in adolescents per 100,000 population overall and by sex and SDI, between 1990-2010 and 2010-

Figure S3: Percentage change in transport injury and unintentional injury disability adjusted life year (DALY) rates per 100,000 population overall and by sex and SDI, between 1990-2010 and 2010-2019
Figure S4: The percentage change in DALYs per 100,000 population from 1990 to 2019 for each injury mechanism by SDI group
Figure S5: Transport injury DALY rates per 100,000 population, 1990 vs 2019 by sex and country (coloured according to SDI), adolescents 10-24 years
Figure S6: Heatmap of transport injury DALYs and deaths rates and percentage change 1990-2019 by country, adolescents 10-24 years
Figure S7: Percentage change in unintentional injury DALYs per 100,000 population from 1990 to 2019
Figure S8: Heatmap of unintentional injury mechanism death rates and percentage change 1990-2019 by country, adolescents 10-24 years
Figure S9: Heatmap of unintentional injury mechanism DALY rates and percentage change 1990-2019 by country, adolescents 10-24 years
Figure S10: Exposure to forces of nature absolute number, and rate per 100,000 population of DALYs and deaths, annual trends and percentage change, 1990-201948
Figure S11: Unintentional injury DALY rates per 100,000 population, 1990 vs 2019 by sex and country (coloured according to SDI), adolescents 10-24 years
GATHER Checklist
GBD 2019 Adolescent Transport and Unintentional Injuries Collaborators – Authors and Affiliations
Authors' Contributions
Author Acknowledgements and Declarations of Interest71

Table S1: Injury mechanism codes and case definitions within GBD Study Cause code hierarchy

Hierarchy	Cause	ICD 10 codes	Case definition (fatal)	Case definition (non-fatal)
Α	Communicable, maternal, neonatal, and			
	nutritional diseases			
В	Non-communicable diseases			
С	Injuries			
C.1	Transport injuries			
C1.1	Road injuries	V01-V04.99, V06-V80.929, V82-	Interaction with an automobile,	Interaction with an automobile,
		V82.9, V87.2-V87.3	motorcycle, pedal cycle or other	motorcycle, pedal cycle or other vehicles
		,	vehicles resulting in death.	resulting in bodily damage.
			Interaction, as a pedestrian on the	Interaction, as a pedestrian on the road,
	Pedestrian road injuries	V01-V04.99, V06-V09.9	road, with an automobile,	with an automobile, motorcycle, pedal
	r caestrian road injuries		motorcycle, pedal cycle or other	cycle or other vehicles resulting in bodily
C.1.1.1			vehicles resulting in death.	damage.
	Cyclist road injuries	V10-V19.9	Accident, as a cyclist or passenger on	Accident, as a cyclist or passenger on a
C.1.1.2	eyemeereaa myarree		a pedal cycle, resulting in death.	pedal cycle, resulting in bodily damage.
	Motorcyclist road injuries	V20-V29.9	Accident, as a rider on a motorcycle,	Accident, as a rider on a motorcycle,
C.1.1.3			resulting in death.	resulting in bodily damage.
	Motor vehicle road injuries	V30-V79.9, V87.2-V87.3	Accident, as a driver or passenger in	Accident, as a driver or passenger in a
C.1.1.4		,	a motor vehicle, resulting in death.	motor vehicle, resulting in bodily damage.
			Death resulting from being a driver	Bodily damage resulting from being a
	Other road injuries	V80-V80.929, V82-V82.9	or passenger of a vehicle not	driver or passenger of a vehicle not
	Suiter roughting	,	including automobiles, motorcycles,	including automobiles, motorcycles,
C.1.1.5			bicycles (ie, streetcar).	bicycles (ie, streetcar).
C1.2	Other transport injuries	V00-V00.898, V05-V05.99, V81-	Interaction with a means of	Interaction with a means of transport
		V81.9, V83-V86.99, V88.2-V88.3,	transport other than automobile,	other than automobile, motorcycle, pedal
		V90-V98.8	motorcycle, pedal cycle or other road	cycle or other road vehicles resulting in
			vehicles resulting in death.	bodily damage.
C.2	Unintentional injuries			T
C.2.1	Falls		A sudden movement downwards due	A sudden movement downward due to
		W00-W19.9	to slipping, tripping or other	slipping, tripping or other accidental
			accidental movement which results	movement which results in a person
			in a person coming to rest	coming to rest inadvertently on the

			inadvertently on the ground, floor or	ground, floor or other lower level,
			other lower level, resulting in death.	resulting in tissue damage.
C.2.2	Drowning		Death that occurs as a result of	Non-fatal immersion or submersion in
			immersion in water or another fluid.	water or another fluid, regardless of
		W65-W70.9, W73-W74.9		whether tissue damage has occurred. The
				subject can be resuscitated and has not
				suffered brain death.
C.2.3	Fire, heat, and hot substances		Death due to unintentional exposure	Unintentional exposure to substances of
			to substances of high temperature	high temperature sufficient to cause
			sufficient to cause tissue damage on	tissue damage on exposure, including
			exposure, including bodily contact	bodily contact with hot liquid, solid or gas
		X00-X06.9, X08-X19.9	with hot liquid, solid or gas such as	such as cooking stoves, smoke, steam,
			cooking stoves, smoke, steam,	drinks, machinery, appliances, tools,
			drinks, machinery, appliances, tools,	radiators and objects radiating heat
			radiators and objects radiating heat	energy.
			energy.	
C.2.4	Poisonings		Death resulting from accidental	Unintentional exposure to a non-
			exposure to a non-infectious	infectious substance which contacts the
			substance which contacts the body	body or enters into the body via
		E86.02-E86.99, J70.5, X40-X44.9,	or enters into the body via	inhalation, ingestion, injection or
		X46-X49.9, Y10-Y14.9, Y16-Y19.9	inhalation, ingestion, injection or	absorption and causes deranged
			absorption and causes deranged	physiological function of body and/or
			physiological function of body and/or	cellular injury/death.
			cellular injury/death.	
			Death from exposure to carbon	Non-fatal exposure to CO as identified
			monoxide (CO) as identified based	based on carboxyhemoglobin levels
	Poisoning by carbon monoxide	E86.2-E86.29, E86.8-E86.89, J70.5,	on carboxyhemoglobin levels	(specified based on smoking status and
	roisoning by carbon monoxide	X47-X47.9	(specified based on smoking status	age) or proximity to a confirmed CO
			and age) or proximity to a confirmed	poisoning case.
C.2.4.1			CO poisoning case.	
			Death resulting from accidental	Accidental exposure to a non-infectious
		E86.02-E86.19, E86.3-E86.7,	exposure to a non-infectious	substance (other than CO) which contacts
	Poisoning by other means	E86.9-E86.99, X40-X44.9, X46-	substance (other than CO) which	the body or enters into the body via
	r disdining by differ inteuris	X46.9, X48-X49.9, Y10-Y14.9, Y16-	contacts the body or enters into the	inhalation, ingestion, injection or
		Y19.9	body via inhalation, ingestion,	absorption and causes deranged
C.2.4.2			injection or absorption and causes	

C.2.5 C.2.5.1	Exposure to mechanical forces Unintentional firearm injuries Other exposure to mechanical	W20-W38.9, W40-W43.9, W45.0- W45.2, W46-W46.2, W49-W52 W32-W34.9 W20-W31.9, W35-W38.9, W40- W43.9, W45.0-W45.2, W46- W46.2, W49-W52	deranged physiological function of body and/or cellular injury/death. Unintentional death resulting from contact with or threat of an (in)animate object, human or plant. Unintentional death resulting from contact with a firearm. Unintentional death resulting from contact with or threat of an (in)animate object (not including a	physiological function of body and/or cellular injury/death. Unintentional bodily damage resulting from contact with or threat of an (in)animate object, human or plant. Unintentional bodily damage resulting from contact with a firearm. Unintentional bodily damage resulting from contact with or threat of an (in)animate object (not including a
C.2.5.2 C.2.6	Adverse effects of medical treatment	D69.5-D69.59, D70.1-D70.2, D78-D78.89, D89.81-D89.813, E03.2, E06.4, E09-E09.9, E16.0, E23.1, E24.2, E27.3, E36-E36.8, E66.1, E87.0-E87.99, E89-E89.9, G21.0-G21.19, G24.0-G24.09, G25.1, G25.4, G25.6-G25.79, G62.0, G72.0, G93.7, G96.0, G96.11, G97-G97.9, H05.33-H05.339, H05.42-H05.53, H59-H59.89, H91.0-H91.09, H95-H95.9, I95.2-I95.81, I97-I97.9, J70-J70.4, J95-J95.9, K08.5-K08.59, K43-K43.9, K52.0, K62.7, K68.11, K91-K91.9, K94-K95.89, L23.3, L27.0-L27.1, L56.0-L56.1, L64.0, L76-L76.82, M10.2-M10.29, M87.1-M87.19, M96-M96.9, N14-N14.4, N30.4-N30.41, N46.021, N46.121, N52.2-N52.39, N65-N65.1, N99-N99.9, P93-P93.8, P96.2, P96.5, R50.2-R50.83, Y40-Y84.9, Y88-Y88.3, Z21.0, Z42-Z43.0, Z43.8-Z43.9, Z48-Z44.9, Z96-6-Z97.2, Z97.8-Z99.12, Z99.3-Z99.9	firearm), human or plant. Death sustained as the result of undergoing a procedure, treatment, or other exposure to the health-care system. This exposure can occur in inpatient admission, outpatient facilities, emergency care, or during home treatment.	firearm), human or plant. Short-term or long-term disability sustained as the result of undergoing a procedure, treatment, or other exposure to the health-care system. This exposure can occur in inpatient admission, outpatient facilities, emergency care, or during home treatment.
C.2.7	Animal contact	W52.0-W62.9, W64-W64.9, X20- X29.9	Death resulting from unintentionally being attacked, struck, impaled, bitten, stung, crushed, exposed to or stepped on by a non-human animal.	Bodily damage resulting from unintentionally being attacked, butted, impaled, bitten, stung, crushed, exposed to or stepped on by a non-human animal.

C.2.7.1	Venomous animal contact		Death resulting from unintentionally being bitten by, stung by, or exposed to a non-human venomous animal.	Bodily damage resulting from unintentionally being bitten by, stung by or exposed to a non-human venomous or poisonous animal.
C.2.7.2	Non-venomous animal contact	W52.0-W62.9, W64-W64.9, X20- X29.9	Death resulting from unintentionally being attacked, struck, impaled, crushed, exposed to or stepped on by a non-human animal.	Bodily damage resulting from unintentionally being attacked, struck, impaled, crushed, exposed to or stepped on by a non-human animal.
C.2.8	Foreign body	H02.81-H02.819, H44.6-H44.799, M60.2-M60.28, W44-W45, W45.3-W45.9, W75-W76.9, W78- W80.9, W83-W84.9	Unintentional death from an extraneous material or substance being within the body, including the airway, lungs, nose, and eyes.	Unintentional bodily damage from an extraneous material or substance being within the body, including the airway, lungs, nose, and eyes.
C.2.8.1	Pulmonary aspiration and foreign body in airway	W75-W76.9, W78-W80.9, W83- W84.9	Unintentional death from inhaling, swallowing or aspirating extraneous materials or substance that enters the airway or lungs.	Unintentional bodily damage from inhaling, swallowing or aspirating extraneous materials or substance that enters the airway or lungs.
C.2.8.2	Foreign body in eyes	H02.81-H02.819, H44.6-H44.799	NA	Unintentional damage from extraneous materials or substance in the orbital structure or eye.
C.2.8.3	Foreign body in other body part	M60.2-M60.28, W44-W45, W45.3-W45.9	Unintentional death from an extraneous material or substance being within the body, not including the airway, lungs or eyes.	Unintentional bodily damage from an extraneous material or substance being within the body, not including the airway, lungs or eyes.
C.2.9	Environmental heat and cold exposure	L55-L55.9, L58-L58.9, W88-W94.9, W97.9, W99-W99.9, X30-X32.9, X39-X39.9	Deaths resulting from exposure to high or low temperatures in the environment, not including contact with fire, heat, or hot substances.	Disability resulting from exposure to high or low temperatures in the environment, not including contact with fire, heat, or hot substances.
C.2.10	Exposure to forces of nature	X33-X38.9	Death resulting from an unforeseen and often sudden natural event such as a hurricane, earthquake, tsunami or tornado.	Bodily damage resulting from an unforeseen and often sudden natural event such as a hurricane, earthquake, tsunami or tornado.
C.2.11	Other unintentional injuries	W39-W39.9, W77-W77.9, W81- W81.9, W85-W87.9, X50-X58.9	Death resulting from unintentional injuries not included in transport injuries or elsewhere in unintentional injuries.	Disability resulting from unintentional injuries not included in transport injuries or elsewhere in unintentional injuries.

Table S2: List of the 204 country/territories and their Socio Demographic Index (SDI) classification in 2019

Country/Territory	SDI classification
Afghanistan	Low SDI
Benin	Low SDI
Bhutan	Low SDI
Burkina Faso	Low SDI
Burundi	Low SDI
Central African Republic	Low SDI
Chad	Low SDI
Comoros	Low SDI
Côte d'Ivoire	Low SDI
Democratic Republic of the Congo	Low SDI
Eritrea	Low SDI
Ethiopia	Low SDI
Gambia	Low SDI
Guinea	Low SDI
Guinea-Bissau	Low SDI
Haiti	Low SDI
Kiribati	Low SDI
Liberia	Low SDI
Madagascar	Low SDI
Malawi	Low SDI
Mali	Low SDI
Mozambique	Low SDI
Nepal	Low SDI
Niger	Low SDI
Papua New Guinea	Low SDI
Rwanda	Low SDI
Senegal	Low SDI
Sierra Leone	Low SDI
Solomon Islands	Low SDI
Somalia	Low SDI
South Sudan	Low SDI
Togo	Low SDI
Uganda	Low SDI
United Republic of Tanzania	Low SDI
Yemen	Low SDI
Angola	Low-middle SDI
Bangladesh	Low-middle SDI
Belize	Low-middle SDI
Bolivia (Plurinational State of)	Low-middle SDI
Cabo Verde	Low-middle SDI
Cambodia	Low-middle SDI
Cameroon	Low-middle SDI
Congo	Low-middle SDI

Democratic People's Republic of Korea	Low-middle SDI
Djibouti	Low-middle SDI
Dominican Republic	Low-middle SDI
El Salvador	Low-middle SDI
Eswatini	Low-middle SDI
Ghana	Low-middle SDI
Guatemala	Low-middle SDI
Honduras	Low-middle SDI
India	Low-middle SDI
Kenya	Low-middle SDI
Kyrgyzstan	Low-middle SDI
Lao People's Democratic Republic	Low-middle SDI
Lesotho	Low-middle SDI
Maldives	Low-middle SDI
Marshall Islands	Low-middle SDI
Mauritania	Low-middle SDI
Micronesia (Federated States of)	Low-middle SDI
Morocco	Low-middle SDI
Myanmar	Low-middle SDI
, Nicaragua	Low-middle SDI
Nigeria	Low-middle SDI
Pakistan	Low-middle SDI
Philippines	Low-middle SDI
Samoa	Low-middle SDI
Sao Tome and Principe	Low-middle SDI
Sudan	Low-middle SDI
Tajikistan	Low-middle SDI
Timor-Leste	Low-middle SDI
Tuvalu	Low-middle SDI
Vanuatu	Low-middle SDI
Zambia	Low-middle SDI
Zimbabwe	Low-middle SDI
Albania	
	Middle SDI
Algeria	Middle SDI
Botswana	Middle SDI
Brazil	Middle SDI
Colombia	Middle SDI
Costa Rica	Middle SDI
Cuba	Middle SDI
Ecuador	Middle SDI
Egypt	Middle SDI
Equatorial Guinea	Middle SDI
Fiji	Middle SDI
Gabon	Middle SDI
Grenada	Middle SDI
Guyana	Middle SDI
Indonesia	Middle SDI
Iraq	Middle SDI

Jamaica	Middle SDI
Mexico	Middle SDI
Mongolia	Middle SDI
Namibia	Middle SDI
Nauru	Middle SDI
Palestine	Middle SDI
Panama	Middle SDI
Paraguay	Middle SDI
Peru	Middle SDI
Saint Lucia	Middle SDI
Saint Vincent and the Grenadines	Middle SDI
South Africa	Middle SDI
Sri Lanka	Middle SDI
Suriname	Middle SDI
Syrian Arab Republic	Middle SDI
Thailand	Middle SDI
Tokelau	Middle SDI
Tonga	Middle SDI
Tunisia	Middle SDI
Uzbekistan	Middle SDI
Venezuela (Bolivarian Republic of)	Middle SDI
Viet Nam	Middle SDI
American Samoa	High-middle SDI
Antigua and Barbuda	High-middle SDI
Argentina	High-middle SDI
Armenia	High-middle SDI
Azerbaijan	High-middle SDI
Bahamas	High-middle SDI
Bahrain	High-middle SDI
Barbados	High-middle SDI
Belarus	High-middle SDI
Bosnia and Herzegovina	High-middle SDI
Bulgaria	High-middle SDI
Chile	High-middle SDI
China	_
Cook Islands	High-middle SDI
	High-middle SDI High-middle SDI
Croatia	High-middle SDI
Croatia Dominica	High-middle SDI High-middle SDI
Dominica	High-middle SDI High-middle SDI High-middle SDI
Dominica Georgia	High-middle SDI High-middle SDI High-middle SDI High-middle SDI
Dominica Georgia Greece	High-middle SDI High-middle SDI High-middle SDI High-middle SDI High-middle SDI
Dominica Georgia Greece Greenland	High-middle SDI
Dominica Georgia Greece Greenland Hungary	High-middle SDI
Dominica Georgia Greece Greenland Hungary Iran (Islamic Republic of)	High-middle SDI
Dominica Georgia Greece Greenland Hungary Iran (Islamic Republic of) Italy	High-middle SDI
Dominica Georgia Greece Greenland Hungary Iran (Islamic Republic of) Italy Jordan	High-middle SDI
Dominica Georgia Greece Greenland Hungary Iran (Islamic Republic of) Italy Jordan Kazakhstan	High-middle SDI
Dominica Georgia Greece Greenland Hungary Iran (Islamic Republic of) Italy Jordan	High-middle SDI

Malaysia	High-middle SDI
Malta	High-middle SDI
Mauritius	High-middle SDI
Montenegro	High-middle SDI
Niue	High-middle SDI
North Macedonia	High-middle SDI
Northern Mariana Islands	High-middle SDI
Oman	High-middle SDI
Palau	High-middle SDI
Poland	High-middle SDI
Portugal	High-middle SDI
Republic of Moldova	High-middle SDI
Romania	High-middle SDI
Russian Federation	High-middle SDI
Saint Kitts and Nevis	G
	High-middle SDI
Saudi Arabia	High-middle SDI
Serbia	High-middle SDI
Seychelles	High-middle SDI
Spain	High-middle SDI
Trinidad and Tobago	High-middle SDI
Turkey	High-middle SDI
Turkmenistan	High-middle SDI
Ukraine	High-middle SDI
Uruguay	High-middle SDI
Andorra	High SDI
Andorra Australia	High SDI High SDI
	_
Australia	High SDI
Australia Austria	High SDI High SDI
Australia Austria Belgium	High SDI High SDI High SDI
Australia Austria Belgium Bermuda	High SDI High SDI High SDI High SDI High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam Iceland	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam Iceland	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam Iceland Ireland Israel	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam Iceland Israel Japan	High SDI
Australia Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam Iceland Israel Japan Kuwait	High SDI
Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam Iceland Ireland Israel Japan Kuwait Latvia	High SDI
Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam Iceland Ireland Israel Japan Kuwait Latvia Lithuania	High SDI
Austria Belgium Bermuda Brunei Darussalam Canada Cyprus Czechia Denmark Estonia Finland France Germany Guam Iceland Ireland Israel Japan Kuwait Latvia	High SDI

Netherlands	High SDI
New Zealand	High SDI
Norway	High SDI
Puerto Rico	High SDI
Qatar	High SDI
Republic of Korea	High SDI
San Marino	High SDI
Singapore	High SDI
Slovakia	High SDI
Slovenia	High SDI
Sweden	High SDI
Switzerland	High SDI
Taiwan (Province of China)	High SDI
United Arab Emirates	High SDI
United Kingdom	High SDI
United States of America	High SDI
United States Virgin Islands	High SDI

Table S3: Injury-related mortality in adolescents aged 10-24 years. Absolute number of deaths in 1990 and 2019 and percentage change in absolute number between 1990 and 2019 by mechanism of transport and unintentional injuries

		1990 Deaths (Uncertainty Interval)	2019 Deaths (Uncertainty Interval)	Percentage change 1990 to 2019 (Uncertainty Interval)
	Transport injuries	41,019 (40,382 - 42,031)	16,611 (15,633 - 17,562)	-59.5% (-61.757.4)
	Road injuries	39,397 (38,777 - 40,378)	15,656 (14,699 - 16,586)	-60.3% (-62.558.2)
	Other transport injuries	1,622 (1,563 - 1,693)	956 (903 - 1,012)	-41.1% (-44.736.8)
	Unintentional injuries	13,894 (12,943 - 14,575)	5,351 (5,050 - 5,711)	-61.5% (-64.058.0)
	Adverse effects of medical treatment	265 (223 - 311)	172 (151 - 191)	-35.0% (-45.523.3)
	Animal contact	38 (35 - 41)	28 (26 - 30)	-25.1% (-31.617.1)
Ö	Drowning	3,960 (3,632 - 4,137)	1,381 (1,304 - 1,472)	-65.1% (-67.561.9)
High SDI	Environmental heat and cold exposure	172 (162 - 203)	113 (108 - 119)	-34.4% (-41.829.7)
	Exposure to forces of nature	158 (144 - 174)	29 (26 - 32)	-81.7% (-81.781.7)
	Exposure to mechanical forces	2,414 (2,302 - 2,604)	723 (648 - 814)	-70.0% (-74.065.9)
	Falls	2,271 (2,067 - 2,420)	1,228 (1,110 - 1,376)	-45.9% (-52.138.9)
	Fire, heat, and hot substances	1,178 (1,099 - 1,246)	411 (365 - 467)	-65.1% (-68.260.3)
	Foreign body	788 (755 - 812)	395 (378 - 415)	-49.9% (-52.546.0)
	Other unintentional injuries	1,760 (1,412 - 2,222)	540 (406 - 703)	-69.4% (-79.956.5)
	Poisonings	889 (794 - 951)	332 (310 - 354)	-62.6% (-66.158.0)
	Transport injuries	52,976 (50,168 - 58,948)	26,776 (24,606 - 28,689)	-49.5% (-55.644.7)
	Road injuries	49,823 (47,178 - 55,558)	24,939 (22,921 - 26,754)	-49.9% (-56.045.3)
	Other transport injuries	3,154 (2,767 - 3,537)	1,837 (1,576 - 2,059)	-41.7% (-50.533.3)
	Unintentional injuries	42,485 (40,071 - 45,321)	17,295 (15,937 - 18,543)	-59.3% (-63.455.2)
=	Adverse effects of medical treatment	729 (563 - 849)	321 (283 - 358)	-56.0% (-64.046.1)
High-middle SDI	Animal contact	496 (389 - 579)	220 (181 - 284)	-55.5% (-65.837.1)
음	Drowning	18,295 (16,822 - 19,950)	6,125 (5,589 - 6,691)	-66.5% (-70.362.6)
ğ	Environmental heat and cold exposure	1,626 (1,459 - 1,736)	347 (311 - 383)	-78.7% (-80.976.1)
<u>-</u>	Exposure to forces of nature	236 (214 - 259)	36 (33 - 40)	-84.8% (-84.884.8)
įġ	Exposure to mechanical forces	4,197 (3,770 - 5,130)	1,850 (1,528 - 2,080)	-55.9% (-66.246.8)
	Falls	5,835 (5,338 - 6,803)	3,200 (2,827 - 3,537)	-45.2% (-54.637.1)
	Fire, heat, and hot substances	2,351 (1,990 - 2,758)	1,057 (790 - 1,351)	-55.0% (-63.440.6)
	Foreign body	1,471 (1,419 - 1,538)	949 (880 - 1,015)	-35.5% (-40.530.6)
	Other unintentional injuries	4,545 (4,224 - 5,210)	1,880 (1,666 - 2,075)	-58.6% (-65.952.7)
	Poisonings	2,704 (2,483 - 3,016)	1,310 (1,141 - 1,437)	-51.6% (-61.345.0)
	Transport injuries	102,886 (96,121 - 117,485)	70,690 (64,019 - 77,832)	-31.3% (-40.123.6)
	Road injuries	96,915 (90,591 - 110,860)	66,840 (60,183 - 73,725)	-31.0% (-39.823.2)
	Other transport injuries	5,972 (5,033 - 6,943)	3,850 (3,170 - 4,484)	-35.5% (-45.422.4)
	Unintentional injuries	99,910 (91,337 - 107,126)	45,456 (39,152 - 50,411)	-54.5% (-59.449.3)
	Adverse effects of medical treatment	2,160 (1,484 - 2,592)	986 (816 - 1,138)	-54.4% (-63.139.4)
	Animal contact	2,593 (1,942 - 3,005)	1,578 (1,282 - 1,982)	-39.2% (-51.012.2)
S	Drowning	40,351 (34,526 - 44,801)	15,811 (13,955 - 17,426)	-60.8% (-65.855.3)
₿	Environmental heat and cold exposure	917 (458 - 1,173)	315 (168 - 382)	-65.7% (-71.258.7)
Middle SDI	Exposure to forces of nature	11,548 (10,485 - 12,706)	249 (226 - 274)	-97.8% (-97.897.8)
_	Exposure to mechanical forces	9,349 (8,030 - 10,916)	5,517 (4,036 - 6,591)	-41.0% (-57.025.6)
	Falls	10,507 (9,214 - 12,276)	7,440 (6,104 - 8,433)	-29.2% (-42.316.6)
	Fire, heat, and hot substances	5,844 (3,963 - 7,822)	3,524 (2,138 - 5,225)	-39.7% (-55.38.0)
	Foreign body	2,472 (2,319 - 2,659)	1,869 (1,676 - 2,101)	-24.4% (-33.215.8)
	Other unintentional injuries	9,693 (8,137 - 11,472)	5,736 (4,260 - 6,629)	-40.8% (-54.228.3) -45.7% (-61.835.4)
	Poisonings Transport injuries	4,477 (3,938 - 5,133) 51,012 (45,971 - 57,281)	2,432 (1,811 - 2,739) 57,328 (49,856 - 64,825)	12.4% (-2.1 - 28.6)
	Road injuries	46,259 (41,758 - 52,312)	52,679 (45,611 - 59,504)	13.9% (-1.0 - 30.0)
	Other transport injuries	4,754 (3,959 - 5,570)	4,649 (3,645 - 5,433)	-2.2% (-19.2 - 18.3)
	Unintentional injuries	66,888 (57,626 - 74,954)	54,548 (46,828 - 61,976)	-18.4% (-27.26.6)
_	Adverse effects of medical treatment	2,502 (1,717 - 3,112)	2,032 (1,568 - 2,348)	-18.8% (-34.2 - 2.0)
SD	Animal contact	9,605 (5,875 - 11,697)	7,820 (4,677 - 10,036)	-18.6% (-35.4 - 24.0)
<u>o</u>	Drowning	23,231 (20,016 - 27,736)	15,450 (13,360 - 18,270)	-33.5% (-43.121.8)
둳	Environmental heat and cold exposure	622 (269 - 823)	501 (214 - 672)	-19.4% (-33.6 - 1.4)
Low - Middle SDI	Exposure to forces of nature	738 (670 - 812)	492 (447 - 542)	-33.3% (-33.333.3)
` ≥	Exposure to mechanical forces	5,197 (4,167 - 6,251)	4,793 (3,908 - 5,727)	-7.8% (-22.4 - 12.4)
Ĺ	Falls	7,406 (6,285 - 9,103)	8,076 (6,842 - 9,386)	9.0% (-10.5 - 34.9)
	Fire, heat, and hot substances	5,314 (2,833 - 7,608)	4,873 (3,300 - 6,567)	-8.3% (-36.5 - 61.2)
	Foreign body	1,289 (1,168 - 1,423)	1,676 (1,468 - 1,918)	30.1% (9.5 - 49.5)
	Other unintentional injuries	8,079 (5,011 - 10,225)	6,332 (4,365 - 7,572)	-21.6% (-41.12.0)
	Poisonings	2,906 (2,348 - 3,584)	2,502 (2,075 - 2,915)	-13.9% (-33.0 - 3.7)
	Transport injuries	23,701 (19,658 - 27,429)	42,774 (35,369 - 50,565)	80.5% (53.4 - 113.3)
No.	Road injuries	21,950 (18,206 - 25,397)	39,853 (32,786 - 47,034)	81.6% (53.1 - 114.6)
ی ت	Other transport injuries	1,751 (1,405 - 2,363)	2,921 (2,331 - 4,023)	66.8% (33.9 - 103.9)
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Unintentional injuries	22,928 (19,032 - 26,561)	31,961 (26,987 - 37,994)	39.4% (20.0 - 65.3)
Adverse effects of medical treatment	1,323 (857 - 2,109)	1,825 (1,286 - 2,870)	37.9% (16.1 - 76.2)
Animal contact	3,408 (1,987 - 4,537)	3,903 (2,544 - 5,349)	14.5% (-18.1 - 82.2)
Drowning	5,557 (4,489 - 6,702)	6,586 (5,528 - 8,044)	18.5% (-1.4 - 48.6)
Environmental heat and cold exposure	671 (362 - 861)	846 (439 - 1,210)	26.0% (-2.9 - 65.7)
			389.5% (389.5 -
Exposure to forces of nature	155 (141 - 170)	758 (688 - 834)	389.5)
Exposure to mechanical forces	2,317 (1,868 - 2,925)	3,820 (2,932 - 5,239)	64.9% (33.7 - 134.1)
Falls	2,269 (1,733 - 2,783)	3,818 (2,996 - 4,760)	68.3% (23.1 - 133.8)
Fire, heat, and hot substances	1,781 (1,076 - 2,481)	2,652 (1,875 - 3,553)	48.9% (2.8 - 151.6)
Foreign body	907 (772 - 1,046)	1,843 (1,553 - 2,188)	103.2% (64.9 - 145.1)
Other unintentional injuries	2,965 (2,136 - 4,072)	3,737 (3,097 - 4,495)	26.0% (-5.4 - 69.8)
Poisonings	1,574 (1,232 - 1,951)	2,174 (1,790 - 2,717)	38.1% (13.2 - 81.9)

Note: Uncertainty intervals percentage of change 1990-2019 for exposure to forces of nature are the same as the percentage value.

Table S4: Injury-related Disability Adjusted Life Years (DALYs) in adolescents aged 10-24 years. Absolute number of DALYs in 1990 and 2019 and percentage change in absolute number between 1990 and 2019 by mechanism of transport and unintentional injuries

		1990 DALYs (thousands) (Uncertainty Interval)	2019 DALYs (thousands) (Uncertainty Interval)	Percentage change1990 to 2019 (Uncertainty Interval)
	Transport injuries	2,982.5 (2,914.7 - 3,065.0)	1,226.4 (1,156.8 - 1,292.3)	-58.9% (-61.056.9)
	Road injuries	2,851.9 (2,789.3 - 2,928.4)	1,146.1 (1,075.3 - 1,209.2)	-59.8% (-62.057.8)
	Other transport injuries	130.7 (123.5 - 139.4)	80.3 (74.3 - 87.3)	-38.5% (-41.934.8)
	Unintentional injuries	1,663.1 (1,428.9 - 1,985.7)	973.0 (764.6 - 1,239.6)	-41.5% (-46.536.8)
	Adverse effects of medical treatment	22.3 (19.0 - 26.1)	16.0 (13.7 - 19.0)	-28.3% (-38.418.3)
	Animal contact	14.9 (10.2 - 20.6)	13.2 (8.9 - 18.4)	-11.6% (-14.19.7)
High SDI	Drowning	282.7 (260.0 - 295.6)	98.8 (93.4 - 105.0)	-65.0% (-67.461.9)
, rg	Environmental heat and cold exposure	22.0 (18.2 - 27.2)	16.1 (13.1 - 20.0)	-26.8% (-32.123.3)
Ĭ	Exposure to forces of nature	11.8 (10.7 - 13.0)	2.6 (2.3 - 3.3)	-77.5% (-79.174.6)
	Exposure to mechanical forces	331.9 (268.4 - 423.7)	177.3 (129.5 - 250.8)	-46.6% (-52.640.5)
	Falls Fire, heat, and hot substances	451.9 (354.0 - 582.6) 129.6 (110.5 - 155.8)	374.1 (278.4 - 502.4) 61.9 (47.1 - 83.1)	-17.2% (-23.013.0) -52.3% (-58.146.4)
	Foreign body	83.1 (73.0 - 98.0)	52.8 (43.6 - 66.6)	-36.5% (-40.831.5)
	Other unintentional injuries	226.2 (179.7 - 289.5)	117.7 (85.8 - 163.8)	-48.0% (-58.238.3)
	Poisonings	86.8 (76.9 - 98.8)	42.5 (35.2 - 51.4)	-51.1% (-56.045.1)
	Transport injuries	3,937.6 (3,712.9 - 4,351.6)	2,014.8 (1,858.5 - 2,152.1)	-48.8% (-54.644.4)
	Road injuries	3,694.0 (3,485.0 - 4,093.9)	1,872.6 (1,724.3 - 1,999.7)	-49.3% (-55.144.9)
	Other transport injuries	243.6 (217.1 - 273.6)	142.1 (123.2 - 158.5)	-41.6% (-49.534.0)
	Unintentional injuries	3,980.6 (3,628.8 - 4,390.9)	1,856.7 (1,628.7 - 2,160.2)	-53.4% (-57.349.5)
_	Adverse effects of medical treatment	54.2 (43.0 - 63.1)	25.0 (22.1 - 28.1)	-54.0% (-61.944.3)
SD	Animal contact	56.9 (46.2 - 68.4)	29.1 (23.5 - 36.2)	-48.9% (-56.537.6)
<u>e</u>	Drowning	1,318.8 (1,214.5 - 1,438.1)	437.3 (399.3 - 476.7)	-66.8% (-70.563.0)
nide	Environmental heat and cold exposure	150.6 (134.3 - 168.3)	46.2 (38.3 - 57.1)	-69.3% (-72.865.4)
High-middle SDI	Exposure to forces of nature	19.5 (17.5 - 21.9)	6.4 (5.0 - 8.5)	-67.0% (-72.758.6)
. <u>0</u>	Exposure to mechanical forces	508.2 (423.2 - 622.9)	261.0 (207.7 - 335.1)	-48.6% (-56.443.1)
	Falls	804.1 (675.3 - 966.8)	517.6 (409.7 - 647.4)	-35.6% (-42.530.7)
	Fire, heat, and hot substances	246.2 (206.2 - 291.9)	117.1 (90.9 - 151.6)	-52.4% (-59.142.4)
	Foreign body	153.8 (134.4 - 182.0)	96.8 (83.7 - 115.3)	-37.0% (-40.633.9)
	Other unintentional injuries	452.1 (398.1 - 529.1)	212.8 (178.8 - 260.0)	-52.9% (-59.348.2)
	Poisonings	216.3 (197.0 - 244.4)	107.4 (95.9 - 118.0)	-50.3% (-58.744.5)
	Transport injuries	7,582.8 (7,099.9 - 8,549.4)	5,252.4 (4,767.3 - 5,759.3)	-30.7% (-39.023.5)
	Road injuries	7,115.7 (6,672.4 - 8,057.5)	4,949.0 (4,478.0 - 5,433.5)	-30.5% (-38.923.2)
	Other transport injuries	467.1 (400.2 - 539.8)	303.4 (253.4 - 352.3)	-35.0% (-44.023.3)
	Unintentional injuries	8,319.0 (7,597.7 - 9,007.8)	4,223.0 (3,688.5 - 4,738.7)	-49.2% (-53.744.3)
	Adverse effects of medical treatment	157.1 (109.4 - 187.3)	73.9 (62.3 - 84.9)	-53.0% (-61.638.0)
=	Animal contact	229.7 (181.7 - 264.1)	145.5 (120.7 - 176.5)	-36.7% (-46.815.8)
SDI	Drowning	2,933.2 (2,515.3 - 3,252.0)	1,138.8 (1,004.8 - 1,255.1)	-61.2% (-66.055.8)
e Ge	Environmental heat and cold exposure	120.2 (83.9 - 153.1)	68.0 (50.3 - 90.0)	-43.5% (-51.832.4)
Middle	Exposure to forces of nature	872.0 (791.5 - 959.8)	45.7 (36.0 - 59.4)	-94.8% (-95.793.3)
	Exposure to mechanical forces	817.6 (706.2 - 953.1)	543.5 (423.0 - 654.7)	-33.5% (-48.121.2)
	Falls	1,220.1 (1,051.2 - 1,412.5)	950.3 (780.0 - 1,148.8)	-22.1% (-31.913.6)
	Fire, heat, and hot substances	553.3 (404.4 - 707.4)	342.6 (235.6 - 475.8)	-38.1% (-51.515.1)
	Foreign body	269.2 (232.4 - 324.4)	202.4 (171.0 - 245.1)	-24.8% (-30.619.0)
	Other unintentional injuries	808.8 (692.4 - 951.3)	522.5 (409.1 - 606.5)	-35.4% (-47.524.4)
	Poisonings	337.6 (299.3 - 387.8)	189.8 (148.7 - 212.1)	-43.8% (-58.634.1)
	Transport injuries	3,905.2 (3,532.5 - 4,346.3)	4,433.8 (3,878.5 - 4,948.9)	13.5% (0.1 - 28.2)
e S	Road injuries	3,540.2 (3,196.4 - 3,977.3)	4,070.9 (3,559.8 - 4,547.7)	15.0% (1.4 - 29.6)
lppi	Other transport injuries	365.0 (308.3 - 425.7)	362.9 (293.3 - 420.3)	-0.6% (-16.4 - 18.5)
Ē	Unintentional injuries	5,614.5 (4,934.5 - 6,267.4)	4,848.7 (4,221.2 - 5,478.9)	-13.6% (-21.93.0)
Low-middle SDI	Adverse effects of medical treatment	178.8 (123.6 - 222.5)	146.3 (114.3 - 168.5)	-18.2% (-33.2 - 2.4)
_	Animal contact	744.4 (478.4 - 899.5)	606.9 (381.7 - 766.1)	-18.5% (-34.1 - 20.2)

	Drowning	1,686.4 (1,451.1 - 2,013.0)	1,114.1 (963.8 - 1,317.3)	-33.9% (-43.422.5)	
	Environmental heat and cold exposure	87.0 (61.1 - 110.5)	88.0 (63.9 - 112.5)	1.1% (-10.2 - 13.1)	
	Exposure to forces of nature	68.4 (59.3 - 79.6)	79.7 (63.0 - 103.6)	16.5% (1.6 - 36.8)	
	Exposure to mechanical forces	460.3 (388.6 - 545.4)	463.2 (388.3 - 548.0)	0.6% (-13.3 - 15.8)	
	Falls	858.7 (731.5 - 1,016.7)	958.4 (797.6 - 1,139.3)	11.6% (-2.0 - 27.1)	
	Fire, heat, and hot substances	477.4 (297.8 - 643.4)	431.1 (317.2 - 556.3)	-9.7% (-33.0 - 36.8)	
	Foreign body	154.3 (131.0 - 185.4)	199.0 (164.7 - 243.1)	28.9% (16.1 - 40.5)	
	Other unintentional injuries	679.0 (453.2 - 841.0)	569.1 (420.2 - 672.2)	-16.2% (-33.5 - 1.1)	
	Poisonings	219.8 (180.0 - 267.9)	193.0 (161.9 - 223.0)	-12.2% (-31.1 - 4.2)	
	Transport injuries	1,823.1 (1,537.5 - 2,085.0)	3,294.6 (2,753.8 - 3,848.2)	80.7% (55.8 - 110.4)	
	Road injuries	1,685.6 (1,417.3 - 1,926.9)	3,060.8 (2,551.3 - 3,584.1)	81.6% (55.3 - 111.4)	
	Other transport injuries	137.5 (113.4 - 179.1)	233.9 (193.5 - 314.9)	70.1% (40.3 - 103.8)	
	Unintentional injuries	1,981.7 (1,674.9 - 2,262.5)	2,974.6 (2,544.8 - 3,518.9)	50.1% (31.5 - 72.6)	
	Adverse effects of medical treatment	95.1 (62.1 - 150.9)	132.0 (93.3 - 205.2)	38.8% (16.9 - 76.9)	
	Animal contact	268.4 (163.8 - 348.0)	317.8 (219.2 - 423.7)	18.4% (-12.9 - 80.2)	
ā	Drowning	405.8 (327.8 - 488.0)	479.4 (402.2 - 585.9)	18.1% (-1.5 - 48.0)	
Low SDI	Environmental heat and cold exposure	64.2 (41.5 - 79.2)	93.0 (62.4 - 124.4)	44.9% (19.6 - 77.8)	
2	Exposure to forces of nature	14.7 (12.7 - 17.2)	98.0 (80.0 - 122.1)	567.0% (514.4 - 636.3)	
	Exposure to mechanical forces	209.3 (172.9 - 258.0)	364.7 (290.5 - 464.7)	74.2% (48.0 - 128.0)	
	Falls	269.9 (219.7 - 325.8)	501.6 (402.3 - 616.3)	85.9% (53.3 - 124.7)	
	Fire, heat, and hot substances	182.4 (125.7 - 235.4)	272.3 (211.5 - 346.3)	49.3% (14.5 - 114.3)	
	Foreign body	103.6 (88.4 - 122.5)	213.7 (175.9 - 256.4)	106.2% (81.1 - 131.5)	
	Other unintentional injuries	250.6 (189.3 - 331.0)	338.4 (284.3 - 400.6)	35.1% (6.1 - 72.1)	
	Poisonings	117.8 (93.6 - 144.9)	163.8 (137.0 - 203.9)	39.1% (14.5 - 82.1)	

Table S5: Level 4 breakdown of road injuries category, deaths absolute numbers and rates per 100,000 population 1990 and 2019, and percentage change between 1990 and 2019 by Socio Demographic Index (SDI)

		Deaths in 1990 (UI)	Deaths in 2019 (UI)	Deaths % change (UI)	Deaths/100,000 in 1990 (UI)	Deaths/100,000 in 2019 (UI)	Deaths per 100,000 % change (UI)
	Road injuries	254,510.0 (240,521.1 to 280,349.0)	200,112.9 (180,273.8 to 220,460.9)	-21.4% (-29.8 to -13.5)	16.4 (15.5 to 18.1)	10.7 (9.7 to 11.8)	-34.6% (-41.6 to -28.1)
	Pedestrian road injuries	89,417.9 (75,694.2 to 104,826.3)	55,392.6 (46,538.8 to 62,816.8)	-38.1% (-49.0 to -23.9)	5.8 (4.9 to 6.8)	3.0 (2.5 to 3.4)	-48.5% (-57.6 to -36.7)
a	Cyclist road injuries	9,359.3 (7,749.5 to 11,966.9)	7,889.8 (6,811.7 to 8,834.1)	-15.7% (-40.4 to 5.0)	0.6 (0.5 to 0.8)	0.4 (0.4 to 0.5)	-29.9% (-50.4 to -12.7)
Global	Motorcyclist road injuries	53,083.8 (45,430.8 to 64,461.1)	51,354.0 (44,220.7 to 57,749.9)	-3.3% (-20.2 to 15.8)	3.4 (2.9 to 4.2)	2.8 (2.4 to 3.1)	-19.5% (-33.6 to -3.7)
O	Motor vehicle road injuries	100,284.8 (90,270.4 to 112,699.6)	83,372.5 (74,249.3 to 94,239.1)	-16.9% (-26.6 to -6.3)	6.5 (5.8 to 7.3)	4.5 (4.0 to 5.1)	-30.8% (-38.9 to -22.0)
	Other road injuries	2,364.2 (2,001.6 to 2,851.9)	2,104.0 (1,807.7 to 2,432.7)	-11.0% (-30.4 to 14.0)	0.2 (0.1 to 0.2)	0.1 (0.1 to 0.1)	-26.0% (-42.1 to -5.2)
	Road injuries	21,949.8 (18,206.4 to 25,397.0)	39,853.2 (32,786.1 to 47,034.4)	81.6% (53.1 to 114.6)	13.4 (11.1 to 15.5)	10.7 (8.8 to 12.7)	-19.9% (-32.5 to -5.4)
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_	Pedestrian road injuries	8,480.3 (6,114.8 to 11,097.3)	13,455.2 (10,175.6 to 16,661.4)	58.7% (25.3 to 108.8)	5.2 (3.7 to 6.8)	3.6 (2.7 to 4.5)	-30.0% (-44.7 to -7.9)
SDI	Cyclist road injuries	790.1 (608.9 to 1,162.2)	1,283.1 (979.5 to 1,681.3)	62.4% (2.2 to 114.6)	0.5 (0.4 to 0.7)	0.3 (0.3 to 0.5)	-28.4% (-54.9 to -5.4)
× C	Motorcyclist road injuries Motor vehicle road	2,573.4 (2,027.6 to 3,734.1)	5,383.1 (4,116.5 to 7,206.2)	109.2% (55.1 to 172.3)	1.6 (1.2 to 2.3)	1.4 (1.1 to 1.9)	-7.7% (-31.6 to 20.1)
ĭ	injuries	9,934.4 (7,336.7 to 12,281.7)	19,408.1 (15,371.9 to 23,666.2)	95.4% (61.4 to 151.4)	6.1 (4.5 to 7.5)	5.2 (4.1 to 6.4)	-13.8% (-28.8 to 10.9)
	Other road injuries	171.5 (129.4 to 244.5)	323.7 (236.2 to 439.8)	88.7% (36.5 to 162.8)	0.1 (0.1 to 0.1)	0.1 (0.1 to 0.1)	-16.8% (-39.8 to 15.9)
	Road injuries	46,258.9 (41,757.9 to 52,312.2)	52,679.0 (45,610.7 to 59,504.3)	13.9% (-1.0 to 30.0)	13.1 (11.8 to 14.8)	10.3 (8.9 to 11.7)	-21.0% (-31.4 to -9.9)
Ö	Pedestrian road injuries	17,326.6 (14,258.7 to 21,049.1)	15,183.5 (12,423.4 to 17,538.1)	-12.4% (-31.3 to 10.7)	4.9 (4.0 to 5.9)	3.0 (2.4 to 3.4)	-39.2% (-52.4 to -23.2)
O)	Cyclist road injuries	2,019.3 (1,582.5 to 2,866.2)	2,348.3 (1,898.7 to 2,793.3)	16.3% (-25.7 to 51.3)	0.6 (0.4 to 0.8)	0.5 (0.4 to 0.5)	-19.4% (-48.5 to 4.9)
둳	Motorcyclist road injuries	11,366.1 (9,236.4 to 13,871.6)	15,821.4 (12,568.5 to 18,358.2)	39.2% (8.9 to 71.5)	3.2 (2.6 to 3.9)	3.1 (2.5 to 3.6)	-3.5% (-24.5 to 18.9)
Ē	Motor vehicle road	11,300.1 (3,230.4 to 13,071.0)	13,021.4 (12,300.3 to 10,330.2)	39.2% (6.9 to 71.5)	3.2 (2.0 to 3.9)	3.1 (2.3 to 3.0)	-5.5 % (-24.5 to 16.9)
Low-middle SDI	injuries	14,969.1 (12,326.5 to 18,747.1)	18,643.0 (15,886.6 to 22,075.4)	24.5% (4.1 to 52.5)	4.2 (3.5 to 5.3)	3.7 (3.1 to 4.3)	-13.7% (-27.8 to 5.7)
2	Other road injuries	577.8 (469.1 to 730.6)	682.8 (533.8 to 835.8)	18.2% (-15.8 to 62.4)	0.2 (0.1 to 0.2)	0.1 (0.1 to 0.2)	-18.1% (-41.6 to 12.6)
	Road injuries	96,914.6 (90,591.0 to 110,860.3)	66,839.8 (60,183.4 to 73,725.4)	-31.0% (-39.8 to -23.2)	17.8 (16.6 to 20.4)	12.2 (11.0 to 13.4)	-31.7% (-40.4 to -23.9)
_	Pedestrian road injuries	38,921.3 (32,222.2 to 46,752.9)	18,596.9 (15,342.0 to 21,403.2)	-52.2% (-63.4 to -37.2)	7.1 (5.9 to 8.6)	3.4 (2.8 to 3.9)	-52.7% (-63.7 to -37.7)
SDI	Cyclist road injuries	3,319.8 (2,576.1 to 4,398.0)	2,668.7 (2,191.3 to 3,076.2)	-19.6% (-48.9 to 11.0)	0.6 (0.5 to 0.8)	0.5 (0.4 to 0.6)	-20.4% (-49.4 to 10.0)
Φ,	Motorcyclist road injuries	23,084.1 (18,633.8 to 29,554.6)	21,295.0 (18,203.7 to 24,107.8)	-7.8% (-28.5 to 17.8)	4.2 (3.4 to 5.4)	3.9 (3.3 to 4.4)	-8.6% (-29.2 to 16.7)
Middle	Motor vehicle road	20,004.1 (10,000.0 to 20,004.0)	21,200.0 (10,200.7 to 24,107.0)	7.070 (20.0 to 17.0)	4.2 (0.4 to 0.4)	0.0 (0.0 to 4.4)	0.070 (20.2 to 10.7)
Σ	injuries	30,682.2 (26,720.7 to 38,156.6)	23,525.0 (20,673.9 to 28,012.2)	-23.3% (-36.6 to -10.4)	5.6 (4.9 to 7.0)	4.3 (3.8 to 5.1)	-24.0% (-37.2 to -11.3)
	Other road injuries	907.1 (759.7 to 1,106.0)	754.2 (646.8 to 869.5)	-16.9% (-36.8 to 5.3)	0.2 (0.1 to 0.2)	0.1 (0.1 to 0.2)	-17.6% (-37.4 to 4.4)
	Road injuries	49,822.6 (47,177.7 to 55,558.1)	24,938.8 (22,921.4 to 26,754.4)	-49.9% (-56.0 to -45.3)	16.5 (15.6 to 18.4)	9.8 (9.0 to 10.5)	-40.3% (-47.5 to -34.8)
SDI	Pedestrian road injuries	19,034.3 (16,661.3 to 22,592.0)	6,085.7 (5,323.5 to 7,029.5)	-68.0% (-74.2 to -59.2)	6.3 (5.5 to 7.5)	2.4 (2.1 to 2.8)	-61.9% (-69.2 to -51.4)
<u>0</u>	Cyclist road injuries	1,824.9 (1,416.4 to 2,381.0)	1,119.9 (955.4 to 1,268.7)	-38.6% (-57.0 to -17.9)	0.6 (0.5 to 0.8)	0.4 (0.4 to 0.5)	-26.8% (-48.8 to -2.1)
В	Motorcyclist road injuries	9,446.0 (8,080.6 to 11,067.6)	6,469.0 (5,510.4 to 7,270.3)	-31.5% (-46.7 to -15.1)	3.1 (2.7 to 3.7)	2.5 (2.2 to 2.9)	-18.3% (-36.5 to 1.2)
High-middle	Motor vehicle road	c, (e, e c , e c)	0, 100.0 (0,0.01.10.1,2.0.0)	0.1070 (1011 10 1011)	o (2 to o)	2.0 (2.2 to 2.0)	10.070 (00.0 to 1.12)
gh	injuries	18,934.4 (17,679.7 to 20,751.1)	11,025.2 (10,155.3 to 11,897.5)	-41.8% (-48.4 to -36.1)	6.3 (5.8 to 6.9)	4.3 (4.0 to 4.7)	-30.6% (-38.4 to -23.8)
Ξ	Other road injuries	582.9 (455.3 to 745.9)	239.0 (201.7 to 291.9)	-59.0% (-69.2 to -42.6)	0.2 (0.2 to 0.2)	0.1 (0.1 to 0.1)	-51.1% (-63.3 to -31.5)
	Road injuries	39,396.6 (38,777.5 to 40,378.4)	15,655.6 (14,698.6 to 16,585.9)	-60.3% (-62.5 to -58.2)	21.5 (21.1 to 22.0)	8.9 (8.4 to 9.4)	-58.5% (-60.9 to -56.3)
	Pedestrian road injuries	5,614.4 (5,303.5 to 6,013.1)	2,040.9 (1,849.7 to 2,262.1)	-63.6% (-68.3 to -58.8)	3.1 (2.9 to 3.3)	1.2 (1.1 to 1.3)	-62.0% (-66.8 to -57.0)
SDI	Cyclist road injuries	1,394.7 (1,325.5 to 1,469.9)	464.6 (435.4 to 494.9)	-66.7% (-69.6 to -64.0)	0.8 (0.7 to 0.8)	0.3 (0.2 to 0.3)	-65.2% (-68.3 to -62.4)
	Motorcyclist road injuries	6,579.7 (6,271.1 to 7,095.3)	2,350.2 (2,163.3 to 2,593.1)	-64.3% (-67.7 to -61.1)	3.6 (3.4 to 3.9)	1.3 (1.2 to 1.5)	-62.7% (-66.2 to -59.4)
High	Motor vehicle road	-, (-,,)	,	272 (2111 12 3111)	(- (/	. ,. (
_	injuries	25,684.9 (25,135.1 to 26,323.4)	10,697.3 (10,002.2 to 11,365.9)	-58.4% (-61.0 to -55.8)	14.0 (13.7 to 14.4)	6.1 (5.7 to 6.5)	-56.5% (-59.3 to -53.9)
	Other road injuries	123.0 (111.1 to 138.7)	102.5 (91.4 to 116.7)	-16.6% (-30.6 to -2.0)	0.1 (0.1 to 0.1)	0.1 (0.1 to 0.1)	-12.9% (-27.6 to 2.4)

Table S6: Tier 4 breakdown of road injuries category, DALYs absolute numbers and rates per 100,000 population 1990 and 2019, and percentage change between 1990 and 2019 by SDI

		DALYs (in thousands) in 1990	DALYs (in thousands) in 2019	DALYs % change	DALYs/100,000 in 1990	DALYs/100,000 in 2019	DALYs per 100,000 % change
	Road injuries	18,899.8 (17,915.5 to 20,746.8)	15,110.2 (13,667.7 to 16,591.9)	-20.1% (-28.3 to -12.9)	1,220.2 (1,156.6 to 1,339.4)	811.6 (734.1 to 891.1)	-33.5% (-40.3 to -27.5)
	Pedestrian road injuries	6,600.0 (5,607.7 to 7,706.5)	4,156.9 (3,573.0 to 4,686.8)	-37.0% (-47.5 to -23.7)	426.1 (362.0 to 497.5)	223.3 (191.9 to 251.7)	-47.6% (-56.3 to -36.5)
a	Cyclist road injuries	994.5 (824.8 to 1,195.2)	940.7 (786.1 to 1,105.9)	-5.4% (-25.3 to 9.4)	64.2 (53.2 to 77.2)	50.5 (42.2 to 59.4)	-21.3% (-37.8 to -9.0)
Global	Motorcyclist road injuries Motor vehicle road	3,899.7 (3,373.1 to 4,682.9)	3,817.4 (3,320.6 to 4,237.0)	-2.1% (-18.0 to 15.8)	251.8 (217.8 to 302.3)	205.0 (178.3 to 227.6)	-18.6% (-31.8 to -3.7)
	injuries	7,217.0 (6,508.4 to 8,085.5)	6,022.9 (5,395.6 to 6,817.4)	-16.5% (-25.9 to -6.3)	465.9 (420.2 to 522.0)	323.5 (289.8 to 366.2)	-30.6% (-38.4 to -22.1)
	Other road injuries	188.5 (161.4 to 222.4)	172.3 (147.4 to 196.2)	-8.6% (-26.8 to 13.1)	12.2 (10.4 to 14.4)	9.3 (7.9 to 10.5)	-24.0% (-39.1 to -5.9)
	Road injuries	1,685.6 (1,417.3 to 1,926.9)	3,060.8 (2,551.3 to 3,584.1)	81.6% (55.3 to 111.4)	1,028.7 (865.0 to 1,176.0)	823.9 (686.8 to 964.8)	-19.9% (-31.5 to -6.7)
	Pedestrian road injuries	646.3 (481.0 to 831.6)	1,026.6 (798.2 to 1,255.6)	58.8% (27.2 to 104.6)	394.5 (293.6 to 507.6)	276.3 (214.9 to 338.0)	-29.9% (-43.9 to -9.7)
SDI	Cyclist road injuries	103.3 (83.6 to 132.1)	182.8 (146.7 to 224.4)	77.0% (36.3 to 104.7)	63.0 (51.0 to 80.6)	49.2 (39.5 to 60.4)	-21.9% (-39.9 to -9.7)
Low 9	Motorcyclist road injuries Motor vehicle road	199.8 (160.5 to 280.2)	417.5 (327.7 to 544.4)	109.0% (60.6 to 165.1)	121.9 (98.0 to 171.0)	112.4 (88.2 to 146.5)	-7.8% (-29.2 to 16.9)
_	injuries	722.4 (542.2 to 890.5)	1,407.4 (1,121.2 to 1,708.6)	94.8% (61.7 to 149.0)	440.9 (330.9 to 543.5)	378.8 (301.8 to 459.9)	-14.1% (-28.7 to 9.8)
	Other road injuries	13.8 (10.7 to 18.9)	26.5 (20.2 to 34.8)	92.3% (44.9 to 156.4)	8.4 (6.5 to 11.5)	7.1 (5.4 to 9.4)	-15.2% (-36.1 to 13.1)
_	Road injuries	3,540.2 (3,196.4 to 3,977.3)	4,070.9 (3,559.8 to 4,547.7)	15.0% (1.4 to 29.6)	1,000.4 (903.2 to 1,123.9)	797.6 (697.4 to 891.0)	-20.3% (-29.7 to -10.1)
SDI	Pedestrian road injuries	1,301.8 (1,078.9 to 1,559.5)	1,156.9 (968.2 to 1,331.0)	-11.1% (-28.9 to 10.7)	367.9 (304.9 to 440.7)	226.6 (189.7 to 260.8)	-38.4% (-50.7 to -23.3)
<u>0</u>	Cyclist road injuries	261.1 (210.8 to 326.9)	319.8 (258.8 to 385.7)	22.4% (-5.4 to 41.1)	73.8 (59.6 to 92.4)	62.6 (50.7 to 75.6)	-15.1% (-34.4 to -2.2)
В	Motorcyclist road injuries	847.3 (697.2 to 1,025.4)	1,183.9 (965.5 to 1,364.4)	39.7% (11.4 to 69.6)	239.4 (197.0 to 289.7)	231.9 (189.1 to 267.3)	-3.1% (-22.8 to 17.6)
Ē	Motor vehicle road	, ,	, , ,	,	,	,	,
Low-middle	injuries	1,084.8 (896.3 to 1,335.0)	1,355.7 (1,167.0 to 1,587.9)	25.0% (4.9 to 51.8)	306.5 (253.3 to 377.2)	265.6 (228.6 to 311.1)	-13.3% (-27.3 to 5.3)
ٽ	Other road injuries	45.2 (37.3 to 55.9)	54.6 (43.7 to 66.1)	20.8% (-11.7 to 60.8)	12.8 (10.5 to 15.8)	10.7 (8.6 to 12.9)	-16.3% (-38.8 to 11.5)
	Road injuries	7,115.7 (6,672.4 to 8,057.5)	4,949.0 (4,478.0 to 5,433.5)	-30.5% (-38.9 to -23.2)	1,307.0 (1,225.6 to 1,480.0)	900.6 (814.9 to 988.7)	-31.1% (-39.5 to -23.9)
=	Pedestrian road injuries	2,838.0 (2,349.3 to 3,393.2)	1,365.8 (1,133.7 to 1,563.6)	-51.9% (-62.5 to -37.6)	521.3 (431.5 to 623.3)	248.5 (206.3 to 284.5)	-52.3% (-62.8 to -38.1)
SD	Cyclist road injuries	313.8 (250.1 to 391.7)	270.0 (226.6 to 314.9)	-14.0% (-38.3 to 8.8)	57.6 (45.9 to 72.0)	49.1 (41.2 to 57.3)	-14.8% (-38.9 to 7.7)
Middle SDI	Motorcyclist road injuries Motor vehicle road	1,686.4 (1,380.0 to 2,128.6)	1,563.2 (1,347.1 to 1,748.9)	-7.3% (-27.1 to 16.6)	309.8 (253.5 to 391.0)	284.5 (245.1 to 318.2)	-8.2% (-27.8 to 15.5)
Σ	injuries	2,204.9 (1,920.5 to 2,713.9)	1,688.5 (1,485.4 to 2,003.7)	-23.4% (-36.3 to -10.8)	405.0 (352.8 to 498.5)	307.3 (270.3 to 364.6)	-24.1% (-36.9 to -11.6)
	Other road injuries	72.6 (61.7 to 86.0)	61.5 (52.8 to 71.0)	-15.3% (-33.5 to 3.9)	13.3 (11.3 to 15.8)	11.2 (9.6 to 12.9)	-16.1% (-34.2 to 2.9)
=	Road injuries	3,694.0 (3,485.0 to 4,093.9)	1,872.6 (1,724.3 to 1,999.7)	-49.3% (-55.1 to -44.9)	1,220.7 (1,151.7 to 1,352.9)	738.0 (679.5 to 788.1)	-39.5% (-46.4 to -34.3)
SD	Pedestrian road injuries	1,397.0 (1,232.1 to 1,648.8)	453.5 (401.7 to 519.3)	-67.5% (-73.5 to -59.2)	461.7 (407.2 to 544.9)	178.7 (158.3 to 204.6)	-61.3% (-68.4 to -51.3)
<u>e</u>	Cyclist road injuries	187.9 (150.1 to 229.8)	119.2 (100.9 to 139.5)	-36.6% (-50.7 to -22.6)	62.1 (49.6 to 76.0)	47.0 (39.8 to 55.0)	-24.3% (-41.2 to -7.8)
90	Motorcyclist road injuries	689.8 (592.3 to 802.9)	478.2 (412.3 to 533.2)	-30.7% (-45.0 to -15.3)	228.0 (195.7 to 265.3)	188.5 (162.5 to 210.1)	-17.3% (-34.5 to 1.0)
Ė	Motor vehicle road		,	,	,	,	,
High-middle SDI	injuries	1,373.4 (1,282.6 to 1,498.4)	801.2 (739.5 to 867.0)	-41.7% (-48.0 to -36.2)	453.9 (423.8 to 495.2)	315.7 (291.4 to 341.7)	-30.4% (-38.0 to -24.0)
Ξ	Other road injuries	45.9 (37.1 to 57.2)	20.5 (17.5 to 24.5)	-55.3% (-65.6 to -39.7)	15.2 (12.3 to 18.9)	8.1 (6.9 to 9.7)	-46.7% (-59.0 to -28.1)
	Road injuries	2,851.9 (2,789.3 to 2,928.4)	1,146.1 (1,075.3 to 1,209.2)	-59.8% (-62.0 to -57.8)	1,555.3 (1,521.2 to 1,597.1)	652.9 (612.6 to 688.9)	-58.0% (-60.3 to -55.9)
	Pedestrian road injuries	413.8 (391.1 to 442.5)	151.9 (138.3 to 167.4)	-63.3% (-67.5 to -58.8)	225.7 (213.3 to 241.3)	86.5 (78.8 to 95.4)	-61.7% (-66.0 to -57.0)
$\overline{\Box}$	Cyclist road injuries	127.5 (117.2 to 139.8)	48.5 (42.8 to 54.9)	-62.0% (-64.9 to -59.3)	69.5 (63.9 to 76.2)	27.6 (24.4 to 31.3)	-60.3% (-63.3 to -57.5)
S	Motorcyclist road injuries	473.9 (453.3 to 508.9)	172.0 (158.6 to 188.6)	-63.7% (-67.0 to -60.7)	258.5 (247.2 to 277.5)	98.0 (90.4 to 107.4)	-62.1% (-65.5 to -58.9)
High SDI	Motor vehicle road	(75 (5.15 15 30.1)		(00)	== (55.5 15 60.0)
	injuries	1,825.8 (1,784.1 to 1,872.5)	764.8 (712.7 to 810.2)	-58.1% (-60.7 to -55.7)	995.8 (973.0 to 1,021.2)	435.7 (406.0 to 461.6)	-56.2% (-59.0 to -53.8)
	Other road injuries	10.9 (9.7 to 12.2)	9.0 (7.9 to 10.1)	-17.5% (-28.6 to -6.2)	5.9 (5.3 to 6.7)	5.1 (4.5 to 5.8)	-13.8% (-25.4 to -2.0)

Table S7: Injury-related deaths and DALYs absolute numbers and rates per 100,000 population for males aged 10-24 years by mechanism of injury, transport injuries and unintentional injuries 2019 and percentage change 1990-2019

			Males			
	Deaths (thousands)	Deaths per 100,000	% change 1990-2019 Deaths per 100 000 (95% uncertainty interval [UI])	DALYs (thousands)	DALYs per 100,000	% change 1990-2019 DALYs per 100,000 (95% uncertainty interval [UI])
Transport injuries	171.1 (151.7 - 189.2)	17.9 (15.9 - 19.8)	-32.8 (-41.7 to -25.3)	12,725.3 (11,263.5 - 14,020.7)	1,334.6 (1,181.3 - 1,470.5)	-31.9 (-40.3 to -24.6)
Road injuries	159.5 (141.4 - 176.6)	16.7 (14.8 - 18.5)	-33.0 (-41.9 to -25.5)	11,838.5 (10,549.5 - 13,075.4)	1,241.6 (1,106.4 - 1,371.3)	-32.1 (-40.7 to -24.9)
Other transport injuries	11.6 (9.3 - 13.4)	1.2 (1.0 - 1.4)	-29.7 (-40.0 to -17.2)	886.8 (726.1 - 1,011.5)	93.0 (76.2 - 106.1)	-28.9 (-38.4 to -17.0)
Unintentional injuries Adverse effects of medical	110.7 (98.2 - 121.7)	11.6 (10.3 - 12.8)	-48.9 (-53.5 to -43.3)	9,982.8 (8,873.5 - 11,176.7)	1,047.0 (930.6 - 1,172.2)	-45.0 (-49.3 to -40.5)
treatment	2.6 (1.9 - 3.4)	0.3 (0.2 - 0.4)	-34.9 (-45.5 to -16.7)	190.9 (142.9 - 248.8)	20.0 (15.0 - 26.1)	-34.0 (-44.1 to -16.4)
Animal contact	7.5 (5.3 - 9.7)	0.8 (0.6 - 1.0)	-37.3 (-50.7 to -6.0)	615.8 (455.7 - 766.8)	64.6 (47.8 - 80.4)	-36.4 (-48.6 to -8.9)
Drowning Environmental heat and cold	35.9 (31.8 - 40.4)	3.8 (3.3 - 4.2)	-57.8 (-63.1 to -50.9)	2,570.7 (2,282.3 - 2,895.6)	269.6 (239.4 - 303.7)	-58.2 (-63.4 to -51.3)
exposure	1.6 (1.0 - 2.1)	0.2 (0.1 - 0.2)	-59.4 (-65.4 to -53.0)	203.3 (153.7 - 258.5)	21.3 (16.1 - 27.1)	-47.9 (-53.3 to -41.8)
Exposure to forces of nature	1.0 (0.9 - 1.1)	0.1 (0.1 - 0.1)	-89.9 (-89.9 to -89.9)	144.5 (117.0 - 181.2)	15.2 (12.3 - 19.0)	-81.5 (-84.2 to -77.4)
Exposure to mechanical forces	13.5 (10.7 - 16.1)	1.4 (1.1 - 1.7)	-43.6 (-54.4 to -31.3)	1,354.3 (1,106.2 - 1,625.9)	142.0 (116.0 - 170.5)	-39.1 (-48.1 to -29.9)
Falls	18.1 (15.3 - 20.9)	1.9 (1.6 - 2.2)	-32.0 (-42.9 to -18.4)	2,139.0 (1,767.9 - 2,558.6)	224.3 (185.4 - 268.3)	-27.7 (-35.7 to -19.1)
Fire, heat, and hot substances	5.1 (3.5 - 6.3)	0.5 (0.4 - 0.7)	-43.0 (-50.2 to -30.0)	520.8 (402.2 - 637.8)	54.6 (42.2 - 66.9)	-40.6 (-46.0 to -31.2)
Foreign body	4.6 (4.1 - 5.2)	0.5 (0.4 - 0.5)	-22.3 (-31.0 to -13.8)	498.3 (418.9 - 602.8)	52.3 (43.9 - 63.2)	-19.9 (-25.8 to -14.2)
Other unintentional injuries	15.2 (10.8 - 17.4)	1.6 (1.1 - 1.8)	-42.1 (-56.5 to -30.6)	1,316.4 (996.4 - 1,517.8)	138.1 (104.5 - 159.2)	-39.2 (-52.3 to -29.6)
Poisonings	5.5 (4.2 - 6.4)	0.6 (0.4 - 0.7)	-43.1 (-54.2 to -33.6)	428.7 (342.5 - 488.4)	45.0 (35.9 - 51.2)	-42.1 (-52.4 to -33.3)

Table S8: Injury-related deaths and DALYs absolute numbers and rates per 100,000 population for females aged 10-24 years by mechanism of injury, transport injuries and unintentional injuries 2019 and percentage change 1990-2019

			Females			
	Deaths (thousands)	Deaths per 100,000	% change 1990-2019 Deaths per 100 000 (95% uncertainty interval [UI])	DALYs (thousands)	DALYs per 100,000	% change 1990-2019 DALYs per 100,000 (95% uncertainty interval [UI])
Transport injuries	43.2 (39.1 - 47.3)	4.8 (4.3 - 5.2)	-41.2 (-47.0 to -35.4)	3,508.4 (3,178.3 - 3,844.8)	386.2 (349.9 - 423.3)	-39.1 (-44.5 to -34.0)
Road injuries	40.6 (36.6 - 44.5)	4.5 (4.0 - 4.9)	-41.3 (-47.1 to -35.5)	3,271.7 (2,960.0 - 3,582.8)	360.2 (325.9 - 394.4)	-39.2 (-44.8 to -34.0)
Other transport injuries	2.6 (2.3 - 3.0)	0.3 (0.3 - 0.3)	-39.5 (-47.6 to -27.5)	236.6 (206.5 - 268.7)	26.1 (22.7 - 29.6)	-37.1 (-44.3 to -27.3)
Unintentional injuries Adverse effects of medical	44.1 (36.4 - 53.1)	4.8 (4.0 - 5.8)	-45.1 (-53.8 to -32.0)	4,905.2 (4,071.7 - 5,812.7)	540.0 (448.2 - 639.9)	-37.4 (-44.4 to -27.5)
treatment	2.8 (2.1 - 3.4)	0.3 (0.2 - 0.4)	-37.6 (-48.7 to -22.9)	202.5 (152.4 - 247.0)	22.3 (16.8 - 27.2)	-36.9 (-47.8 to -22.5)
Animal contact	6.0 (3.2 - 8.5)	0.7 (0.4 - 0.9)	-18.8 (-43.0 to 55.7)	497.0 (296.6 - 682.8)	54.7 (32.7 - 75.2)	-19.0 (-40.7 to 41.4)
Drowning Environmental heat and cold	9.5 (8.4 - 10.7)	1.0 (0.9 - 1.2)	-62.3 (-67.1 to -56.6)	700.4 (618.4 - 785.0)	77.1 (68.1 - 86.4)	-62.2 (-66.9 to -56.6)
exposure	0.5 (0.2 - 0.7)	0.1 (0.0 - 0.1)	-40.9 (-57.5 to -26.0)	108.2 (77.5 - 142.6)	11.9 (8.5 - 15.7)	-25.8 (-33.1 to -19.6)
Exposure to forces of nature	0.5 (0.5 - 0.6)	0.1 (0.1 - 0.1)	-89.8 (-89.8 to -89.8)	89.2 (70.1 - 118.3)	9.8 (7.7 - 13.0)	-78.1 (-81.9 to -72.3)
Exposure to mechanical forces	3.2 (2.3 - 3.8)	0.4 (0.3 - 0.4)	-27.5 (-45.1 to -9.7)	457.2 (359.2 - 587.5)	50.3 (39.5 - 64.7)	-22.2 (-31.7 to -13.0)
Falls	5.7 (4.4 - 6.7)	0.6 (0.5 - 0.7)	-24.8 (-45.6 to -4.1)	1,164.8 (879.6 - 1,502.8)	128.2 (96.8 - 165.4)	-16.0 (-26.6 to -8.0)
Fire, heat, and hot substances	7.4 (4.5 - 11.3)	0.8 (0.5 - 1.2)	-31.5 (-55.6 to 40.3)	705.6 (490.7 - 986.2)	77.7 (54.0 - 108.6)	-31.7 (-51.3 to 10.9)
Foreign body	2.1 (1.9 - 2.4)	0.2 (0.2 - 0.3)	-12.2 (-23.9 to -0.1)	266.9 (222.9 - 320.7)	29.4 (24.5 - 35.3)	-10.8 (-18.1 to -4.0)
Other unintentional injuries	3.1 (2.6 - 3.7)	0.3 (0.3 - 0.4)	-52.6 (-63.1 to -36.0)	445.4 (348.5 - 571.5)	49.0 (38.4 - 62.9)	-40.7 (-50.2 to -29.7)
Poisonings	3.2 (2.8 - 3.6)	0.4 (0.3 - 0.4)	-40.3 (-49.8 to -30.8)	268.1 (234.7 - 302.8)	29.5 (25.8 - 33.3)	-38.9 (-46.9 to -30.5)

Table S9: Adolescent transport and unintentional injury-related mortality in absolute numbers and rates per 100,000 population overall and by age group, by socio-demographic index (SDI), and percentage change from 1990 to 2019.

						port injury			
		10-14 y	rears ears	15-19 y	years	20-24 y	ears	10-24 y	
		Number (thousands)		Number (thousands)		Number (thousands)		Number (thousands)	Rate (95% UI)
		(95% UI)	Rate (95% UI)	(95% UI)	Rate (95% UI)	(95% UI)	Rate (95% UI)	(95% UI)	
	1990	41.6 (38.1-45.7)	7.8 (7.1-8.5)	102.9 (96.4-113.9)	19.8 (18.6-21.9)	127.3 (120.5-141.3)	25.8 (24.5-28.7)	271.8 (256.8 - 297.9)	17.5 (16.6 – 19.2
Global	2010	35.1 (30.9 - 38.4)	5.8 (5.1 - 6.3)	92.8 (83.2 - 99.0)	15.1 (13.5 - 16.1)	140.4 (124.8 - 147.8)	22.7 (20.2 - 23.9)	268.3 (239.5 - 283.9)	14.6 (13.0 - 15.4
	2019	27.6 (24.0-31.5)	4.3 (3.7-4.9)	75.4 (66.7-83.6)	12.2 (10.8-13.5)	111.4 (100.3-122.0)	18.6 (16.7-20.3)	214.3 (192.8 - 235.3)	11.5 (10.4 - 12.6
	% change	-33.6 (-41.425.2)	-44.5 (-51.037.5)	-26.8 (-35.018.9)	-38.6 (-45.532.0)	-12.5 (-22.23.6)	-28.2 (-36.120.9)	-21.1 (-29.513.3)	-34.4 (-41.427.9
Low	1990	5.2 (4.1-6.2)	7.9 (6.3-9.5)	9.0 (7.4-10.6)	17.0 (13.9-19.8)	9.4 (7.9-10.9)	21.1 (17.6-24.4)	23.7 (19.7 - 27.4)	14.5 (12.0 - 16.7
SDI	2010	7.8 (6.4 - 9.3)	6.8 (5.6 - 8.2)	14.5 (11.8 - 16.9)	15.3 (12.4 - 17.8)	17.1 (13.9 - 19.5)	21.6 (17.5 - 24.6)	39.4 (32.5 - 45.4)	13.7 (11.3 - 15.7
וטפ	2019	8.0 (6.4-9.9)	5.5 (4.5-6.9)	15.7 (12.6-18.9)	12.7 (10.2-15.3)	19.1 (15.6-22.5)	18.4 (15.0-21.8)	42.8 (35.4 - 50.6)	11.5 (9.5 - 13.6
	% change	52.4 (23.7-91.4)	-30.4 (-43.512.5)	73.9 (44.8-110.0)	-25.2 (-37.79.7)	102.3 (70.2-140.3)	-12.5 (-26.4-3.9)	80.5 (53.4 - 113.3)	-20.4 (-32.35.9
1	1990	8.6 (7.4-10.0)	6.5 (5.6-7.6)	19.0 (16.9-21.7)	16.2 (14.4-18.5)	23.3 (21.1-26.5)	22.5 (20.3-25.5)	51.0 (46.0 - 57.3)	14.4 (13.0 - 16.2
Low-	2010	10.0 (8.3 - 11.4)	5.8 (4.8 - 6.6)	22.1 (19.1 - 24.3)	13.8 (11.9 - 15.2)	32.5 (27.5 - 35.2)	22.5 (19.0 - 24.4)	64.6 (55.4 - 70.0)	13.6 (11.6 - 14.7
middle	2019	7.7 (6.4-9.2)	4.4 (3.6-5.2)	19.6 (16.8-22.4)	11.4 (9.8-13.0)	30.0 (25.8-34.1)	18.6 (15.9-21.0)	57.3 (49.9 - 64.8)	11.2 (9.8 - 12.7
SDI	% change	-10.5 (-23.9-4.5)	-32.8 (-42.821.5)	2.8 (-11.0-18.2)	-29.9 (-39.319.4)	28.7 (10.6-49.3)	-17.4 (-29.04.1)	12.4 (-2.1 - 28.6)	-22.1 (-32.110.8
N 4" -1 -11 -	1990	17.6 (16.2-19.4)	9.6 (8.8-10.6)	38.2 (35.2-43.9)	20.6 (18.9-23.7)	47.1 (43.7-54.9)	26.7 (24.8-31.1)	102.9 (96.1 - 117.5)	18.9 (17.7 - 21.6
Middle	2010	12.3 (Ì1.2 - 13.2)	6.7 (6.1 - 7.2)	35.0 (31.7 - 37.2)	17.5 (15.9 - 18.6)	52.6 (47.8 - 56.0)	25.3 (23.0 - 27.0)	99.9 (90.6 - 105.7)	16.9 (15.3 - 17.9
SDI	2019	8.4 (7.4-9.4)	4.5 (4.0-5.1)	24.9 (22.3-27.6)	13.6 (12.2-15.1)	37.4 (33.7-41.1)	20.5 (18.5-22.5)	70.7 (64.0 - 77.8)	12.9 (11.6 - 14.2
	% change	-52.5 (-57.946.3)	-52.9 (-58.246.8)	-34.7 (-43.226.8)	-33.8 (-42.425.8)	-20.6 (-32.111.0)	-23.3 (-34.414.0)	-31.3 (-40.123.6)	-31.9 (-40.624.3
High-	1990	6.6 (6.2-7.2)	6.7 (6.3-7.3)	19.5 (18.3-21.8)	19.2 (18.0-21.5)	26.9 (25.3-30.1)	26.2 (24.6-29.3)	53.0 (50.2 - 58.9)	17.5 (16.6 - 19.5
middle	2010	3.5 (3.2 - 3.7)	4.3 (3.9 - 4.5)	13.3 (12.1 - 13.8)	13.5 (12.3 - 14.1)	26.4 (24.1 - 27.6)	21.7 (19.9 - 22.7)	43.2 (39.5 - 44.9)	14.3 (13.1 - 14.9
SDI	2019	2.4 (2.2-2.6)	3.0 (2.7-3.2)	8.9 (8.2-9.6)	10.8 (9.9-11.6)	15.4 (14.1-16.6)	17.1 (15.6-18.4)	26.8 (24.6 - 28.7)	10.6 (9.7 - 11.3
	% change	-63.3 (-67.259.4)	-55.4 (-60.150.6)	-54.2 (-60.049.3)	-43.7 (-50.937.6)	-42.7 (-50.036.9)	-34.7 (-43.128.2)	-49.5 (-55.644.7)	-39.7 (-47.034.1
	1990	3.6 (3.5-3.7)	6.2 (6.0-6.5)	17.1 (16.8-17.6)	27.8 (27.3-28.7)	20.3 (20.0-20.8)	31.4 (30.9-32.1)	41.0 (40.4 - 42.0)	22.4 (22.0 - 22.9
High	2010	1.4 (1.4 - 1.5)	2.5 (2.4 - 2.6)	7.8 (7.6 - 8.0)	12.7 (12.4 - 13.1)	11.8 (Ì1.4 - 12.3)	18.1 (17.5 - 18.8)	21.0 (20.5 - 21.7)	11.5 (11.2 - 11.8
SĎI	2019	1.1 (1.1-1.2)	2.0 (1.9-2.1)	6.2 (5.8-6.4)	10.7 (10.0-11.2)	9.3 (8.7-10.0)	15.1 (14.1-16.2)	16.6 (15.6 - 17.6)	9.5 (8.9 - 10.0
	% change	-68.0 (-69.766.2)	-67.5 (-69.265.7)	-64.0 (-66.062.4)	-61.5 (-63.759.9)	-54.2 (-57.251.0)	-52.0 (- 5 5.148.7)	-59.5 (-61.757.4)	-57.7 (-60.055.5
		,	,	,	Uninten	tional injury	,	,	,
		10-14 y	vears	15-19 \	years	20-24 y	ears	10-24 \	/ears
		Number (thousands)	Rate	Number (thousands)	Rate	Number (thousands)	Rate	Number (thousands)	Rate
	1990	76.6 (68.9-83.7)	14.3 (12.8-15.6)	82.0 (74.6-88.4)	15.8 (14.4-17.0)	87.6 (80.4-94.0)	17.8 (16.3-19.1)	246.2 (225.4 - 263.7)	15.9 (14.6 - 17.0
Global	2010	80.8 (73.3 - 87.2)	13.3 (12.0 - 14.3)	85.6 (78.1 - 91.2)	13.9 (12.7 - 14.8)	102.8 (94.1 - 108.7)	16.6 (15.2 - 17.6)	269.2 (247.0 - 286.3)	14.6 (13.4 - 15.5
	2019	42.1 (36.2-48.1)	6.6 (5.6-7.5)	49.0 (43.0-54.8)	7.9 (6.9-8.9)	63.6 (56.3-70.4)	10.6 (9.4-11.7)	154.7 (136.6 - 172.7)	8.3 (7.3 - 9.3
	% change	-45.1 (-50.737.6)	-54.1 (-58.847.8)	-40.2 (-45.633.3)	-49.9 (-54.444.1)	-27.4 (-33.719.9)	-40.4 (-45.634.3)	-37.2 (-42.730.2)	-47.7 (-52.341.9
	1990	8.2 (6.6-9.7)	12.4 (10.0-14.8)	7.3 (5.9-8.5)	13.6 (11.2-16.0)	7.5 (6.2-8.7)	16.8 (13.8-19.4)	22.9 (19.0 - 26.6)	14.0 (11.6 - 16.2
Low	2010	33.7 (30.8 - 36.7)	29.6 (27.0 - 32.2)	32.5 (30.0 - 35.4)	34.2 (31.5 - 37.2)	33.0 (30.4 - 35.9)	41.7 (38.4 - 45.3)	99.3 (91.4 - 107.7)	34.4 (31.7 - 37.4

		Number (thousands)	Rate	Number (thousands)	Rate	Number (thousands)	Rate	Number (thousands)	Rate
	1990	76.6 (68.9-83.7)	14.3 (12.8-15.6)	82.0 (74.6-88.4)	15.8 (14.4-17.0)	87.6 (80.4-94.0)	17.8 (16.3-19.1)	246.2 (225.4 - 263.7)	15.9 (14.6 - 17.0)
Global	2010	80.8 (73.3 - 87.2)	13.3 (12.0 - 14.3)	85.6 (78.1 - 91.2)	13.9 (12.7 - 14.8)	102.8 (94.1 - 108.7)	16.6 (15.2 - 17.6)	269.2 (247.0 - 286.3)	14.6 (13.4 - 15.5)
	2019	42.1 (36.2-48.1)	6.6 (5.6-7.5)	49.0 (43.0-54.8)	7.9 (6.9-8.9)	63.6 (56.3-70.4)	10.6 (9.4-11.7)	154.7 (136.6 - 172.7)	8.3 (7.3 - 9.3)
	% change	-45.1 (-50.737.6)	-54.1 (-58.847.8)	-40.2 (-45.633.3)	-49.9 (-54.444.1)	-27.4 (-33.719.9)	-40.4 (-45.634.3)	-37.2 (-42.730.2)	-47.7 (-52.341.9)
Low	1990	8.2 (6.6-9.7)	12.4 (10.0-14.8)	7.3 (5.9-8.5)	13.6 (11.2-16.0)	7.5 (6.2-8.7)	16.8 (13.8-19.4)	22.9 (19.0 - 26.6)	14.0 (11.6 - 16.2)
Low SDI	2010	33.7 (30.8 - 36.7)	29.6 (27.0 - 32.2)	32.5 (30.0 - 35.4)	34.2 (31.5 - 37.2)	33.0 (30.4 - 35.9)	41.7 (38.4 - 45.3)	99.3 (91.4 - 107.7)	34.4 (31.7 - 37.4)
301	2019	10.7 (8.7-13.1)	7.4 (6.0-9.1)	9.9 (8.3-11.9)	8.0 (6.7-9.6)	11.3 (9.6-13.3)	10.9 (9.2-12.9)	32.0 (27.0 - 38.0)	8.6 (7.3 - 10.2)
	% change	31.1 (8.0-66.0)	-40.1 (-50.624.2)	36.9 (17.3-62.8)	-41.1 (-49.630.0)	50.8 (29.7-77.8)	-34.8 (-43.923.2)	39.4 (20.0 - 65.3)	-38.5 (-47.127.1)
Low	1990	22.0 (18.4-25.7)	16.6 (13.9-19.3)	22.1 (19.1-24.8)	18.9 (16.3-21.2)	22.7 (19.9-25.3)	21.8 (19.2-24.3)	66.9 (57.6 - 75.0)	18.9 (16.3 - 21.2)
Low- middle	2010	21.7 (18.3 - 24.7)	12.6 (10.6 - 14.4)	20.8 (17.9 - 23.1)	13.0 (11.2 - 14.4)	24.0 (21.0 - 26.0)	16.6 (14.6 - 18.0)	66.5 (57.8 - 73.1)	14.0 (12.1 - 15.3)
SDI	2019	15.8 (13.0-18.6)	8.9 (7.4-10.5)	17.2 (14.7-19.7)	10.0 (8.6-11.4)	21.6 (18.7-24.4)	13.3 (11.6-15.1)	54.5 (46.8 - 62.0)	10.7 (9.2 - 12.1)
301	% change	-28.4 (-37.915.9)	-46.2 (-53.436.8)	-22.5 (-31.510.4)	-47.1 (-53.338.9)	-4.9 (-15.8-8.9)	-38.9 (-45.930.1)	-18.4 (-27.26.6)	-43.5 (-49.535.2)
Middle	1990	32.5 (29.8-34.8)	17.8 (16.3-19.1)	33.3 (29.9-36.1)	17.9 (16.1-19.5)	34.2 (31.2-37.0)	19.4 (17.7-21.0)	99.9 (91.3 - 107.1)	18.4 (16.8 - 19.7)
SDI	2010	17.9 (16.0 - 19.2)	9.7 (8.7 - 10.4)	21.0 (18.2 - 22.5)	10.5 (9.1 - 11.3)	26.8 (23.3 - 28.9)	12.9 (11.2 - 13.9)	65.7 (57.4 - 70.1)	11.1 (9.7 - 11.8)

	2019	11.2 (9.9-12.4)	6.1 (5.4-6.7)	14.8 (12.3-16.6)	8.1 (6.7-9.1)	19.4 (16.5-21.7)	10.7 (9.0-11.9)	45.5 (39.2 - 50.4)	8.3 (7.1 - 9.2)
	% change	-65.5 (-68.661.6)	-65.8 (-68.961.9)	-55.5 (-60.749.6)	-54.9 (-60.148.9)	-43.1 (-49.936.2)	-45.0 (-51.538.3)	-54.5 (-59.449.3)	-54.9 (-59.849.8)
High-	1990	11.2 (10.6-12.0)	11.4 (10.8-12.2)	14.5 (13.6-15.7)	14.3 (13.3-15.4)	16.8 (15.7-18.0)	16.3 (15.2-17.5)	42.5 (40.1 - 45.3)	14.0 (13.2 - 15.0)
middle	2010	5.5 (5.2 - 5.8)	6.7 (6.3 - 7.1)	8.4 (7.9 - 8.8)	8.6 (8.0 - 9.0)	14.4 (13.4 - 15.1)	11.9 (11.0 - 12.5)	28.3 (26.5 - 29.6)	9.4 (8.8 - 9.8)
SDI	2019	3.5 (3.3-3.8)	4.4 (4.1-4.7)	5.5 (5.0-5.9)	6.6 (6.1-7.2)	8.3 (7.5-9.0)	9.2 (8.3-10.0)	17.3 (15.9 - 18.5)	6.8 (6.3 - 7.3)
301	% change	-68.5 (-71.465.4)	-61.7 (-65.258.0)	-62.4 (-66.658.1)	-53.7 (-58.948.5)	-50.5 (-56.344.9)	-43.7 (-50.337.4)	-59.3 (-63.455.2)	-51.5 (-56.446.6)
	1990	2.7 (2.6-2.9)	4.8 (4.5-5.0)	4.8 (4.5-5.1)	7.9 (7.2-8.3)	6.3 (5.9-6.7)	9.8 (9.2-10.3)	13.9 (12.9 - 14.6)	7.6 (7.1 - 7.9)
	2010	1.1 (1.0 - 1.1)	1.9 (1.8 - 1.9)	2.1 (2.0 - 2.2)	3.4 (3.3 - 3.6)	3.7 (3.5 - 3.9)	5.6 (5.3 - 6.0)	6.9 (6.6 - 7.2)	3.7 (3.6 - 3.9)
High	2019	0.8 (0.8-0.9)	1.5 (1.4-1.6)	1.6 (1.5-1.7)	2.8 (2.7-3.0)	2.9 (2.7-3.2)	4.7 (4.3-5.1)	5.4 (5.0 - 5.7)	3.0 (2.9 - 3.3)
SDI	% change	-69.2 (-71.366.9)	-68.7 (-70.866.4)	-66.1 (-68.463.4)	-63.8 (-66.260.9)	-54.7 (-59.049.5)	-52.5 (-57.047.0)	-61.5 (-64.058.0)	-59.8 (-62.456.1)

Table S10: Injury-related mortality in absolute numbers and rates per 100,000 population for males and by age group, by sociodemographic index, transport injury and unintentional injury and trends over time 1990-2019

The color The						Transpo	rt injury			
1990			10-14		15-19	years	20-24		10-24 years	
Signature Colora			Number (thousands)	Rate	Number (thousands)	Rate			Number (thousands)	
Substitute	Olahari	1990	28.1 (25.5 - 31.3)	10.2 (9.3 - 11.4)	78.8 (73.4 - 89.6)	29.9 (27.8 - 33.9)		41.5 (39.0 - 47.0)	210.1 (197.3 - 236.6)	26.7 (25.1 - 30.1)
*** *** ******************************	Global	2010	24.3 (20.1 - 26.9)	7.7 (6.4 - 8.5)	72.7 (63.3 - 78.1)	23.1 (20.1 - 24.8)	,	37.1 (32.2 - 39.2)	212.7 (184.2 - 225.9)	22.6 (19.6 - 24.0)
Decomposition Property Prop		2019	18.7 (15.4 - 21.8)	5.6 (4.7 - 6.6)	59.3 (51.8 - 66.3)	18.7 (16.3 - 20.9)	93.1 (82.5 - 102.4)	30.6 (27.1 - 33.7)	171.1 (151.7 - 189.2)	17.9 (15.9 - 19.8)
Middle SDI S. (24, 0-6.2) 8.8 (6.9 + 10.6) 11.3 (8.8 + 13.3) 23.5 (18.3 - 27.6) 14.0 (10.8 + 16.0) 55.8 (27.7 + 40.9) 30.4 (24.0 + 34.8) 20.9 (16.5 + 23.8)		% change	-33.6 (-42.723.7)	-44.9 (-52.536.7)	-24.7 (-35.415.6)	-37.5 (-46.329.8)	-9.7 (-21.9 - 0.4)	-26.4 (-36.318.1)	-18.6 (-29.49.5)	-32.8 (-41.725.3)
Middle SDI S. (24, 0-6.2) 8.8 (6.9 + 10.6) 11.3 (8.8 + 13.3) 23.5 (18.3 - 27.6) 14.0 (10.8 + 16.0) 55.8 (27.7 + 40.9) 30.4 (24.0 + 34.8) 20.9 (16.5 + 23.8)	1	1990	3.4 (2.6 - 4.2)							21.3 (16.9 - 24.6)
Control Cont		2010	5.2 (4.0 - 6.2)		11.3 (8.8 - 13.3)		14.0 (10.8 - 16.0)	35.8 (27.7 - 40.9)	30.4 (24.0 - 34.8)	20.9 (16.5 - 23.9)
Low-middle 1990 5.9 (5.0 7.0) 8.7 (7.3 - 10.4) 14.4 (12.6 - 16.9) 24.3 (17.6 - 23.7) 27.3 (22.4 - 28.5) 3.9 (32.2 - 42.1) 39.2 (34.9 - 45.0) 21.4 (176.5 - 25.7) 21.4 (176.5 - 23.7) 27.3 (22.4 - 29.1) 31.1 (26.1 - 36.8) 46.1 (38.8 - 52.8) 17.8 (15.0 - 20.1) 20.9 3.4 (42.6 - 65.5) 5.9 (46.7 - 72.1) 17.7 (14.7 - 20.7) 25.3 (21.2 - 29.1) 31.1 (26.1 - 36.8) 46.1 (38.8 - 52.8) 17.8 (15.0 - 20.5) 39.2 (34.9 - 45.0) 21.4 (176.5 - 25.8) 21.2 (116.1 - 14.5) 29.5 (270.3 - 25.1) 27.2 (39.2 - 13.7) 34.6 (118.5 - 85.1) 13.5 (25.1 - 16.1) 17.8 (1.7 - 36.5) 28.8 (26.6 - 33.8) 27.2 (21.2 - 25.8) 21.2 (116.1 - 14.5) 29.5 (270.3 - 25.1) 27.2 (39.2 - 13.7) 34.6 (118.5 - 25.1) 39.2 (39.2 - 51.7) 79.5 (73.4 - 39.5) 28.8 (26.6 - 33.8) 20.1 28.6 (73.4 - 33.1) 28.7 (7.7 - 72.6) 27.2 (39.2 - 33.7) 27.2 (39.2 - 33.7) 27.2 (39.2 - 33.7) 27.2 (39.2 - 32.1) 29.2 (34.1 - 9.3) 57.8 (51.5 - 63.9) 20.4 (18.2 - 22.1) 20.3 (179.2 - 22.1) 27.2 (39.2 - 23.7) 27.2 (11.2 - 25.7) 32.2 (34.1 - 9.3) 27.3 (38.8 - 17.7) 22.2 (40.4 - 19.1) 27.2 (39.2 - 23.7) 27.2 (39.2 - 23.7) 27.2 (11.2 - 25.7) 35.6 (13.3 - 36.9) 34.2 (30.7 - 35.9) 27.3 (38.8 - 17.7) 27.2 (40.4 - 19.1) 27.2 (39.2 - 32.7) 27.2 (11.2 - 25.7) 35.6 (11.5 - 17.7) 35.2 (11.2 - 25.7) 35.6 (11.7 - 14.1) 37.8 (25.0 - 30.1) 27.3 (23.2 - 24.8) 27.3 (25.8 - 24.8)	סטו	2019	5.1 (3.9 - 6.4)	7.0 (5.4 - 8.8)	12.2 (9.7 - 14.9)	19.5 (15.5 - 23.8)	15.7 (12.3 - 18.6)	30.5 (23.9 - 36.3)	33.0 (26.3 - 39.2)	17.7 (14.0 - 20.9)
Low-middle		% change			78.4 (46.1 - 121.5)	-23.1 (-37.04.5)	113.9 (78.6 - 159.9)	-7.9 (-23.1 - 11.9)	87.7 (S8.5 - 125.2)	-17.0 (-29.90.4)
Middle	1		5.9 (5.0 - 7.0)	8.7 (7.3 - 10.4)	14.4 (12.6 - 16.9)		18.8 (16.8 - 22.0)			21.8 (19.4 - 25.1)
SDI SDI SA (4,2 - 6,5) SA (4,1 - 18,5) SA (4,1		2010	7.2 (5.7 - 8.4)	8.2 (6.4 - 9.4)	17.5 (14.4 - 19.4)	21.3 (17.6 - 23.7)	27.3 (22.4 - 29.8)	37.6 (30.8 - 41.0)	52.0 (42.8 - 56.7)	21.4 (17.6 - 23.3)
Middle M		2019	5.4 (4.2 - 6.5)	5.9 (4.6 - 7.2)	15.5 (12.9 - 18.1)	17.7 (14.7 - 20.7)	25.3 (21.2 - 29.1)	31.1 (26.1 - 35.8)	46.1 (38.8 - 52.8)	17.8 (15.0 - 20.3)
Middle	סטו	% change		-32.1 (-44.118.5)		-27.2 (-39.213.7)	34.6 (11.8 - 58.1)	-13.5 (-28.1 - 1.6)	17.8 (-1.7 - 36.5)	-18.4 (-32.05.5)
Section Sect	N 4: -1 -11 -		12.0 (10.8 - 13.5)	12.8 (11.6 - 14.5)	29.5 (27.0 - 35.1)	31.3 (28.6 - 37.2)	38.0 (34.8 - 45.8)	42.9 (39.2 - 51.7)	79.5 (73.4 - 93.5)	28.8 (26.6 - 33.9)
Marchage St.		2010	8.6 (7.4 - 9.3)	8.9 (7.7 - 9.7)	27.9 (24.5 - 30.0)	27.3 (23.9 - 29.3)	43.4 (38.2 - 46.5)	41.7 (36.7 - 44.6)	79.9 (70.6 - 85.3)	26.4 (23.3 - 28.2)
Middle	SDI	2019	5.8 (5.0 - 6.7)	6.1 (5.1 - 7.0)	20.3 (17.9 - 22.6)	21.4 (18.9 - 23.8)	31.7 (28.2 - 35.1)		57.8 (51.5 - 63.9)	20.4 (18.2 - 22.6)
High- 1990		% change	-51.2 (-57.543.6)		-31.3 (-42.721.5)	-31.7 (-43.021.9)	-16.6 (-31.15.1)	-20.2 (-34.19.3)	-27.3 (-38.817.7)	-29.2 (-40.419.9)
Middle 2010	High-		4.5 (4.2 - 5.1)	9.0 (8.3 - 10.1)	15.2 (14.1 - 17.4)	29.3 (27.2 - 33.7)	22.7 (21.1 - 25.7)	43.6 (40.6 - 49.4)	42.4 (39.7 - 48.4)	27.5 (25.8 - 31.4)
SDI 2019	middle	2010	2.4 (2.1 - 2.5)	5.5 (4.9 - 5.9)	10.2 (9.1 - 10.8)	20.2 (17.9 - 21.3)	21.6 (19.4 - 22.9)	35.0 (31.3 - 36.9)	34.2 (30.7 - 35.9)	22.0 (19.8 - 23.1)
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Number (thousands) Fate Number (thousands) Rate Number (thousands) Rate Number (thousands) Rate Number (thousands)	High	2010	0.9 (0.9 - 1.0)	3.1 (2.9 - 3.3)	5.7 (5.5 - 5.9)	18.0 (17.5 - 18.6)	9.4 (9.1 - 9.8)	27.8 (26.8 - 29.1)	16.0 (15.5 - 16.6)	16.9 (16.4 - 17.5)
The color of the	SDI		0.7 (0.7 - 0.8)	2.5 (2.3 - 2.6)		14.7 (13.6 - 15.5)	7.4 (6.8 - 7.9)	23.0 (21.3 - 24.9)	12.4 (11.6 - 13.3)	13.7 (12.8 - 14.7)
The color of the		% change	-69.0 (-71.166.8)	-68.5 (-70.666.3)	-66.0 (-68.264.4)			-53.2 (-56.549.6)	-60.4 (-62.958.1)	-58.9 (-61.556.6)
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K change -46.3 (-52.339.6) -55.5 (-60.449.9) -42.0 (-47.535.3) -51.8 (-56.446.2) -28.2 (-35.520.4) -41.4 (-47.435.1) -38.1 (-43.631.4) -48.9 (-53.543.4) Low SDI 1990 5.3 (4.0 - 6.4) 15.7 (11.9 - 19.1) 4.9 (3.8 - 6.2) 18.2 (14.1 - 22.8) 5.2 (4.1 - 6.4) 23.4 (18.4 - 28.9) 15.4 (12.0 - 18.7) 18.6 (14.5 - 22.0) SDI 2010 20.9 (18.9 - 22.9) 35.8 (32.4 - 39.3) 22.1 (20.3 - 24.2) 45.9 (42.3 - 50.3) 23.0 (21.2 - 25.0) 58.7 (54.1 - 64.1) 65.9 (60.6 - 71.8) 45.3 (41.6 - 49.3) 2019 6.9 (5.6 - 8.8) 9.5 (7.6 - 12.1) 6.9 (5.7 - 8.4) 11.1 (9.1 - 13.4) 8.3 (7.0 - 9.8) 16.1 (13.6 - 19.0) 22.1 (18.5 - 26.7) 11.8 (9.9 - 14.3) 6.9 (5.7 - 8.4) 11.1 (9.1 - 13.4) 8.3 (7.0 - 9.8) 16.1 (13.6 - 19.0) 22.1 (18.5 - 26.7) 11.8 (9.9 - 14.3) 1.0w- middle 1990 14.4 (11.8 - 17.3) 21.2 (17.3 - 25.5) 14.5 (12.1 - 17.0) 24.4 (20.4 - 28.6) 15.5 (13.2 - 18.5) 29.6 (25.3 - 35.4) 44.4 (38.2 - 52.0) 24.7 (21.3 - 28.1) 1.0w- middle 2019 10.2 (8.4 - 12.1)	Global		` ,							
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## Change										,
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	SDI	2010	12.7 (11.0 - 13.6)	13.2 (11.5 - 14.2)	15.8 (13.5 - 17.0)	15.4 (13.2 - 16.5)	20.8 (18.2 - 22.4)	20.0 (17.4 - 21.5)	49.3 (42.9 - 52.5)	16.3 (14.2 - 17.4)

	2019	7.7 (6.8 - 8.5)	8.0 (7.1 - 8.9)	11.2 (9.4 - 12.6)	11.8 (9.9 - 13.3)	15.3 (13.1 - 17.0)	16.5 (14.1 - 18.4)	34.2 (29.5 - 37.8)	12.1 (10.4 - 13.3)
	% change	-65.2 (-68.960.9)	-66.2 (-69.862.1)	-55.1 (-61.048.6)	-55.4 (-61.248.9)	-42.0 (-49.534.6)	-44.5 (-51.737.4)	-53.4 (-59.047.9)	-54.7 (-60.049.2)
High-	1990	8.4 (7.8 - 9.1)	16.6 (15.6 - 18.0)	11.8 (10.9 - 12.8)	22.7 (21.0 - 24.8)	14.1 (13.2 - 15.3)	27.2 (25.3 - 29.3)	34.3 (32.1 - 37.0)	22.2 (20.8 - 24.0)
middle	2010	4.0 (3.8 - 4.3)	9.5 (8.8 - 10.0)	6.6 (6.2 - 7.0)	13.0 (12.2 - 13.7)	11.8 (10.9 - 12.4)	19.1 (17.7 - 20.1)	22.4 (21.0 - 23.5)	14.4 (13.5 - 15.2)
SDI	2019	2.5 (2.3 - 2.8)	6.0 (5.5 - 6.5)	4.3 (3.9 - 4.7)	10.0 (9.1 - 10.9)	6.9 (6.2 - 7.5)	14.7 (13.3 - 16.0)	13.7 (12.6 - 14.8)	10.4 (9.5 - 11.2)
301	% change	-69.5 (-72.666.2)	-63.7 (-67.459.7)	-63.5 (-67.758.6)	-56.1 (-61.250.2)	-51.4 (-57.245.1)	-46.0 (-52.539.0)	-60.0 (-64.255.4)	-53.3 (-58.247.9)
	1990	2.0 (1.9 - 2.1)	6.8 (6.3 - 7.2)	4.0 (3.6 - 4.3)	12.7 (11.6 - 13.5)	5.3 (5.0 - 5.6)	16.1 (15.0 - 17.1)	11.3 (10.5 - 12.0)	12.0 (11.1 - 12.7)
	2010	0.8 (0.7 - 0.8)	2.6 (2.4 - 2.7)	1.7 (1.6 - 1.8)	5.4 (5.1 - 5.6)	3.0 (2.9 - 3.3)	9.0 (8.5 - 9.7)	5.5 (5.2 - 5.8)	5.8 (5.5 - 6.1)
High	2019	0.6 (0.5 - 0.6)	2.0 (1.9 - 2.1)	1.3 (1.2 - 1.4)	4.4 (4.1 - 4.7)	2.4 (2.2 - 2.6)	7.4 (6.8 - 8.2)	4.2 (4.0 - 4.6)	4.7 (4.4 - 5.0)
SDI	% change	-71.0 (-73.268.6)	-70.6 (-72.868.1)	-67.4 (-69.964.5)	-65.4 (-68.162.4)	-55.5 (-60.149.6)	-53.9 (-58.747.8)	-62.4 (-65.358.7)	-61.0 (-64.057.1)

Table S11: Injury-related mortality in absolute numbers and rates per 100,000 population for females overall and by age group, by sociodemographic index, transport injury and unintentional injury and trends over time 1990-2019

					Transpo				
		10-14	,		years	20-24		10-24	
	1000	Number (thousands)	Rate	Number (thousands)	Rate	Number (thousands)	Rate	Number (thousands)	Rate
	1990	13.5 (12.2 - 14.8)	5.1 (4.7 - 5.6)	24.1 (22.5 - 25.7)	9.4 (8.8 - 10.0)	24.1 (22.5 - 25.9)	9.9 (9.2 - 10.6)	61.6 (57.7 - 65.9)	8.1 (7.6 - 8.6)
Global	2010	10.8 (9.7 - 11.9)	3.7 (3.3 - 4.0)	20.1 (18.8 - 21.5)	6.7 (6.3 - 7.2)	24.6 (23.1 - 26.1)	8.0 (7.5 - 8.5)	55.5 (52.0 - 59.1)	6.2 (5.8 - 6.6)
	2019	8.9 (7.8 - 10.2)	2.9 (2.5 - 3.3)	16.0 (14.4 - 17.6)	5.3 (4.8 - 5.8)	18.3 (16.5 - 20.1)	6.2 (5.6 - 6.8)	43.2 (39.1 - 47.3)	4.8 (4.3 - 5.2)
	% change	-33.8 (-41.525.5)	-44.2 (-50.737.2)	-33.4 (-40.126.7)	-43.6 (-49.337.9)	-24.2 (-32.416.1)	-37.4 (-44.230.7)	-29.9 (-36.823.0)	-41.2 (-47.035.4)
Low	1990	1.8 (1.4 - 2.2)	5.6 (4.4 - 6.9)	2.2 (1.8 - 2.7)	8.4 (6.7 - 10.3)	2.1 (1.7 - 2.6)	9.3 (7.6 - 11.3)	6.1 (5.1 - 7.3)	7.5 (6.2 - 9.0)
SDI	2010	2.6 (2.1 - 3.3)	4.7 (3.8 - 5.8)	3.2 (2.7 - 4.0)	6.8 (5.7 - 8.5)	3.1 (2.6 - 3.8)	7.8 (6.5 - 9.5)	8.9 (7.6 - 11.3)	6.3 (5.3 - 7.9)
ODI	2019	2.8 (2.3 - 3.7)	4.0 (3.2 - 5.2)	3.5 (2.8 - 4.6)	5.7 (4.6 - 7.5)	3.4 (2.8 - 4.3)	6.5 (5.3 - 8.3)	9.8 (8.0 - 12.6)	5.3 (4.3 - 6.8)
	% change	56.7 (25.1 - 97.3)	-28.9 (-43.210.5)	60.0 (26.4 - 105.6)	-31.4 (-45.811.9)	62.1 (29.2 - 100.5)	-29.7 (-43.913.0)	59.7 (31.2 - 92.3)	-29.8 (-42.315.4)
Low-	1990	2.7 (2.3 - 3.2)	4.2 (3.5 - 4.9)	4.6 (4.0 - 5.2)	7.9 (7.0 - 9.0)	4.6 (4.0 - 5.1)	8.8 (7.8 - 9.9)	11.9 (10.5 - 13.2)	6.8 (6.0 - 7.6)
middle	2010	2.8 (2.4 - 3.2)	3.3 (2.9 - 3.8)	4.6 (4.1 - 5.2)	5.9 (5.3 - 6.6)	5.2 (4.7 - 5.7)	7.2 (6.5 - 7.9)	12.6 (11.3 - 13.8)	5.4 (4.9 - 5.9)
SDI	2019	2.4 (2.0 - 2.8)	2.7 (2.3 - 3.2)	4.1 (3.5 - 4.7)	4.8 (4.2 - 5.5)	4.8 (4.1 - 5.5)	5.9 (5.0 - 6.8)	11.2 (9.8 - 12.6)	4.5 (3.9 - 5.0)
וטפ	% change	-13.1 (-27.4 - 3.2)	-34.6 (-45.422.3)	-11.1 (-26.2 - 4.4)	-39.1 (-49.428.4)	4.2 (-13.0 - 23.9)	-33.1 (-44.220.5)	-5.7 (-19.0 - 8.4)	-34.5 (-43.824.7)
NA: al all a	1990	5.6 (5.1 - 6.2)	6.3 (5.7 - 6.9)	8.7 (7.9 - 9.5)	9.5 (8.7 - 10.4)	9.1 (8.3 - 10.1)	10.4 (9.4 - 11.5)	23.4 (21.6 - 25.3)	8.7 (8.1 - 9.4)
Middle	2010	3.8 (3.5 - 4.0)	4.3 (4.0 - 4.6)	7.1 (6.6 - 7.6)	7.3 (6.8 - 7.8)	9.2 (8.4 - 10.0)	8.9 (8.1 - 9.7)	20.0 (18.7 - 21.4)	6.9 (6.5 - 7.4)
SDI	2019	2.5 (2.2 - 2.8)	2.9 (2.6 - 3.2)	4.7 (4.2 - 5.2)	5.3 (4.8 - 5.8)	5.7 (5.0 - 6.4)	6.4 (5.6 - 7.1)	12.9 (11.6 - 14.3)	4.8 (4.4 - 5.4)
	% change	-55.2 (-61.249.1)	-54.6 (-60.748.4)	-46.2 (-53.338.6)	-44.3 (-51.636.5)	-37.4 (-46.527.6)	-38.8 (-47.729.2)	-44.9 (-51.737.9)	-44.5 (-51.337.4)
High-	1990	2.1 (1.9 - 2.2)	4.3 (4.0 - 4.6)	4.3 (4.0 - 4.6)	8.6 (8.1 - 9.3)	4.2 (3.9 - 4.6)	8.4 (7.7 - 9.2)	10.6 (10.0 - 11.4)	7.1 (6.7 - 7.7)
middle	2010	1.2 (1.1 - 1.2)	3.0 (2.8 - 3.1)	3.1 (2.9 - 3.2)	6.4 (6.2 - 6.7)	4.7 (4.5 - 5.0)	7.9 (7.5 - 8.4)	8.9 (8.6 - 9.3)	6.1 (5.9 - 6.4)
SDI	2019	0.8 (0.7 - 0.9)	2.1 (1.9 - 2.2)	1.9 (1.8 - 2.1)	4.9 (4.5 - 5.3)	2.4 (2.2 - 2.7)	5.6 (5.1 - 6.1)	5.1 (4.8 - 5.5)	4.2 (3.9 - 4.6)
	% change	-61.4 (-65.357.1)	-52.1 (-56.946.7)	-55.2 (-59.351.0)	-43.7 (-48.838.4)	-42.9 (-49.835.0)	-33.3 (-41.424.1)	-51.5 (-56.146.7)	-40.8 (-46.434.9)
	1990	1.3 (1.2 - 1.3)	4.5 (4.4 - 4.7)	4.3 (4.2 - 4.4)	14.2 (13.9 - 14.6)	4.1 (4.0 - 4.2)	12.8 (12.5 - 13.2)	9.6 (9.4 - 9.8)	10.7 (10.5 - 10.9)
High	2010	0.5 (0.5 - 0.5)	1.9 (1.8 - 1.9)	2.1 (2.0 - 2.2)	7.1 (6.9 - 7.3)	2.4 (2.3 - 2.5)	7.6 (7.4 - 8.0)	5.0 (4.9 - 5.2)	5.6 (5.5 - 5.8)
SDI	2019	0.4 (0.4 - 0.5)	1.6 (1.5 - 1.7)	1.8 (1.7 - 1.9)	6.5 (6.1 - 6.8)	1.9 (1.8 - 2.1)	6.5 (6.2 - 7.0)	4.2 (4.0 - 4.4)	4.9 (4.7 - 5.1)
	% change	-66.2 (-68.363.9)	-65.6 (-67.863.2)	-57.8 (-60.455.7)	-54.6 (-57.452.3)	-52.1 (-55.148.7)	-49.1 (-52.345.5)	-56.5 (-58.654.3)	-54.2 (-56.451.9)
	,	(3010 (3110		Unintentio				<u> </u>
		10-14	years	15-19	years	20-24	years	10-24	years
		Number (thousands)	Rate	Number (thousands)	Rate	Number (thousands)	Rate	Number (thousands)	Rate
	1990	24.4 (21.5 - 27.3)	9.3 (8.2 - 10.4)	21.8 (19.6 - 24.3)	8.5 (7.7 - 9.5)	21.1 (18.7 - 24.2)	8.6 (7.6 - 9.9)	67.3 (60.5 - 75.4)	8.8 (7.9 - 9.9)
Global	2010	27.0 (24.3 - 29.3)	9.2 (8.3 - 9.9)	25.2 (22.7 - 27.4)	8.4 (7.6 - 9.1)	27.0 (24.1 - 29.5)	8.8 (7.9 - 9.6)	79.2 (71.6 - 85.7)	8.8 (8.0 - 9.5)
	2019	14.0 (11.7 - 16.6)	4.5 (3.8 - 5.3)	14.1 (11.6 - 16.8)	4.7 (3.8 - 5.6)	15.9 (12.8 - 19.7)	5.4 (4.3 - 6.7)	44.1 (36.4 - 53.1)	4.8 (4.0 - 5.8)
	% change	-42.4 (-50.529.7)	-51.5 (-58.340.8)	-35.4 (-45.319.8)	-45.3 (-53.732.1)	-24.6 (-39.22.3)	-37.7 (-49.819.3)	-34.6 (- 4 4.918.9)	-45.1 (-53.832.0)
	1990	2.9 (2.2 - 3.7)	9.0 (7.0 - 11.4)	2.3 (1.9 - 2.8)	8.9 (7.2 - 10.7)	2.3 (1.9 - 2.8)	10.3 (8.5 - 12.6)	7.6 (6.2 - 9.1)	9.3 (7.6 - 11.2)
Low	2010	12.9 (11.7 - 14.0)	23.1 (21.0 - 25.1)	10.4 (9.6 - 11.3)	22.2 (20.4 - 24.1)	10.1 (9.3 - 11.0)	25.1 (23.1 - 27.4)	33.4 (30.6 - 36.3)	23.4 (21.4 - 25.4)
SDI	2019	3.7 (3.0 - 4.6)	5.3 (4.2 - 6.5)	3.0 (2.4 - 3.8)	4.9 (3.9 - 6.1)	3.1 (2.4 - 3.9)	5.9 (4.6 - 7.6)	9.8 (7.9 - 12.3)	5.3 (4.3 - 6.6)
	% change	29.8 (3.3 - 73.6)	-41.1 (-53.121.2)	28.8 (1.9 - 73.8)	-44.8 (-56.325.5)	30.8 (0.5 - 81.2)	-43.2 (-56.421.4)	29.8 (3.0 - 73.9)	-42.9 (-54.723.5)
	1990	7.6 (6.1 - 9.1)	11.7 (9.5 - 14.1)	7.6 (6.3 - 9.0)	13.2 (11.0 - 15.5)	7.2 (6.0 - 8.7)	14.0 (11.6 - 16.9)	22.4 (18.8 - 26.5)	12.9 (10.8 - 15.2)
Low-	2010	6.7 (5.4 - 7.9)	8.1 (6.4 - 9.5)	7.1 (6.0 - 8.1)	9.1 (7.7 - 10.4)	7.4 (6.1 - 8.5)	10.3 (8.5 - 11.8)	21.3 (17.8 - 24.1)	9.1 (7.6 - 10.3)
middle	2010	5.7 (5.1 7.0)	0.1 (0.1 0.0)	7.1 (3.3 0.1)	J. (7.7	7.1 (0.1 0.0)	10.0 (0.0 11.0)	21.0 (11.0 24.1)	0.1 (1.0 10.0)

9.1 (8.1 - 10.1)

5.3 (4.5 - 6.0)

4.1 (3.3 - 5.0)

-46.1 (-56.3 - -28.6)

7.1 (5.6 - 8.7)

6.7 (5.3 - 8.6)

7.9 (6.9 - 9.1)

6.0 (5.0 - 6.9)

4.2 (3.2 - 5.4)

-7.0 (-29.5 - 30.4)

8.4 (6.5 - 10.7)

9.0 (7.9 - 10.3)

5.8 (4.8 - 6.6)

4.7 (3.6 - 6.0)

-40.4 (-54.7 - -16.3)

2019

1990

2010

2019

% change

middle

SDI

Middle

SDI

5.5 (4.3 - 6.8)

5.3 (4.8 - 5.7)

3.5 (3.0 - 4.0)

-27.2 (-40.7 - -4.5)

10.3 (9.4 - 11.3)

6.4 (5.0 - 8.0)

6.0 (5.4 - 6.5)

4.0 (3.4 - 4.6)

-45.1 (-55.4 - -28.1)

11.6 (10.5 - 12.7)

6.0 (4.7 - 7.3)

8.3 (7.4 - 9.2)

5.2 (4.4 - 5.8)

3.6 (2.9 - 4.4)

-21.3 (-36.3 - 4.2)

7.3 (5.8 - 8.9)

9.9 (8.9 - 10.9)

5.7 (4.9 - 6.3)

4.2 (3.5 - 5.1)

-43.5 (-54.6 - -24.9)

18.2 (14.5 - 22.4)

-18.7 (-34.6 - 8.1)

26.5 (24.0 - 29.4)

16.4 (14.2 - 18.2)

11.3 (9.2 - 13.7)

	% change	-66.0 (-70.459.8)	-65.6 (-70.059.3)	-56.7 (-63.946.0)	-55.2 (-62.744.1)	-46.9 (-58.228.5)	-48.1 (-59.130.1)	-57.4 (-64.446.4)	-57.1 (-64.145.9)
High-	1990	2.8 (2.6 - 3.0)	5.9 (5.5 - 6.3)	2.8 (2.6 - 3.0)	5.5 (5.1 - 6.0)	2.6 (2.4 - 2.9)	5.2 (4.7 - 5.8)	8.2 (7.6 - 8.9)	5.5 (5.2 - 6.0)
middle	2010	1.5 (1.4 - 1.6)	3.7 (3.5 - 4.0)	1.8 (1.7 - 2.0)	3.8 (3.5 - 4.1)	2.6 (2.3 - 2.8)	4.4 (3.9 - 4.8)	5.9 (5.4 - 6.3)	4.0 (3.7 - 4.3)
SDI	2019	1.0 (0.9 - 1.1)	2.5 (2.3 - 2.8)	1.2 (1.0 - 1.3)	2.9 (2.6 - 3.3)	1.4 (1.2 - 1.6)	3.3 (2.7 - 3.8)	3.6 (3.1 - 4.0)	2.9 (2.6 - 3.3)
301	% change	-65.3 (-69.261.3)	-56.9 (-61.751.9)	-57.6 (-64.251.4)	-46.7 (-55.038.9)	-45.8 (-56.034.2)	-36.7 (-48.623.1)	-56.5 (-63.249.7)	-46.9 (-55.138.7)
	1990	0.7 (0.7 - 0.8)	2.6 (2.4 - 2.8)	0.8 (0.8 - 0.9)	2.8 (2.6 - 3.0)	1.0 (1.0 - 1.1)	3.2 (3.0 - 3.5)	2.6 (2.4 - 2.7)	2.9 (2.7 - 3.1)
	2010	0.3 (0.3 - 0.3)	1.1 (1.1 - 1.2)	0.4 (0.4 - 0.4)	1.4 (1.3 - 1.5)	0.6 (0.6 - 0.7)	2.0 (1.9 - 2.1)	1.4 (1.3 - 1.4)	1.5 (1.5 - 1.6)
High	2019	0.3 (0.2 - 0.3)	0.9 (0.9 - 1.0)	0.3 (0.3 - 0.4)	1.2 (1.1 - 1.3)	0.5 (0.5 - 0.6)	1.7 (1.6 - 1.9)	1.1 (1.0 - 1.2)	1.3 (1.2 - 1.4)
SDI	% change	-64.1 (-66.961.1)	-63.5 (-66.360.4)	-59.7 (-63.555.8)	-56.6 (-60.752.4)	-50.6 (-55.744.5)	-47.5 (-52.941.0)	-57.3 (-60.553.5)	-55.1 (-58.551.0)

Table S12: Level 4 breakdown of select unintentional injury mechanisms for adolescents 10-24 years, total deaths and deaths per 100,000 population, 1990 and 2019 and percentage change by SDI

		Deaths in 1990	Deaths in 2019	Deaths % change	Deaths/100,000 in 1990	Deaths/100,000 in 2019	Deaths per 100,000 % change
	Poisonings	12,555.3 (11,108.7 to 14,295.3)	8,755.4 (7,293.2 to 9,864.6)	-30.3% (-41.5 to -20.5)	0.8 (0.7 to 0.9)	0.5 (0.4 to 0.5)	-42.0% (-51.3 to -33.9)
	Poisoning by carbon monoxide	6,591.9 (5,440.2 to 7,825.3)	4,807.4 (3,699.0 to 5,549.1)	-27.1% (-42.8 to -14.4)	0.4 (0.4 to 0.5)	0.3 (0.2 to 0.3)	-39.3% (-52.4 to -28.8)
	Poisoning by other means	5,963.4 (4,965.5 to 7,050.9)	3,948.1 (3,274.1 to 4,865.6)	-33.8% (-43.3 to -22.4)	0.4 (0.3 to 0.5)	0.2 (0.2 to 0.3)	-44.9% (-52.8 to -35.5)
	Exposure to mechanical forces	23,488.9 (20,892.6 to 26,960.0)	16,721.1 (13,469.8 to 19,568.2)	-28.8% (-41.4 to -14.6)	1.5 (1.3 to 1.7)	0.9 (0.7 to 1.1)	-40.8% (-51.3 to -29.0)
	Unintentional firearm injuries	6,882.6 (5,425.7 to 8,218.4)	4,270.5 (3,367.7 to 5,564.4)	-38.0% (-49.8 to -17.2)	0.4 (0.4 to 0.5)	0.2 (0.2 to 0.3)	-48.4% (-58.3 to -31.1)
oal	Other exposure to mechanical forces	16,606.4 (14,398.0 to 19,657.5)	12,450.6 (9,498.9 to 14,541.6)	-25.0% (-42.0 to -8.0)	1.1 (0.9 to 1.3)	0.7 (0.5 to 0.8)	-37.6% (-51.7 to -23.5)
Global	Animal contact	16,142.0 (10,347.2 to 19,377.9)	13,552.1 (8,975.3 to 17,062.2)	-16.0% (-32.7 to 24.7)	1.0 (0.7 to 1.3)	0.7 (0.5 to 0.9)	-30.2% (-44.0 to 3.7)
_	Venomous animal contact	14,381.2 (9,088.2 to 17,484.2)	11,957.0 (7,646.8 to 15,364.5)	-16.9% (-34.2 to 25.9)	0.9 (0.6 to 1.1)	0.6 (0.4 to 0.8)	-30.8% (-45.3 to 4.7)
	Non-venomous animal contact	1,760.8 (1,266.9 to 2,183.2)	1,595.1 (1,252.7 to 2,115.0)	-9.4% (-27.1 to 26.0)	0.1 (0.1 to 0.1)	0.1 (0.1 to 0.1)	-24.6% (-39.4 to 4.8)
	Foreign body	6,932.0 (6,557.4 to 7,371.0)	6,737.5 (6,088.3 to 7,516.5)	-2.8% (-13.0 to 7.1)	0.4 (0.4 to 0.5)	0.4 (0.3 to 0.4)	-19.1% (-27.7 to -10.9)
	Pulmonary aspiration and foreign body in airway	6,298.2 (5,956.9 to 6,704.1)	6,099.4 (5,510.1 to 6,800.3)	-3.2% (-12.6 to 6.0)	0.4 (0.4 to 0.4)	0.3 (0.3 to 0.4)	-19.4% (-27.3 to -11.9)
	Foreign body in eyes	-	-	-	-	-	-
	Foreign body in other body part	633.8 (486.6 to 735.9)	638.1 (494.1 to 813.4)	0.7% (-26.0 to 31.4)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	-16.2% (-38.5 to 9.3)
	Poisonings	1,574.1 (1,232.3 to 1,951.0)	2,174.2 (1,789.6 to 2,717.3)	38.1% (13.2 to 81.9)	1.0 (0.8 to 1.2)	0.6 (0.5 to 0.7)	-39.1% (-50.1 to -19.8)
	Poisoning by carbon monoxide	472.8 (304.0 to 704.0)	934.5 (692.4 to 1,318.3)	97.6% (40.6 to 185.8)	0.3 (0.2 to 0.4)	0.3 (0.2 to 0.4)	-12.8% (-38.0 to 26.0)
	Poisoning by other means	1,101.3 (780.0 to 1,364.8)	1,239.7 (960.5 to 1,579.8)	12.6% (-11.6 to 56.5)	0.7 (0.5 to 0.8)	0.3 (0.3 to 0.4)	-50.3% (-61.0 to -31.0)
	Exposure to mechanical forces	2,316.9 (1,868.4 to 2,925.1)	3,820.0 (2,932.2 to 5,238.6)	64.9% (33.7 to 134.1)	1.4 (1.1 to 1.8)	1.0 (0.8 to 1.4)	-27.3% (-41.0 to 3.3)
	Unintentional firearm injuries	879.2 (667.0 to 1,175.2)	1,262.0 (872.3 to 1,954.2)	43.5% (-0.2 to 123.4)	0.5 (0.4 to 0.7)	0.3 (0.2 to 0.5)	-36.7% (-56.0 to -1.4)
SDI	Other exposure to mechanical forces	1,437.7 (1,041.9 to 1,990.1)	2,558.1 (1,937.9 to 3,372.1)	77.9% (38.2 to 140.7)	0.9 (0.6 to 1.2)	0.7 (0.5 to 0.9)	-21.5% (-39.1 to 6.1)
Low	Animal contact	3,408.5 (1,986.5 to 4,536.5)	3,903.2 (2,543.9 to 5,349.3)	14.5% (-18.1 to 82.2)	2.1 (1.2 to 2.8)	1.1 (0.7 to 1.4)	-49.5% (-63.9 to -19.6)
_	Venomous animal contact	2,919.9 (1,578.7 to 3,998.7)	3,061.3 (1,864.1 to 4,273.0)	4.8% (-27.8 to 72.7)	1.8 (1.0 to 2.4)	0.8 (0.5 to 1.2)	-53.8% (-68.2 to -23.8)
	Non-venomous animal contact	488.5 (315.6 to 669.5)	841.9 (619.1 to 1,233.4)	72.3% (21.1 to 170.1)	0.3 (0.2 to 0.4)	0.2 (0.2 to 0.3)	-24.0% (-46.6 to 19.1)
	Foreign body	907.0 (771.6 to 1,045.7)	1,843.0 (1,553.4 to 2,187.6)	103.2% (64.9 to 145.1)	0.6 (0.5 to 0.6)	0.5 (0.4 to 0.6)	-10.4% (-27.3 to 8.1)
	Pulmonary aspiration and foreign body in airway	730.3 (611.1 to 859.1)	1,515.7 (1,254.6 to 1,813.9)	107.5% (71.9 to 150.8)	0.4 (0.4 to 0.5)	0.4 (0.3 to 0.5)	-8.5% (-24.2 to 10.6)
	Foreign body in eyes	-	-	-	-	-	-
	Foreign body in other body part	176.7 (125.2 to 231.5)	327.3 (225.1 to 455.6)	85.3% (26.5 to 153.6)	0.1 (0.1 to 0.1)	0.1 (0.1 to 0.1)	-18.3% (-44.2 to 11.9)
Low-	Poisonings	2,906.0 (2,348.4 to 3,583.9)	2,502.4 (2,075.0 to 2,914.9)	-13.9% (-33.0 to 3.7)	0.8 (0.7 to 1.0)	0.5 (0.4 to 0.6)	-40.3% (-53.6 to -28.1)
	Poisoning by carbon monoxide	1,150.1 (772.7 to 1,575.5)	1,235.6 (853.0 to 1,542.1)	7.4% (-23.2 to 44.3)	0.3 (0.2 to 0.4)	0.2 (0.2 to 0.3)	-25.5% (-46.7 to 0.1)

	Poisoning by other means	1,755.9 (1,395.9 to 2,163.2)	1,266.9 (1,042.7 to 1,628.8)	-27.9% (-42.4 to -8.6)	0.5 (0.4 to 0.6)	0.2 (0.2 to 0.3)	-50.0% (-60.1 to -36.6)
	Exposure to mechanical forces	5,196.5 (4,166.9 to 6,251.0)	4,793.1 (3,908.4 to 5,727.1)	-7.8% (-22.4 to 12.4)	1.5 (1.2 to 1.8)	0.9 (0.8 to 1.1)	-36.1% (-46.2 to -22.0)
	Unintentional firearm injuries	1,345.8 (986.0 to 1,742.0)	1,196.0 (934.3 to 1,566.4)	-11.1% (-33.2 to 29.2)	0.4 (0.3 to 0.5)	0.2 (0.2 to 0.3)	-38.4% (-53.7 to -10.4)
	Other exposure to mechanical forces	3,850.7 (2,982.7 to 4,772.6)	3,597.1 (2,801.0 to 4,313.3)	-6.6% (-23.7 to 15.6)	1.1 (0.8 to 1.3)	0.7 (0.5 to 0.8)	-35.2% (-47.1 to -19.9)
	Animal contact	9,604.7 (5,875.4 to 11,697.3)	7,819.7 (4,677.1 to 10,035.8)	-18.6% (-35.4 to 24.0)	2.7 (1.7 to 3.3)	1.5 (0.9 to 2.0)	-43.6% (-55.2 to -14.0)
	Venomous animal contact	9,055.2 (5,421.9 to 11,099.1)	7,330.7 (4,257.3 to 9,442.1)	-19.0% (-36.3 to 24.5)	2.6 (1.5 to 3.1)	1.4 (0.8 to 1.8)	-43.9% (-55.9 to -13.7)
	Non-venomous animal contact	549.5 (364.6 to 744.2)	489.0 (377.1 to 664.8)	-11.0% (-33.7 to 36.4)	0.2 (0.1 to 0.2)	0.1 (0.1 to 0.1)	-38.3% (-54.0 to -5.5)
	Foreign body	1,288.6 (1,167.9 to 1,423.2)	1,676.4 (1,468.0 to 1,918.1)	30.1% (9.5 to 49.5)	0.4 (0.3 to 0.4)	0.3 (0.3 to 0.4)	-9.8% (-24.1 to 3.7)
	Pulmonary aspiration and foreign body in airway	1,172.9 (1,065.9 to 1,299.7)	1,499.9 (1,305.1 to 1,737.4)	27.9% (9.0 to 47.2)	0.3 (0.3 to 0.4)	0.3 (0.3 to 0.3)	-11.3% (-24.4 to 2.0)
	Foreign body in eyes	-	-	-	-	-	-
	Foreign body in other body part	115.7 (85.3 to 140.0)	176.6 (135.3 to 229.4)	52.7% (7.9 to 108.9)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	5.8% (-25.2 to 44.8)
	Poisonings	4,477.0 (3,937.7 to 5,133.0)	2,431.7 (1,810.9 to 2,739.4)	-45.7% (-61.8 to -35.4)	0.8 (0.7 to 0.9)	0.4 (0.3 to 0.5)	-46.2% (-62.1 to -36.0)
	Poisoning by carbon monoxide	2,408.3 (1,978.6 to 2,969.5)	1,372.4 (979.7 to 1,599.2)	-43.0% (-61.2 to -29.0)	0.4 (0.4 to 0.5)	0.2 (0.2 to 0.3)	-43.5% (-61.6 to -29.7)
	Poisoning by other means	2,068.7 (1,677.1 to 2,454.9)	1,059.3 (743.0 to 1,367.6)	-48.8% (-63.0 to -35.3)	0.4 (0.3 to 0.5)	0.2 (0.1 to 0.2)	-49.3% (-63.4 to -35.9)
	Exposure to mechanical forces	9,348.8 (8,029.6 to 10,916.1)	5,517.4 (4,036.4 to 6,590.7)	-41.0% (-57.0 to -25.6)	1.7 (1.5 to 2.0)	1.0 (0.7 to 1.2)	-41.5% (-57.4 to -26.3)
	Unintentional firearm injuries	2,521.7 (1,863.4 to 3,061.6)	1,042.1 (811.3 to 1,448.0)	-58.7% (-70.0 to -36.3)	0.5 (0.3 to 0.6)	0.2 (0.1 to 0.3)	-59.1% (-70.3 to -36.9)
SDI	Other exposure to mechanical forces	6,827.1 (5,687.2 to 8,282.3)	4,475.3 (3,076.4 to 5,422.3)	-34.4% (-56.6 to -13.3)	1.3 (1.0 to 1.5)	0.8 (0.6 to 1.0)	-35.1% (-57.0 to -14.2)
Middle	Animal contact	2,592.9 (1,941.8 to 3,005.0)	1,577.7 (1,281.7 to 1,982.2)	-39.2% (-51.0 to -12.2)	0.5 (0.4 to 0.6)	0.3 (0.2 to 0.4)	-39.7% (-51.5 to -13.0)
ĕ	Venomous animal contact	2,044.8 (1,569.0 to 2,412.0)	1,369.5 (1,091.5 to 1,759.5)	-33.0% (-47.5 to -0.6)	0.4 (0.3 to 0.4)	0.2 (0.2 to 0.3)	-33.6% (-47.9 to -1.5)
	Non-venomous animal contact	548.1 (335.1 to 651.6)	208.1 (174.5 to 241.2)	-62.0% (-70.1 to -43.1)	0.1 (0.1 to 0.1)	0.0 (0.0 to 0.0)	-62.4% (-70.3 to -43.7)
	Foreign body	2,471.8 (2,319.4 to 2,659.3)	1,868.6 (1,676.2 to 2,101.4)	-24.4% (-33.2 to -15.8)	0.5 (0.4 to 0.5)	0.3 (0.3 to 0.4)	-25.1% (-33.8 to -16.6)
	Pulmonary aspiration and foreign body in airway	2,246.7 (2,112.0 to 2,425.6)	1,785.1 (1,604.4 to 2,010.8)	-20.5% (-29.5 to -11.5)	0.4 (0.4 to 0.4)	0.3 (0.3 to 0.4)	-21.3% (-30.2 to -12.3)
	Foreign body in eyes	-	-	-	-	-	-
	Foreign body in other body part	225.1 (162.3 to 269.0)	83.5 (68.0 to 109.1)	-62.9% (-72.9 to -40.4)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	-63.2% (-73.1 to -41.0)
	Poisonings	2,703.9 (2,483.2 to 3,015.6)	1,310.1 (1,140.5 to 1,436.8)	-51.6% (-61.3 to -45.0)	0.9 (0.8 to 1.0)	0.5 (0.4 to 0.6)	-42.2% (-53.8 to -34.4)
=	Poisoning by carbon monoxide	1,971.3 (1,791.8 to 2,201.0)	1,030.2 (868.6 to 1,137.0)	-47.7% (-58.1 to -40.3)	0.7 (0.6 to 0.7)	0.4 (0.3 to 0.4)	-37.7% (-50.0 to -28.8)
SDI	Poisoning by other means	732.6 (634.0 to 909.2)	279.9 (230.1 to 388.1)	-61.8% (-69.7 to -49.8)	0.2 (0.2 to 0.3)	0.1 (0.1 to 0.2)	-54.4% (-63.8 to -40.2)
High-middle	Exposure to mechanical forces	4,196.7 (3,770.5 to 5,130.2)	1,850.0 (1,527.6 to 2,080.4)	-55.9% (-66.2 to -46.8)	1.4 (1.2 to 1.7)	0.7 (0.6 to 0.8)	-47.4% (-59.7 to -36.6)
gh-n	Unintentional firearm injuries	1,199.7 (949.8 to 1,463.6)	494.3 (348.9 to 595.2)	-58.8% (-68.3 to -48.1)	0.4 (0.3 to 0.5)	0.2 (0.1 to 0.2)	-50.9% (-62.2 to -38.1)
Ī	Other exposure to mechanical forces	2,997.1 (2,631.8 to 3,839.1)	1,355.6 (1,120.2 to 1,524.1)	-54.8% (-67.0 to -44.3)	1.0 (0.9 to 1.3)	0.5 (0.4 to 0.6)	-46.1% (-60.6 to -33.6)
	_ Animal contact	495.7 (388.9 to 579.4)	220.5 (181.0 to 284.4)	-55.5% (-65.8 to -37.1)	0.2 (0.1 to 0.2)	0.1 (0.1 to 0.1)	-47.0% (-59.2 to -24.9)

	Venomous animal contact	341.9 (263.1 to 415.1)	180.3 (142.2 to 237.0)	-47.3% (-61.3 to -23.6)	0.1 (0.1 to 0.1)	0.1 (0.1 to 0.1)	-37.1% (-53.9 to -8.9)
	Non-venomous animal contact	153.9 (109.0 to 183.3)	40.2 (35.7 to 46.8)	-73.9% (-79.2 to -60.2)	0.1 (0.0 to 0.1)	0.0 (0.0 to 0.0)	-68.9% (-75.2 to -52.6)
	Foreign body	1,470.6 (1,418.5 to 1,537.6)	949.0 (880.1 to 1,015.1)	-35.5% (-40.5 to -30.6)	0.5 (0.5 to 0.5)	0.4 (0.3 to 0.4)	-23.0% (-29.0 to -17.2)
	Pulmonary aspiration and foreign body in airway	1,377.8 (1,325.7 to 1,442.0)	915.8 (849.9 to 978.5)	-33.5% (-38.6 to -28.7)	0.5 (0.4 to 0.5)	0.4 (0.3 to 0.4)	-20.7% (-26.7 to -14.9)
	Foreign body in eyes	-	-	-	-	-	-
	Foreign body in other body part	92.8 (71.9 to 110.0)	33.2 (28.3 to 42.3)	-64.2% (-72.8 to -46.4)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	-57.3% (-67.6 to -36.1)
	Poisonings	888.8 (793.6 to 950.8)	332.1 (310.0 to 354.1)	-62.6% (-66.1 to -58.0)	0.5 (0.4 to 0.5)	0.2 (0.2 to 0.2)	-61.0% (-64.6 to -56.2)
High SDI HIG	Poisoning by carbon monoxide	587.8 (496.7 to 652.0)	233.0 (216.2 to 249.9)	-60.4% (-65.2 to -53.8)	0.3 (0.3 to 0.4)	0.1 (0.1 to 0.1)	-58.6% (-63.7 to -51.7)
	Poisoning by other means Exposure to mechanical forces	301.0 (273.9 to 375.6)	99.1 (91.4 to 106.8)	-67.1% (-73.0 to -63.0)	0.2 (0.1 to 0.2)	0.1 (0.1 to 0.1)	-65.6% (-71.8 to -61.4)
		2,414.4 (2,302.0 to 2,603.5)	723.1 (647.9 to 813.6)	-70.0% (-74.0 to -65.9)	1.3 (1.3 to 1.4)	0.4 (0.4 to 0.5)	-68.7% (-72.8 to -64.4)
	Unintentional firearm injuries Other exposure to mechanical forces	928.4 (721.7 to 1,041.4)	266.7 (231.4 to 331.3)	-71.3% (-76.1 to -63.4)	0.5 (0.4 to 0.6)	0.2 (0.1 to 0.2)	-70.0% (-75.0 to -61.8)
		1,486.0 (1,383.1 to 1,690.0)	456.5 (389.7 to 529.9)	-69.3% (-74.3 to -63.5)	0.8 (0.8 to 0.9)	0.3 (0.2 to 0.3)	-67.9% (-73.1 to -61.8)
igh	Animal contact	37.6 (35.0 to 40.6)	28.2 (26.3 to 30.1)	-25.1% (-31.6 to -17.1)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	-21.8% (-28.6 to -13.4)
工	Venomous animal contact	17.7 (15.7 to 20.1)	13.1 (11.8 to 14.6)	-25.7% (-36.2 to -12.3)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	-22.4% (-33.4 to -8.4)
	Non-venomous animal contact	19.9 (19.0 to 20.9)	15.0 (14.3 to 15.7)	-24.6% (-29.4 to -19.5)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	-21.2% (-26.2 to -15.9)
	Foreign body	788.3 (754.7 to 811.9)	394.8 (377.5 to 415.3)	-49.9% (-52.5 to -46.0)	0.4 (0.4 to 0.4)	0.2 (0.2 to 0.2)	-47.7% (-50.3 to -43.6)
	Pulmonary aspiration and foreign body in airway	765.0 (734.4 to 787.4)	377.7 (361.1 to 397.3)	-50.6% (-53.1 to -46.8)	0.4 (0.4 to 0.4)	0.2 (0.2 to 0.2)	-48.4% (-51.0 to -44.4)
	Foreign body in eyes	-	-	-	-	-	-
	Foreign body in other body part	23.3 (20.5 to 25.5)	17.1 (15.8 to 18.5)	-26.4% (-34.8 to -13.3)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.0)	-23.1% (-31.9 to -9.4)

Table S13: Level 4 breakdown of select unintentional injury mechanisms for adolescents 10-24 years, total DALYs and DALYs per 100,000 population, 1990 and 2019 and percentage change by SDI

DALYs (in thousands)

		DALYs (in thousands) 1990	DALYs (in thousands) 2019	DALYs % change	DALYs/100,000 in 1990	DALYs/100,000 in 2019	DALYs per 100,000 % change
	Poisonings	978.7 (873.9 to 1,109.4)	696.8 (597.9 to 779.9)	-28.8% (-39.1 to -19.8)	63.2 (56.4 to 71.6)	37.4 (32.1 to 41.9)	-40.8% (-49.3 to -33.3)
	Poisoning by carbon monoxide	481.2 (401.6 to 565.8)	355.5 (275.6 to 412.2)	-26.1% (-42.0 to -13.9)	31.1 (25.9 to 36.5)	19.1 (14.8 to 22.1)	-38.5% (-51.7 to -28.4)
	Poisoning by other means	497.5 (425.0 to 580.8)	341.3 (291.8 to 411.2)	-31.4% (-39.8 to -21.5)	32.1 (27.4 to 37.5)	18.3 (15.7 to 22.1)	-42.9% (-49.9 to -34.7)
	Exposure to mechanical forces	2,328.7 (2,010.3 to 2,733.4)	1,811.5 (1,482.2 to 2,188.8)	-22.2% (-32.5 to -12.5)	150.3 (129.8 to 176.5)	97.3 (79.6 to 117.6)	-35.3% (-43.9 to -27.2)
	Unintentional firearm injuries	520.5 (419.7 to 610.0)	334.0 (270.8 to 425.1)	-35.8% (-47.2 to -17.0)	33.6 (27.1 to 39.4)	17.9 (14.5 to 22.8)	-46.6% (-56.0 to -30.9)
	Other exposure to mechanical forces	1,808.3 (1,525.6 to 2,188.6)	1,477.5 (1,182.1 to 1,848.3)	-18.3% (-30.6 to -7.6)	116.7 (98.5 to 141.3)	79.4 (63.5 to 99.3)	-32.0% (-42.3 to -23.2)
Global	Animal contact	1,314.7 (893.6 to 1,560.2)	1,112.8 (787.4 to 1,385.3)	-15.4% (-30.4 to 19.9)	84.9 (57.7 to 100.7)	59.8 (42.3 to 74.4)	-29.6% (-42.1 to -0.2)
<u>છ</u>	Venomous animal contact	1,118.7 (736.3 to 1,350.6)	930.8 (620.7 to 1,174.4)	-16.8% (-33.1 to 22.4)	72.2 (47.5 to 87.2)	50.0 (33.3 to 63.1)	-30.8% (-44.4 to 1.8)
	Non-venomous animal contact	196.0 (149.8 to 245.6)	182.0 (145.1 to 231.0)	-7.1% (-19.6 to 16.2)	12.7 (9.7 to 15.9)	9.8 (7.8 to 12.4)	-22.8% (-33.1 to -3.4)
	Foreign body	764.6 (665.4 to 909.3)	765.2 (644.5 to 923.0)	0.1% (-6.8 to 6.6)	49.4 (43.0 to 58.7)	41.1 (34.6 to 49.6)	-16.7% (-22.5 to -11.3)
	Pulmonary aspiration and foreign body						
	in airway	484.9 (458.7 to 518.3)	461.2 (420.3 to 510.4)	-4.9% (-13.7 to 3.5)	31.3 (29.6 to 33.5)	24.8 (22.6 to 27.4)	-20.9% (-28.2 to -13.9)
	Foreign body in eyes	93.8 (33.0 to 201.1)	98.0 (34.8 to 208.6)	4.5% (-3.2 to 16.6)	6.1 (2.1 to 13.0)	5.3 (1.9 to 11.2)	-13.1% (-19.5 to -3.0)
	Foreign body in other body part	185.8 (142.7 to 241.2)	206.0 (156.7 to 268.7)	10.9% (3.1 to 18.6)	12.0 (9.2 to 15.6)	11.1 (8.4 to 14.4)	-7.8% (-14.2 to -1.4)
	Poisonings	117.8 (93.6 to 144.9)	163.8 (137.0 to 203.9)	39.1% (14.5 to 82.1)	71.9 (57.1 to 88.5)	44.1 (36.9 to 54.9)	-38.7% (-49.5 to -19.7)
	Poisoning by carbon monoxide	34.5 (22.5 to 51.4)	68.4 (51.3 to 95.3)	98.1% (42.7 to 183.4)	21.1 (13.7 to 31.4)	18.4 (13.8 to 25.6)	-12.6% (-37.1 to 25.0)
	Poisoning by other means	83.2 (60.8 to 102.1)	95.4 (75.6 to 120.3)	14.6% (-8.7 to 56.3)	50.8 (37.1 to 62.3)	25.7 (20.3 to 32.4)	-49.4% (-59.7 to -31.0)
	Exposure to mechanical forces	209.3 (172.9 to 258.0)	364.7 (290.5 to 464.7)	74.2% (48.0 to 128.0)	127.7 (105.5 to 157.5)	98.2 (78.2 to 125.1)	-23.1% (-34.7 to 0.5)
	Unintentional firearm injuries	65.7 (50.6 to 86.5)	95.9 (68.0 to 145.0)	45.9% (4.1 to 121.1)	40.1 (30.9 to 52.8)	25.8 (18.3 to 39.0)	-35.6% (-54.1 to -2.5)
	Other exposure to mechanical forces	143.6 (111.9 to 186.8)	268.8 (207.8 to 340.6)	87.2% (57.0 to 130.8)	87.6 (68.3 to 114.0)	72.4 (55.9 to 91.7)	-17.4% (-30.8 to 1.8)
Low SDI	Animal contact	268.4 (163.8 to 348.0)	317.8 (219.2 to 423.7)	18.4% (-12.9 to 80.2)	163.8 (100.0 to 212.4)	85.6 (59.0 to 114.1)	-47.8% (-61.6 to -20.5)
δ	Venomous animal contact	222.3 (124.4 to 299.6)	238.3 (153.5 to 328.6)	7.2% (-24.6 to 71.9)	135.7 (75.9 to 182.9)	64.2 (41.3 to 88.5)	-52.7% (-66.7 to -24.2)
_	Non-venomous animal contact	46.1 (32.0 to 60.6)	79.5 (60.8 to 107.5)	72.5% (30.6 to 143.4)	28.1 (19.5 to 37.0)	21.4 (16.4 to 28.9)	-23.9% (-42.4 to 7.4)
	Foreign body	103.6 (88.4 to 122.5)	213.7 (175.9 to 256.4)	106.2% (81.1 to 131.5)	63.2 (53.9 to 74.8)	57.5 (47.4 to 69.0)	-9.0% (-20.1 to 2.1)
	Pulmonary aspiration and foreign body				0.4.4.(00.4		
	in airway	55.9 (47.6 to 65.5)	113.6 (95.6 to 134.3)	103.3% (70.0 to 143.4)	34.1 (29.1 to 40.0)	30.6 (25.7 to 36.2)	-10.3% (-25.0 to 7.3)
	Foreign body in eyes	8.2 (3.0 to 17.0)	18.3 (6.6 to 38.1)	123.9% (121.9 to 126.2)	5.0 (1.8 to 10.4)	4.9 (1.8 to 10.2)	-1.3% (-2.1 to -0.2)
	Foreign body in other body part	39.6 (30.8 to 49.9)	81.8 (62.6 to 105.3)	106.7% (85.3 to 128.2)	24.1 (18.8 to 30.5)	22.0 (16.8 to 28.4)	-8.8% (-18.3 to 0.6)
	Poisonings	219.8 (180.0 to 267.9)	193.0 (161.9 to 223.0)	-12.2% (-31.1 to 4.2)	62.1 (50.9 to 75.7)	37.8 (31.7 to 43.7)	-39.1% (-52.2 to -27.7)
_	Poisoning by carbon monoxide	84.5 (57.7 to 114.3)	91.6 (63.9 to 114.0)	8.5% (-21.5 to 44.7)	23.9 (16.3 to 32.3)	18.0 (12.5 to 22.3)	-24.8% (-45.6 to 0.3)
SD	Poisoning by other means	135.4 (109.2 to 165.6)	101.3 (84.9 to 126.7)	-25.2% (-38.9 to -7.0)	38.3 (30.9 to 46.8)	19.9 (16.6 to 24.8)	-48.1% (-57.6 to -35.5)
<u>e</u>	Exposure to mechanical forces	460.3 (388.6 to 545.4)	463.2 (388.3 to 548.0)	0.6% (-13.3 to 15.8)	130.1 (109.8 to 154.1)	90.7 (76.1 to 107.4)	-30.2% (-39.9 to -19.7)
je	Unintentional firearm injuries	102.7 (78.1 to 129.8)	93.0 (74.2 to 119.1)	-9.5% (-30.3 to 26.5)	29.0 (22.1 to 36.7)	18.2 (14.5 to 23.3)	-37.3% (-51.6 to -12.3)
-ow-middle SDI	Other exposure to mechanical forces	357.5 (293.7 to 433.6)	370.2 (303.9 to 442.4)	3.5% (-11.2 to 20.3)	101.0 (83.0 to 122.5)	72.5 (59.5 to 86.7)	-28.2% (-38.5 to -16.6)
Lov	Animal contact	744.4 (478.4 to 899.5)	606.9 (381.7 to 766.1)	-18.5% (-34.1 to 20.2)	210.4 (135.2 to 254.2)	118.9 (74.8 to 150.1)	-43.5% (-54.3 to -16.7)
	Venomous animal contact	683.2 (426.2 to 833.0)	550.6 (327.7 to 701.1)	-19.4% (-36.1 to 21.3)	193.1 (120.4 to 235.4)	107.9 (64.2 to 137.4)	-44.1% (-55.7 to -15.9)

	Non-venomous animal contact	61.1 (44.2 to 78.2)	56.2 (44.2 to 71.8)	-8.0% (-23.9 to 21.9)	17.3 (12.5 to 22.1)	11.0 (8.7 to 14.1)	-36.2% (-47.3 to -15.5)
	Foreign body	154.3 (131.0 to 185.4)	199.0 (164.7 to 243.1)	28.9% (16.1 to 40.5)	43.6 (37.0 to 52.4)	39.0 (32.3 to 47.6)	-10.6% (-19.5 to -2.6)
	Pulmonary aspiration and foreign body	,	,	,	,	,	,
	in airway	95.0 (86.6 to 104.5)	116.7 (102.8 to 133.6)	22.8% (6.2 to 39.5)	26.8 (24.5 to 29.5)	22.9 (20.1 to 26.2)	-14.8% (-26.4 to -3.3)
	Foreign body in eyes	20.1 (7.0 to 42.8)	28.3 (9.9 to 60.5)	40.7% (35.0 to 47.4)	5.7 (2.0 to 12.1)	5.5 (1.9 to 11.9)	-2.4% (-6.4 to 2.2)
	Foreign body in other body part	39.2 (29.8 to 51.2)	54.0 (41.7 to 70.5)	37.7% (26.7 to 49.2)	11.1 (8.4 to 14.5)	10.6 (8.2 to 13.8)	-4.5% (-12.2 to 3.4)
	Poisonings	337.6 (299.3 to 387.8)	189.8 (148.7 to 212.1)	-43.8% (-58.6 to -34.1)	62.0 (55.0 to 71.2)	34.5 (27.1 to 38.6)	-44.3% (-59.0 to -34.7)
	Poisoning by carbon monoxide	175.1 (145.4 to 213.4)	101.4 (74.0 to 117.3)	-42.1% (-60.3 to -28.8)	32.2 (26.7 to 39.2)	18.4 (13.5 to 21.3)	-42.7% (-60.6 to -29.4)
	Poisoning by other means	162.5 (136.1 to 192.3)	88.4 (68.4 to 109.9)	-45.6% (-57.9 to -33.4)	29.8 (25.0 to 35.3)	16.1 (12.4 to 20.0)	-46.1% (-58.3 to -34.0)
	Exposure to mechanical forces	817.6 (706.2 to 953.1)	543.5 (423.0 to 654.7)	-33.5% (-48.1 to -21.2)	150.2 (129.7 to 175.1)	98.9 (77.0 to 119.1)	-34.1% (-48.6 to -22.0)
	Unintentional firearm injuries	190.9 (145.4 to 227.9)	83.9 (66.6 to 113.3)	-56.0% (-66.8 to -35.6)	35.1 (26.7 to 41.9)	15.3 (12.1 to 20.6)	-56.4% (-67.1 to -36.2)
SDI	Other exposure to mechanical forces	626.7 (528.9 to 752.7)	459.6 (343.8 to 561.1)	-26.7% (-45.6 to -10.9)	115.1 (97.2 to 138.3)	83.6 (62.6 to 102.1)	-27.3% (-46.1 to -11.7)
<u>e</u>	Animal contact	229.7 (181.7 to 264.1)	145.5 (120.7 to 176.5)	-36.7% (-46.8 to -15.8)	42.2 (33.4 to 48.5)	26.5 (22.0 to 32.1)	-37.3% (-47.3 to -16.6)
Middle	Venomous animal contact	169.8 (133.6 to 199.3)	115.3 (95.5 to 141.8)	-32.1% (-44.6 to -4.6)	31.2 (24.5 to 36.6)	21.0 (17.4 to 25.8)	-32.7% (-45.1 to -5.5)
Σ	Non-venomous animal contact	60.0 (44.1 to 74.6)	30.2 (23.5 to 39.9)	-49.6% (-58.1 to -35.4)	11.0 (8.1 to 13.7)	5.5 (4.3 to 7.3)	-50.1% (-58.5 to -36.0)
	Foreign body	269.2 (232.4 to 324.4)	202.4 (171.0 to 245.1)	-24.8% (-30.6 to -19.0)	49.5 (42.7 to 59.6)	36.8 (31.1 to 44.6)	-25.5% (-31.3 to -19.7)
	Pulmonary aspiration and foreign body						
	in airway	170.6 (160.7 to 184.0)	132.9 (119.6 to 148.6)	-22.1% (-30.6 to -13.5)	31.3 (29.5 to 33.8)	24.2 (21.8 to 27.0)	-22.8% (-31.2 to -14.3)
	Foreign body in eyes	37.5 (12.5 to 82.3)	30.0 (10.6 to 63.6)	-20.0% (-27.6 to -5.5)	6.9 (2.3 to 15.1)	5.5 (1.9 to 11.6)	-20.7% (-28.3 to -6.3)
	Foreign body in other body part	61.2 (46.7 to 78.3)	39.6 (29.4 to 53.4)	-35.3% (-41.5 to -27.5)	11.2 (8.6 to 14.4)	7.2 (5.4 to 9.7)	-35.9% (-42.0 to -28.1)
	Poisonings	216.3 (197.0 to 244.4)	107.4 (95.9 to 118.0)	-50.3% (-58.7 to -44.5)	71.5 (65.1 to 80.8)	42.3 (37.8 to 46.5)	-40.8% (-50.8 to -33.8)
	Poisoning by carbon monoxide	143.0 (130.7 to 158.7)	75.4 (64.6 to 82.9)	-47.3% (-57.3 to -40.2)	47.3 (43.2 to 52.4)	29.7 (25.5 to 32.7)	-37.1% (-49.0 to -28.7)
	Poisoning by other means	73.3 (62.2 to 89.6)	32.0 (26.0 to 40.5)	-56.3% (-62.7 to -48.0)	24.2 (20.5 to 29.6)	12.6 (10.3 to 16.0) 102.9 (81.9 to	-47.9% (-55.5 to -37.9)
	Exposure to mechanical forces	508.2 (423.2 to 622.9)	261.0 (207.7 to 335.1)	-48.6% (-56.4 to -43.1)	167.9 (139.8 to 205.8)	132.1)	-38.8% (-48.0 to -32.2)
High-middle SD	Unintentional firearm injuries	91.3 (74.2 to 109.2)	39.2 (28.5 to 46.4)	-57.1% (-66.5 to -47.3)	30.2 (24.5 to 36.1)	15.4 (11.2 to 18.3)	-48.8% (-60.1 to -37.2)
<u>e</u>	Other exposure to mechanical forces	416.9 (332.6 to 527.1)	221.8 (172.7 to 295.0)	-46.8% (-55.4 to -41.2)	137.8 (109.9 to 174.2)	87.4 (68.1 to 116.2)	-36.6% (-46.8 to -29.8)
ρ <u>i</u>	Animal contact	56.9 (46.2 to 68.4)	29.1 (23.5 to 36.2)	-48.9% (-56.5 to -37.6)	18.8 (15.3 to 22.6)	11.5 (9.3 to 14.3)	-39.0% (-48.1 to -25.5)
⊢	Venomous animal contact	36.1 (28.7 to 43.9)	20.1 (16.0 to 24.8)	-44.2% (-54.0 to -28.7)	11.9 (9.5 to 14.5)	7.9 (6.3 to 9.8)	-33.5% (-45.2 to -15.0)
į	Non-venomous animal contact	20.9 (16.1 to 27.3)	9.0 (6.3 to 12.8)	-56.9% (-64.4 to -47.6)	6.9 (5.3 to 9.0)	3.5 (2.5 to 5.1)	-48.6% (-57.6 to -37.5)
	Foreign body	153.8 (134.4 to 182.0)	96.8 (83.7 to 115.3)	-37.0% (-40.6 to -33.9)	50.8 (44.4 to 60.1)	38.1 (33.0 to 45.4)	-24.9% (-29.2 to -21.1)
	Pulmonary aspiration and foreign body						
	in airway	105.4 (100.8 to 111.4)	68.3 (63.1 to 73.1)	-35.2% (-39.9 to -30.7)	34.8 (33.3 to 36.8)	26.9 (24.9 to 28.8)	-22.7% (-28.3 to -17.4)
	Foreign body in eyes	19.0 (6.4 to 41.7)	13.0 (4.5 to 28.0)	-31.8% (-36.0 to -25.1)	6.3 (2.1 to 13.8)	5.1 (1.8 to 11.0)	-18.7% (-23.6 to -10.7)
	Foreign body in other body part	29.3 (21.9 to 39.0)	15.5 (11.4 to 21.3)	-47.0% (-51.4 to -41.9)	9.7 (7.3 to 12.9)	6.1 (4.5 to 8.4)	-36.8% (-42.1 to -30.7)
	Poisonings	86.8 (76.9 to 98.8)	42.5 (35.2 to 51.4)	-51.1% (-56.0 to -45.1)	47.3 (41.9 to 53.9)	24.2 (20.1 to 29.3)	-48.9% (-54.0 to -42.7)
	Poisoning by carbon monoxide	44.0 (37.0 to 48.9)	18.6 (16.9 to 20.6)	-57.7% (-63.1 to -51.0)	24.0 (20.2 to 26.6)	10.6 (9.6 to 11.7)	-55.8% (-61.4 to -48.8)
	Poisoning by other means	42.8 (33.5 to 53.7)	23.9 (17.0 to 32.4)	-44.2% (-51.9 to -38.7)	23.3 (18.3 to 29.3)	13.6 (9.7 to 18.5) 101.0 (73.8 to	-41.7% (-49.8 to -36.0)
เร	Exposure to mechanical forces	331.9 (268.4 to 423.7)	177.3 (129.5 to 250.8)	-46.6% (-52.6 to -40.5)	181.0 (146.4 to 231.1)	142.9)	-44.2% (-50.5 to -37.8)
High SDI	Unintentional firearm injuries	69.3 (54.3 to 77.0)	21.3 (18.5 to 25.8)	-69.2% (-73.9 to -61.5)	37.8 (29.6 to 42.0)	12.1 (10.6 to 14.7)	-67.9% (-72.8 to -59.8)
Т	Other exposure to mechanical forces	262.6 (201.7 to 356.2)	156.0 (109.0 to 228.3)	-40.6% (-47.0 to -34.5)	143.2 (110.0 to 194.3)	88.9 (62.1 to 130.0)	-37.9% (-44.7 to -31.6)
	Animal contact	14.9 (10.2 to 20.6)	13.2 (8.9 to 18.4)	-11.6% (-14.1 to -9.7)	8.1 (5.6 to 11.2)	7.5 (5.1 to 10.5)	-7.7% (-10.2 to -5.7)
	Venomous animal contact	7.1 (4.9 to 9.8)	6.3 (4.3 to 8.6)	-12.1% (-15.7 to -8.9)	3.9 (2.7 to 5.3)	3.6 (2.4 to 4.9)	-8.2% (-11.9 to -4.8)
	V STISTITIONS WITHINGT OUTRAGE	7.1 (4.5 to 5.0)	0.0 (7.0 10 0.0)	-12.170 (-13.1 to -0.3)	0.0 (2.1 10 0.0)	J.U (2.7 10 4.3)	5.270 (-11.3 to -4.0)

Non-venomous animal contact	7.8 (5.1 to 12.1)	6.9 (4.4 to 10.8)	-11.2% (-13.7 to -9.3)	4.2 (2.8 to 6.6)	3.9 (2.5 to 6.2)	-7.3% (-9.9 to -5.2)
Foreign body	83.1 (73.0 to 98.0)	52.8 (43.6 to 66.6)	-36.5% (-40.8 to -31.5)	45.3 (39.8 to 53.4)	30.1 (24.8 to 37.9)	-33.6% (-38.2 to -28.5)
Pulmonary aspiration and foreign body						
in airway	57.7 (55.4 to 59.7)	29.4 (27.8 to 31.0)	-49.1% (-51.5 to -45.4)	31.5 (30.2 to 32.5)	16.7 (15.9 to 17.7)	-46.8% (-49.4 to -43.0)
Foreign body in eyes	9.0 (3.3 to 19.1)	8.4 (3.1 to 17.8)	-6.4% (-8.5 to -4.1)	4.9 (1.8 to 10.4)	4.8 (1.8 to 10.2)	-2.2% (-4.5 to 0.1)
Foreign body in other body part	16.4 (11.7 to 23.0)	15.0 (10.5 to 21.3)	-8.5% (-10.7 to -6.4)	8.9 (6.4 to 12.6)	8.6 (6.0 to 12.1)	-4.4% (-6.7 to -2.2)

Figure S1: Percentage change in transport injury DALYs per 100,000 population in adolescents from 1990 to 2019

increase of 0-10%

increase of 10-20%

■ increase of 20-30%

increase of 30-40%

■ increase of 40-50%

■ increase of >=50%

decrease of 20-30%

decrease of 10-20%

decrease of 0-10%

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decrease of 40-50%

decrease of 30-40%

decrease >=50%

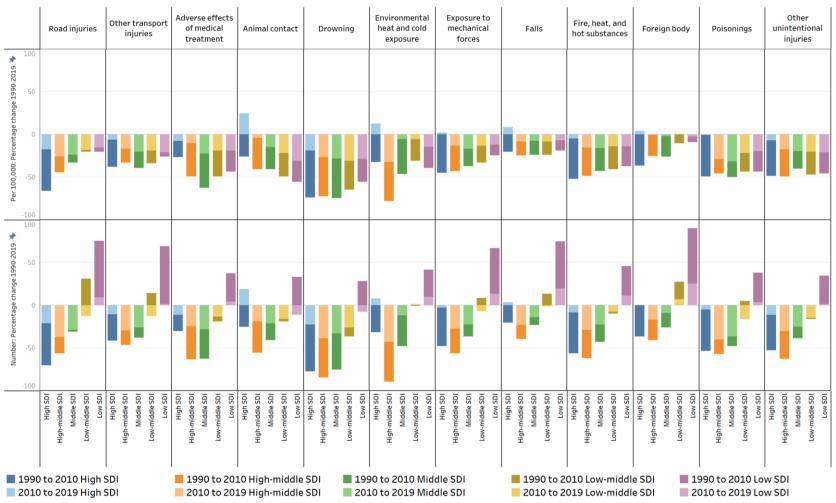
Figure S2: Percentage change in transport injury and unintentional injury fatality rates in adolescents per 100,000 population overall and by sex and SDI, between 1990-2010 and 2010-2019

		Both		Fem	ale	Male		
		1990 to 2010	2010 to 2019	1990 to 2010	2010 to 2019	1990 to 2010	2010 to 2019	
	Global	-17.0 (-26.0 to -11.9)	-20.9 (-26.4 to -15.7)	-23.8 (-28.4 to -19.0)	-22.9 (-28.7 to -17.4)	-15.4 (-27.1 to -9.5)	-20.5 (-26.3 to -14.8)	
	High SDI	-48.8 (-50.2 to -47.3)	-17.4 (-22.0 to -13.5)	-47.3 (-48.8 to -45.7)	-13.1 (-17.4 to -9.0)	-49.5 (-51.0 to -47.8)	-18.7 (-24.1 to -14.2)	
ransport injuries	High-middle SDI	-18.2 (-28.7 to -12.2)	-26.3 (-32.1 to -20.7)	-14.4 (-21.3 to -7.5)	-30.9 (-36.4 to -24.9)	-19.8 (-32.5 to -12.5)	-25.7 (-32.5 to -19.2)	
Transport	Middle SDI	-10.6 (-22.0 to -3.4)	-23.8 (-30.3 to -17.5)	-20.6 (-27.6 to -12.3)	-30.0 (-36.9 to -23.3)	-8.2 (-22.9 to 0.7)	-22.8 (-30.0 to -15.9)	
	Low-middle SDI	-6.0 (-17.8 to 3.0)	-17.2 (-24.5 to -9.4)	-20.8 (-29.4 to -12.9)	-17.2 (-26.2 to -8.2)	-1.9 (-17.3 to 8.5)	-16.9 (-25.0 to -8.0)	
	Low SDI	-5.6 (-15.3 to 6.8)	-15.7 (-24.0 to -6.4)	-16.9 (-27.9 to -4.1)	-15.5 (-26.0 to -5.3)	-1.6 (-12.2 to 12.7)	-15.6 (-24.4 to -5.8)	
	Global	-8.1 (-13.2 to -2.2)	-43.1 (-47.2 to -38.3)	-0.5 (-9.3 to 11.8)	-44.9 (-51.3 to -36.6)	-11.3 (-17.2 to -5.3)	-42.5 (-46.7 to -37.8)	
	High SDI	-50.7 (-53.9 to -47.1)	-18.3 (-22.8 to -13.3)	-46.8 (-50.1 to -43.2)	-15.6 (-20.6 to -9.7)	-51.9 (-55.5 to -47.8)	-19.0 (-23.8 to -13.7)	
nal injuries	High-middle SDI	-33.0 (-38.9 to -27.9)	-27.5 (-32.6 to -22.4)	-26.9 (-35.1 to -19.4)	-27.4 (-33.8 to -20.2)	-35.0 (-40.8 to -29.5)	-28.1 (-33.9 to -21.9)	
Unintentio	Middle SDI	-39.4 (-44.7 to -34.5)	-25.6 (-31.0 to -19.8)	-42.4 (-49.3 to -34.6)	-25.5 (-33.8 to -15.3)	-38.7 (-44.2 to -33.0)	-26.0 (-32.5 to -19.5)	
	Low-middle SDI	-26.1 (-31.9 to -18.4)	-23.5 (-29.5 to -16.4)	-29.2 (-38.5 to -14.9)	-20.2 (-30.9 to -7.6)	-24.8 (-32.9 to -17.0)	-24.8 (-32.2 to -17.5)	
	Low SDI	146.0 (115.3 to 189.2)	-75.0 (-78.5 to -71.0)	150.2 (107.7 to 203.9)	-77.2 (-81.1 to -72.0)	143.9 (106.0 to 201.7)	-73.9 (-77.6 to -69.7)	
		decrease >=20	% decrease of	10-20% decrease	e of 0-10% increa	ase of 0-10% Inc	rease of >=20%	

Figure S3: Percentage change in transport injury and unintentional injury disability adjusted life year (DALY) rates per 100,000 population overall and by sex and SDI, between 1990-2010 and 2010-2019

	Both		Fen	nale	Male		
	1990 to 2010	2010 to 2019	1990 to 2010	2010 to 2019	1990 to 2010	2010 to 2019	
Global	-15.9 (-24.3 to -11.2)	-20.7 (-25.7 to -15.9)	-22.1 (-26.5 to -17.8)	-21.7 (-26.8 to -16.9)	-14.3 (-25.6 to -8.7)	-20.4 (-25.8 to -15.1)	
High SDI	-48.5 (-49.7 to -47.1)	-16.7 (-20.9 to -12.9)	-46.7 (-48.2 to -45.1)	-11.5 (-15.4 to -7.7)	-49.2 (-50.7 to -47.6)	-18.4 (-23.5 to -14.1)	
ransport injuries Middle 2DI High-middle 2DI	-18.2 (-28.1 to -12.6)	-25.4 (-30.8 to -20.1)	-15.0 (-21.1 to -9.0)	-28.7 (-33.7 to -23.5)	-19.8 (-31.9 to -12.8)	-25.0 (-31.5 to -18.9)	
Transport Middle SDI	-10.2 (-21.1 to -3.4)	-23.6 (-29.7 to -17.5)	-19.7 (-26.2 to -12.3)	-28.6 (-34.7 to -22.6)	-7.8 (-21.8 to 0.6)	-22.7 (-29.5 to -16.1)	
Low-middle SDI		-18.2 (-24.6 to -11.6)	-17.3 (-25.0 to -10.1)	-18.1 (-25.4 to -10.7)	0.2 (-14.0 to 10.0)	-18.0 (-25.2 to -10.3)	
Low SDI		-15.7 (-23.2 to -7.1)	-16.0 (-25.9 to -4.7)	-14.9 (-24.2 to -6.0)		-15.8 (-23.9 to -6.7)	
Global	-10.5 (-14.8 to -6.2)	-35.8 (-39.9 to -31.7)	-5.7 (-12.0 to 2.7)	-33.6 (-39.6 to -27.2)	-12.9 (-18.0 to -7.8)	-36.9 (-41.1 to -32.9)	
High SDI	-38.8 (-42.3 to -35.5)	-0.2 (-4.5 to 3.6)	-32.1 (-35.2 to -29.5)	8.7 (4.6 to 11.5)	-41.6 (-45.3 to -38.1)	-4.1 (-8.6 to -0.1)	
High-middle SDI	-31.2 (-35.9 to -27.2)	-19.2 (-23.7 to -14.8)	-25.1 (-30.6 to -20.5)	-13.1 (-18.3 to -8.1)	-33.6 (-38.4 to -29.0)	-21.8 (-26.7 to -16.7)	
Unintentional Middle SDI	-36.8 (-41.3 to -32.6)	-20.4 (-25.2 to -15.6)	-37.3 (-43.0 to -30.8)	-17.0 (-23.7 to -9.7)	-36.9 (-42.1 to -31.9)	-22.2 (-27.7 to -16.5)	
Low-middle SDI	-25.0 (-30.0 to -18.4)	-20.1 (-25.6 to -14.3)	-27.6 (-35.2 to -16.2)	-15.5 (-23.9 to -5.8)	-23.8 (-30.9 to -16.9)	-22.4 (-28.8 to -15.9)	
Low SDI	119.3 (94.7 to 152.3)	-69.8 (-73.4 to -65.8)	112.7 (83.3 to 147.9)	-69.6 (-73.8 to -64.5)	123.0 (92.6 to 170.3)	-69.9 (-73.6 to -65.8)	
	decrease >=20	decrease of	10-20% decrease	e of 0-10% increa	ase of 0-10%	rease of >=20%	

Figure S4: The percentage change in DALYs per 100,000 population from 1990 to 2019 for each injury mechanism by SDI group



^{*} Excludes exposure to forces of nature due to extreme fluctuations

Figure S5: Transport injury DALY rates per 100,000 population, 1990 vs 2019 by sex and country (coloured according to SDI), adolescents 10-24 years

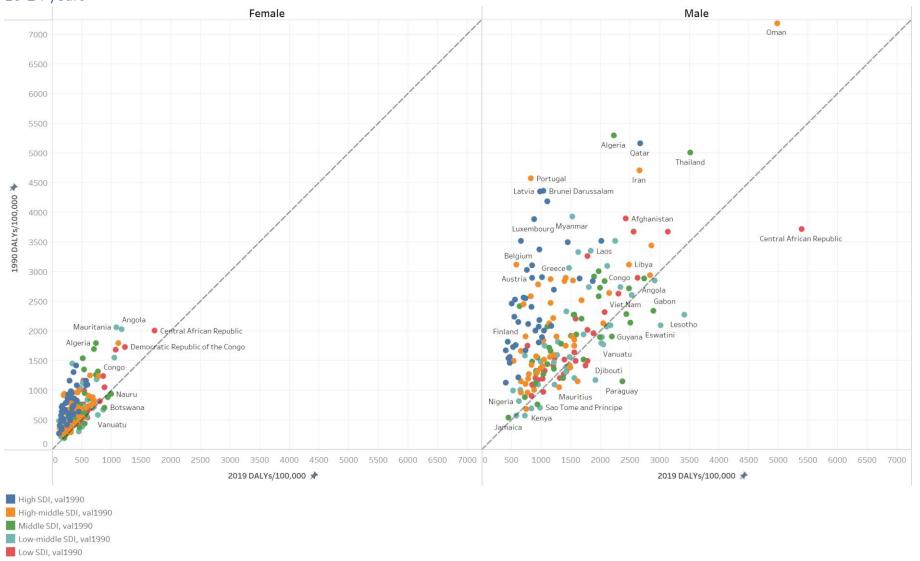


Figure S6: Heatmap of transport injury DALYs and deaths rates and percentage change 1990-2019 by country, adolescents 10-24 years

		DALYs (Disability-Adju	sted Life Years)				Deaths		
		Transport inju	ries	Road injuries	Other transport injuries		Transport in	juries	Road injuries	Other transpor
	DALYs/100,0 1990	000 DALYS/100,0 2019	00 % change, 1 to 2019	1990 % change, 1990 to 2019	% change, 1990 to 2019	Deaths/100 1990	0,000 Deaths/100 2019	,000 % change, 1 to 2019	990 % change, 1990 to 2019	% change, 199 to 2019
Afghanistan	2,451.26	1,505.78	-39%	-38%	-56%	33.81	20.89	-38%	-37%	-59%
Albania	879.10	767.97	-13%	-15%	18%	10.87	9.57	-12%	-15%	29%
Algeria	3,573.54	1,501.54			-32%	48.79	20.69			-34%
American Samoa	819.25	578.97	-29%	-28%	-41%	11.24	7.91	-30%	-28%	-42%
Andorra	1,335.70	721.40	-46%	-46%	-39%	18.39	9.79	-47%	-47%	-41%
Angola	2,439.19	2,025.65	-17%	-15%	-47%	33.17	27.79	-16%	-15%	-48%
Antigua and Barbuda	660.53	512.10	-22%	-26%	57%	8.68	6.72	-23%	-26%	76%
Argentina	924.41	965.28	4%	9%	-36%	12.33	13.17	7%	12%	-36%
Armenia	665.53	406.06	-39%	-41%	29%	8.58	5.16	-40%	-42%	45%
Australia	1,752.16	517.39	-70%	-71%	-68%	24.42	6.95	-72%	-72%	-71%
Austria	1,937.64	505.41	-74%	-75%	-39%	27.01	6.72	-75%	-76%	-40%
Azerbaijan	707.78	424.31	-40%	-39%	-53%	9.13	5.35	-41%	-40%	-63%
Bahamas	1,444.82	1,374.49	-5%	-37%	495%	19.68	18.91	-4%	-38%	541%
Bahrain	1,767.17	1,037.20	-41%	-39%	-76%	23.96	14.23	-41%	-38%	-80%
Bangladesh	689.24	560.78	-19%	-17%	-29%	8.23	6.29	-24%	-22%	-31%
Barbados	949.99	592.27	-38%	-38%	-5%	12.66	7.76	-39%	-39%	-2%
Belarus	1,779.05	661.36	-63%	-63%	-13%	23.50	8.30	-65%	-65%	-13%
Belgium	2,041.94	567.35	-72%	-74%	8%	28.55	7.67	-73%	-74%	9%
Belize	1,293.05	1,254.97	-3%	-7%	91%	17.19	17.17	-0%	-5%	113%
Benin	1,019.73	838.47	-18%	-16%	-33%	13.21	10.78	-18%	-17%	-34%
Bermuda	1,272.76	563.28	-56%	-58%	8%	17.22	7.20	-58%	-60%	11%
Bhutan	887.72	634.54	-29%	-28%	-39%	10.97	7.48	-32%	-31%	-42%
Bolivia	1,259,47	707.61	-44%	-45%	-15%	16.90	9.61	-43%	-45%	-12%
	1,259.47 484.02	476.49				5.06	5.11			
Bosnia and Herzegovina			-2%	-2%	5%			1%	-0%	14%
Botswana	1,672.53	1,686.14	1%	1%	-7%	23.01	23.17	1%	1%	-6%
Brazil	1,666.23	1,232.92	-26%	-25%	-47%	22.83	17.11	-25%	-24%	-46%
Brunei Darussalam	2,651.70	747.61	-72%	-72%	-71%	37.43	10.30	-72%	-73%	-72%
Bulgaria	1,324.98	857.19	-35%	-34%	-49%	16.79	10.62	-37%	-35%	-50%
Burkina Faso	1,096.85	1,127.93	3%	4%	-8%	14.46	14.85	3%	4%	-7%
Burundi	1,465.76	1,035.71	-29%	-29%	-28%	19.00	13.36	-30%	-30%	-29%
Cabo Verde	392.21	364.92	-7%	-6%	-12%	4.85	4.52	-7%	-6%	-12%
Cambodia	2,052.83	1,311.57	-36%	-36%	-30%	28.22	18.15	-36%	-36%	-31%
Cameroon	1,270.51	1,276.93	1%	1%	-6%	16.69	16.87	1%	2%	-5%
Canada	1,647.64	613.50			-14%	22.74	8.23	-64%	-67%	-15%
Central African Republic	2,853.00	3,533.05	24%	23%	33%	39.51	49.23	25%	24%	36%
Chad	821.16	894.74	9%	9%	3%	10.61	11.51	8%	9%	4%
Chile	829.56	636.09	-23%	-22%	-39%	11.15	8.56	-23%	-22%	-40%
China	1,010.46	706.77	-30%	-27%	-63%	13.99	9.62	-31%	-29%	-67%
Colombia	1,246.14	966.92	-22%	-23%	16%	15.81	12.85	-19%	-20%	25%
Comoros	1,156.44	1,088.14	-6%	-6%	1%	14.21	13.57	-5%	-5%	4%
Congo	2,136.57	1,687.27	-21%	-20%	-41%	29.46	23.22	-21%	-20%	-43%
Cook Islands	1,930.57	899.91	-53%		-18%	26.95	12.63	-53%	-54%	-18%
Costa Rica	978.33	1,036.43	6%	2%	79%	12.83	14.10	10%	6%	90%
Côte d'Ivoire	893.34	744.08	-17%	-17%	-19%	11.49	9.43	-18%	-18%	-22%
Croatia	1,508.08	778.53	-48%	-50%	-23%	18.93	8.99	-52%	-54%	-24%
Cuba	1,686.96	478.05	-72%	-72%	-53%	22.85	6.03	-74%	-74%	-65%
Cyprus	1,765.80	1,140.19	-35%	-51%	290%	24.73	16.01	-35%	-52%	315%
Czechia	1,372.32	629.29	-54%	-55%	-45%	16.86	7.20	-57%	-59%	-46%
Denmark	1,218.11	399.52	-67%	-68%	-57%	16.54	5.22	-68%	-69%	-61%
DPR of Korea	1,655.55	1,585.48	-4%	-4%	-7%	23.45	22.57	-4%	-4%	-5%
DR of the Congo	2,705.50	2,193.56	-19%	-20%	9%	37.14	30.31	-18%	-19%	11%

		DALYs (I	Disability-Adjuste	ed Life Years)				Deaths		
		Transport inju	ries	Road injuries	Other transport injuries	t	Transport injur	ies	Road injuries	Other transport injuries
	DALYs/100,0 1990	00 DALYs/100,00 2019	00 % change, 1 99 to 2019	00 % change, 199 to 2019	0 % change, 1990 to 2019	Deaths/100,0 1990	00 Deaths/100,00 2019	00 % change, 199 to 2019	0 % change, 199 to 2019	0 % change, 1990 to 2019
Djibouti	819.59	1,287.07	57%	-6%	974%	10.08	17.06	69%	-5%	1142%
Dominica	1,388.26	1,124.97	-19%	-20%	24%	18.87	15.08	-20%	-21%	28%
Dominican Republic	1,290.21	1,318.64	2%	6%		17.29	17.92	4%	8%	-68%
Ecuador	1,351.43	1,546.13	14%	13%	62%	18.36	21.76		17%	74%
Egypt	2,206.61	1,276.51	-42%	-42%	-49%	29.61	17.45	-41%	-41%	-49%
El Salvador	1,861.32	902.15	-52%			24.80	12.12	-51%		-49%
Equatorial Guinea	2,291.35	1,399.12	-39%	-39%	-35%	31.29	19.17	-39%	-39%	-36%
Eritrea	1,116.47	988.32	-11%	-12%	-7%	14.41	12.83	-11%	-11%	-6%
Estonia	2,378.29	484.02			-71%	31.55	5.79	-82%	-82%	-73%
Eswatini	1,377.80	1,872.56			32%	18.84	26.11	39%		43%
Ethiopia	1,211.81	510.59	-58%	-58%	-56%	15.57	6.39	-59%	-59%	-60%
Fiji	925.54	662.03	-28%	-29%	-15%	12.85	9.04	-30%	-30%	-16%
Finland	1,430.75	422.32		-71%	-68%	19.42	5.41	-72%	-72%	-69%
France	1,898.90	564.71	-70%	-72%	12%	26.62	7.59	-71%	-73%	12%
Gabon	1,793.77	1,773.30	-1%	-1%	6%	24.30	24.47	1%	0%	10%
Gambia	633.01	641.53	1%	1%	1%	8.04	8.31	3%	3%	3%
Georgia	1,108.73	986.08	-11%	-14%	73%	14.90	13.33	-11%	-14%	90%
Germany	1,702.96	488.02	-71%	-73%	-38%	23.67	6.50	-73%	-74%	-40%
Ghana	1,259.37	1,273.63	1%	2%	-13%	16.62	16.77	1%	2%	-13%
Greece	1,829.73	909.38	-50%		46%	25.62	12.55	-51%		50%
Greenland	1,194.65	470.53	-61%	-58%	-65%	16.15	6.16	-62%	-59%	-65%
Grenada	834.01	622.14	-25%	-30%	49%	11.12	8.19	-26%	-31%	62%
Guam	1,198.23	599.26	-50%			16.61	8.10	-51%		-57%
Guatemala	790.85	946.18	20%	13%	289%	10.37	13.03	26%	18%	424%
Guinea	947.00	967.39	2%	3%	-5%	12.17	12.48	3%	3%	-3%
Guinea-Bissau	2,660.16	1,808.56	-32%	-32%	-39%	35.85	24.32	-32%	-32%	-39%
Guyana	1,245.75	1,379.33	11%	6%	86%	16.78	18.98	13%	7%	104%
Haiti	1,052.17	745.38	-29%	-31%	12%	13.81	9.70	-30%	-32%	19%
Honduras	1,068.82	602.23	-44%	-44%		13.96	7.79	-44%	-44%	-47%
Hungary	1,642.07	501.87		-71%		21.23	5.76	-73%	-74%	-55%
Iceland	1,395.68	380.31	-73%	-74%	-66%	19.31	4.96	-74%	-76%	-66%
India	991.47	776.95	-22%	-20%	-34%	12.47	9.65	-23%	-21%	-35%
Indonesia	1,753.66	1,196.76	-32%	-32%	-29%	23.62	16.23	-31%	-32%	-25%
Iran	3,008.68	1,675.86	-44%	-46%	20%	41.22	23.28	-44%	-45%	26%
Iraq	1,201.36	755.76	-37%	-39%	13%	16.04	10.29	-36%	-38%	19%
Ireland	1,239.88	303.55	-76%	-76%		17.02	3.86	-77%	-78%	-60%
Israel	805.44	393.70			-61%	10.82	5.14			-66%
Italy	1,621.75	544.67	-66%	-68%	27%	22.58	7.25	-68%	-69%	33%
Jamaica	361.98	333.46	-8%	-9%	15%	4.43	4.17	-6%	-8%	44%
Japan	1,053.35	272.65	-74%	-75%		14.43	3.51	-76%	-76%	-48%
Jordan	1,256.95	677.14	-46%	-47%		16.85	9.07	-46%	-47%	-41%
Kazakhstan	1,412.74	797.40	-44%	-43%	-52%	18.91	10.43	-45%	-44%	-57%
Kenya	477.54	526.21	10%	11%	1%	5.84	6.63	14%	14%	4%
Kiribati	1,269.61	1,091.03	-14%	-12%	-35%	17.91	15.41	-14%	-12%	-38%
Kuwait	1,719.50	941.28	-45%	-45%	-52%	23.34	12.73	-45%	-45%	-54%
Kyrgyzstan	1,164.77	686.33	-41%	-42%	-16%	15.56	9.05	-42%	-43%	-17%
Lao PDR	2,209.96	1,182.82	-46%	-47%	-43%	30.01	16.09	-46%	-47%	-43%
Latvia	2,865.85	680.91	-76%	-77%	-68%	38.38	8.60	-78%	-78%	-69%
Lebanon	874.44	625.81	-28%	-29%	0%	11.81	8.52	-28%	-29%	12%
Lesotho	1,456.86	2,148.93	48%	48%	29%	19.99	30.06	50%	51%	41%
Liberia	766.41	620.29	-19%	-20%	-12%	9.72	7.96	-18%	-19%	-12%

		DALYs (D	isability-Adjusted	d Life Years)				Deaths		
		Transport injuri	ies	Road injuries	Other transport injuries	t	Transport injurie	es	Road injuries	Other transport injuries
	DALYS/100,000 1990	0 DALYS/100,000 2019	0 % change, 1990 to 2019	% change, 1990 to 2019	% change, 1990 to 2019	Deaths/100,00 1990	00 Deaths/100,000 2019	% change, 1990 to 2019	% change, 1990 to 2019	% change, 1990 to 2019
Libya	2,028.61	1,607.65	-21%	-30%	432%	27.69	22.42	-19%	-29%	523%
Lithuania	2,201.60	652.00	-70%	-71%	-49%	29.02	7.93	-73%	-74%	-51%
Luxembourg	2,398.12	591.67	-75%	-76%	-47%	33.62	7.96	-76%	-77%	-50%
Madagascar	1,341.35	725.85	-46%	-46%	-43%	17.20	9.13	-47%	-47%	-46%
Malawi	964.81	729.05	-24%	-25%	-23%	12.30	9.38	-24%	-24%	-25%
Malaysia	2,071.55	1,707.63	-18%	-17%	-21%	28.51	23.62	-17%	-17%	-21%
Maldives	739.46	342.19	-54%	-55%	-30%	9.81	4.45	-55%	-56%	-32%
Mali	848.73	618.91	-27%	-27%	-31%	10.86	7.79	-28%	-28%	-34%
Malta	712.57	470.34	-34%	-45%	132%	9.71	6.27	-35%	-47%	142%
Marshall Islands	1,465.60	1,017.01	-31%	-31%	-27%	20.92	14.26	-32%	-32%	-29%
Mauritania	2,691.65	1,353.60	-50%		-72%	36.38	17.86	-51%		-75%
Mauritius	670.47	762.10	14%	10%	186%	8.71	10.18	17%	13%	458%
Mexico	1,432.07	981.75	-31%	-32%	-8%	19.02	13.22	-31%	-32%	-3%
Micronesia	1,387.88	1,231.52	-11%	-12%	-4%	19.35	17.45	-10%	-10%	-2%
Monaco	1,130.36	615.94	-46%	-47%	-13%	15.49	8.19	-47%		-14%
Mongolia	796.40	922.44	16%	30%	-64%	10.27	12.15	18%	34%	-67%
Montenegro	889.03	661.95	-26%	-25%	-38%	10.96	7.88	-28%	-27%	-40%
Morocco	2,121.88	1,354.96	-36%	-37%	-12%	28.87	18.54	-36%	-36%	-10%
Mozambique	967.30	1,032.12	7%	7%	2%	11.94	13.20	11%	11%	7%
Myanmar	2,691.88	932.32	-65%	-65%	-68%	37.49	12.82	-66%	-65%	-70%
Namibia	1,240.74	1,230.30	-1%	-1%	-0%	16.90	16.83	-0%	-0%	2%
Nauru	1,919.30	1,889.43	-2%	-2%	9%	27.15	26.80	-1%	-2%	10%
Nepal	715.45	512.37	-28%	-27%	-39%	9.10	6.33	-30%	-29%	-42%
Netherlands	1,107.44	332.20		-71%		14.96	4.23	-72%		-46%
New Zealand	2,824.01	762.39	-73%	-74%	-62%	39.69	10.35	-74%	-75%	-63%
Nicaragua	759.56	739.70	-3%	-4%	32%	9.50	9.82	3%	1%	41%
Niger	919.73	727.36	-21%	-24%	2%	11.86	9.39	-21%	-24%	6%
Nigeria	542.60	411.55	-24%	-24%	-25%	6.83	5.04	-26%	-26%	-29%
Niue	1,190.35	992.63	-17%	-17%	-9%	16.64	13.78	-17%	-18%	-9%
North Macedonia	689.50	595.61	-14%	-20%	107%	7.93	6.95	-12%	-20%	140%
Northern Mariana Islands	1,258.20	688.48	-45%	-43%	-65%	17.62	9.45	-46%	-44%	-69%
Norway	991.62	312.43	-68%	-66%	-79%	13.51	4.02	-70%	-68%	-80%
Oman	4,798.17	3,337.90	-30%	-30%	-21%	66.70	47.13	-29%	-29%	-23%
Pakistan	443.94	590.72	33%	42%	-21%	5.34	7.05	32%	41%	-24%
Palau	1,298.84	1,106.69	-15%	-16%	-7%	18.30	15.65	-14%	-16%	-6%
Palestine	892.32	508.01	-43%	-44%	-22%	11.94	6.75	-43%	-44%	-26%
Panama	1,368.70	726.03	-47%	-48%	37%	18.34	9.60	-48%	-49%	57%
Papua New Guinea	1,667.31	1,466.38	-12%	-13%	-8%	23.16	20.39	-12%	-13%	-7%
Paraguay	792.85	1,481.35	87%	88%		10.47	20.61	97%	97%	75%
Peru	1,029.32	662.37	-36%	-32%	-61%	14.00	9.07	-35%	-31%	-62%
Philippines	1,002.16	635.28	-37%	-36%	-41%	13.60	8.56	-37%	-36%	-43%
Poland	1,581.10	783.32	-50%			20.19	9.66	-52%	-52%	-57%
Portugal	2,780.57	521.99	-81%	-82%	-50%	38.94	7.17	-82%	-83%	-51%
Puerto Rico	1,327.63	736.32	-45%	-46%	34%	17.78	9.87	-44%	-46%	55%
Qatar	3,567.36	2,071.86	-42%	-42%	-33%	49.20	29.21	-41%	-41%	-32%
Republic of Korea	1,658.04	377.08	-77%	-77%	-81%	22.75	4.94	-78%	-78%	-85%
Republic of Moldova	1,846.21	739.33	-60%	-61%	-49%	24.40	9.32	-62%	-62%	-51%
Romania	1,102.13	784.73	-29%	-27%	-39%	13.88	9.98	-28%	-26%	-40%
Russian Federation	1,894.23	1,088.68	-43%	-45%	-9%	24.43	14.05	-42%	-45%	-8%
Rwanda	2,187.21	1,145.92	-48%	-48%	-46%	28.56	14.81	-48%	-48%	-47%
Saint Kitts and Nevis	921.12	611.16	-34%	-37%	41%	12.16	7.80	-36%	-40%	56%

Part			DALYs (Dis	sability-Adjusted	Life Years)				Deaths		
1990 2019 10 2019 10 2019 10 2019 10 2019 10 2019 10 2019 10 2019 10 2019 10 2019 10 2019 10 2019			Transport injurie	es	Road injuries			Transport injurie	s	Road injuries	Other transport injuries
Samoa 1,108,34 98,02 15% 16% 46% 50% 15,38 13,10 15% 15% 16% 64% Sao Tome and Principe 40,00 508,78 27% 29% 15% 56.2 7.70 37% 39% 29% 25% 25% 24% 29% 15% 56.2 7.70 37% 39% 29% 25% 25% 24% 24% 25% 24				_	-				-	-	
San Marino 1,188,84 664,08 44% 46% 50% 16,09 8,89 45% 46% 64% 500 Tome and Principe 40,00 508,73 27% 29% 15% 50.20 77.0 37% 39% 25% 50.00 40.00 15% 50.00 15% 50.00 15% 50.00 17% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11.00 11% 50.00 11% 50.00 11% 50.00 11.00 11	Saint Lucia	1,199.52	877.09	-27%	-31%	78%	16.15	11.81	-27%	-31%	97%
San Marino 1,188,84 664,08 44% 46% 50% 16,09 8,89 45% 46% 64% 500 Tome and Principe 40,00 508,73 27% 29% 15% 50.20 77.0 37% 39% 25% 50.00 40.00 15% 50.00 15% 50.00 15% 50.00 17% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11% 50.00 11.00 11% 50.00 11.00 11% 50.00 11% 50.00 11% 50.00 11.00 11	Samoa	1,109.34	938.02	-15%	-16%	-6%	15.38	13.10	-15%	-15%	-4%
Sand Arable 756.69 1,923.01 1,15% 1,19% 55% 29,74 27.30 85% 95% 1,15% 1,18% 1,	San Marino	1,188.84	664.08	-44%	-46%	50%		8.89	-45%	-46%	64%
Senegal 136.63 686.17 1.4% 1.4% 1.47% 10.17 8.78 1.4% 1.3% 1.8% Scychelles 1.70.31 329.89 62% 62% 66% 1.71.5 6.02 65% 64% 36% 31% 1.85% 1.85% 1.85% 31.55 1.4% 36% 35% 1.5% 35% 1.5% 7.7% 0.6 64% 35% 1.80 1.28 1.4% 35% 1.5% 7.7% 0.6 64% -64% 38% 0.72 3.26 66% 67% 42% 1.77 0.6 65% -67% 42% 1.77 0.6 65% -67% 42% 1.77 0.6 65% -67% 42% 1.77 0.6 66% -77% 42% 1.0 55% 66% 66% 22% 1.2 1.7 1.4 42% 42% 1.2 1.0 1.0 1.0 42% 42% 42% 22.5 20.0 1.0 4.0<	Sao Tome and Principe	470.90	598.78	27%	29%	15%	5.62	7.70	37%	39%	25%
Schala 1,379.38 20.09 6.6% 6.6% 17.15 6.02 6.6% 6.4% 6.6% 3.5% 1.5% 3.63 1.35 4.1% 3.6% 3.5% 3.5% 3.5% 3.5% 3.5% 3.5% 3.5% 3.5% 3.6% 3.5% 4.5% 3.0% 3.0% 3.0% 3.6% 4.5% 4.7% 3.0% 6.7% 4.6% 4.0% 5.7% 4.2% 1.0% 6.6% 6.9% 2.50 7.9% 6.6% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 2.50 7.9% 6.9% 6.9% 2.50 7.9% 6.9% 6.9% 7.0% 6.0% 6.9% 7.0% 6.0% 6.0% 6.0% 6.0% 2.50 7.9% 6.0% 6.0% 6.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0%	Saudi Arabia	2,157.69	1,923.01	-11%	-11%	5%	29.74	27.30	-8%	-9%	11%
Schala 1,379.38 20.09 6.6% 6.6% 17.15 6.02 6.6% 6.4% 6.6% 3.5% 1.5% 3.63 1.35 4.1% 3.6% 3.5% 3.5% 3.5% 3.5% 3.5% 3.5% 3.5% 3.5% 3.6% 3.5% 4.5% 3.0% 3.0% 3.0% 3.6% 4.5% 4.7% 3.0% 6.7% 4.6% 4.0% 5.7% 4.2% 1.0% 6.6% 6.9% 2.50 7.9% 6.6% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 6.9% 2.50 7.9% 6.9% 6.9% 2.50 7.9% 6.9% 6.9% 7.0% 6.0% 6.9% 7.0% 6.0% 6.0% 6.0% 6.0% 2.50 7.9% 6.0% 6.0% 6.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0% 6.0% 7.0%	Senegal	796.63	686.17	-14%	-14%	-17%	10.17	8.78	-14%	-13%	-18%
Serral cone 1,004,98 96,76 2% 1.9% -9% 1.9% -9% 3.90 1.2,88 1.9% -19% -7% Strongapore 71,49 262,64 -6.5% -6.5% -6.5% -4.26% 17.97 8.04 -5.5% -5.7% -4.26% 17.97 -6.0% -7.94 -6.0% -7.0% -2.15% -7.25% -2.25%			520.89	-62%	-62%	-66%	17.15	6.02	-65%	-64%	-69%
Serral cone 1,004,98 96,76 2% 1.9% -9% 1.9% -9% 3.90 1.2,88 1.9% -19% -7% Strongapore 71,49 262,64 -6.5% -6.5% -6.5% -4.26% 17.97 8.04 -5.5% -5.7% -4.26% 17.97 -6.0% -7.94 -6.0% -7.0% -2.15% -7.25% -2.25%	Seychelles	717.91	987.87	38%	33%	185%	9.63	13.56	41%	36%	351%
Singapore	•										
Slovenia 1,414.19 670.75 5-33% 5-54% 4-2% 17.97 8.04 5-59% 5.75% 4-2½ 5.00m 1,414.20		714.49	262.64	-63%	-64%	-38%	9.73	3.26	-66%	-67%	-46%
Soloman 1,947,002 667.38 6586 6586 20% 25.01 2.00 7.94 6.686 7.096 2.196 2.196 2.196 2.196 2.196 2.196 2.196 2.196 2.196 2.196 2.196 2.196 2.197 2.196 2.196 2.196 2.196 2.196 2.196 2.196 2.197 2.196 2.1	• .					-42%					
Solomo S					-66%				-68%		
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United Arab Emirates United Kingdom United Kingdom United Republic of Tanzania United States of America United States of America United States of America United States of Samerica United States of Samerica United States Virgin Islands United States Virgin Virgin Islands United States Virgin Islands United States Virgin Virgin Islands United States Virgin Islands	Uganda	792.18	870.64	10%	12%	-5%	9.97	11.15	12%	14%	-4%
United Kingdom United Republic of Tanzania United Republic of Tanzania United States of America United States of America United States Virgin Islands Uruguay 903.76 974.19 -296 -496 -5296 -32	Ukraine	1,709.03	1,420.99	-17%	-20%	344%	22.68	18.93	-17%	-20%	597%
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United States of America United States of America United States Virgin Islands 1,914.94 909.75 -52% -54% -32% 26.26 12.39 -53% -54% -32% United States Virgin Islands 1,366.64 542.84 -60% -62% -34% 18.06 6.97 -61% -63% -35% Uruguay 993.96 974.19 -2% -4% 46% 13.34 13.33 -0% -3% 53% Uzbekistan 783.51 682.57 -13% -14% 10% 10.29 8.86 -14% -15% 17% Vanuatu 1,191.58 1,412.60 19% 18% 27% 16.64 19.93 20% 19% 33% Venezuela 1,865.46 1,507.69 -19% -23% 63% 24.78 20.53 -17% -21% 73% Viet Nam 1,439.95 1,507.97 5% 4% 17% 19.73 20.73 5% 4% 21% Vemen 2,008.04 1,777.68 -11% -12% 27% 26.89 24.36 -9% -10% 36% Zambia 949.68 861.62 -9% -8% -21% 12.26 11.37 -7% -5% -21%	United Kingdom	1,116.31	346.41	-69%		-47%	15.29	4.56		-71%	-51%
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Venezuela 1,865.46 1,507.69 -19% -23% 63% 24.78 20.53 -17% -21% 73% Viet Nam 1,439.95 1,507.97 5% 4% 17% 19.73 20.73 5% 4% 21% Yemen 2,008.04 1,777.68 -11% -12% 27% 26.89 24.36 -9% -10% 36% Zambia 949.68 861.62 -9% -8% -21% 12.26 11.37 -7% -5% -21%	Uzbekistan	783.51	682.57	-13%	-14%	10%	10.29	8.86	-14%	-15%	17%
Venezuela 1,865.46 1,507.69 -19% -23% 63% 24.78 20.53 -17% -21% 73% Viet Nam 1,439.95 1,507.97 5% 4% 17% 19.73 20.73 5% 4% 21% Yemen 2,008.04 1,777.68 -11% -12% 27% 26.89 24.36 -9% -10% 36% Zambia 949.68 861.62 -9% -8% -21% 12.26 11.37 -7% -5% -21%	Vanuatu	1,191.58	1,412.60	19%	18%	27%	16.64	19.93	20%	19%	33%
Viet Nam 1,439.95 1,507.97 5% 4% 17% 19.73 20.73 5% 4% 21% Yemen 2,008.04 1,777.68 -11% -12% 27% 26.89 24.36 -9% -10% 36% Zambia 949.68 861.62 -9% -8% -21% 12.26 11.37 -7% -5% -21%		1,865.46						20.53			
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Figure S7: Percentage change in unintentional injury DALYs per 100,000 population from 1990 to 2019

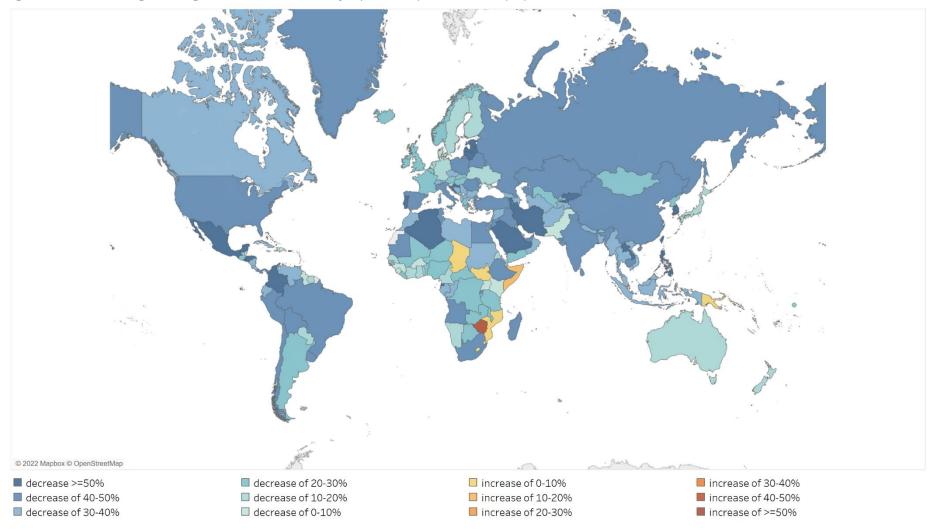


Figure S8: Heatmap of unintentional injury mechanism death rates and percentage change 1990-2019 by country, adolescents 10-24 years

	Unintentional injuries	Unintentional injuries	Unintentional injuries	A d		Percentage o			o 2019, for me	chanisms of Unite	ntional injury		Other
	Deaths/100,000 1990	Deaths/100,000 2019	% change, 1990 to 2019	Adverse effects of medical treatment	Animal contact	Drowning	Environmental heat and cold exposure	Exposure to mechanical forces	Falls	Fire, heat, and hot substances	Foreign body	Poisonings	unintentional injuries
Afghanistan	26.42	15.76	-40%	-55%	-12%	-47%	-75%	-23%	-27%	-40%	-25%	-44%	-49%
Albania	13.41	8.08	-40%	21%	-68%	-67%	-9%	-56%	11%	-44%	-9%	-2%	-60%
Algeria	19.35	7.80	-60%	-68%	-65%	-70%	-56%	-46%	-44%	-67%	-49%	-59%	-59%
American Samoa	17.66	14.62	-17%	-17%	11%	-15%	-35%	-34%	4%	-13%	1%	-40%	-36%
Andorra	2.76	1.68	-39%	-40%	-4%	-47%	-34%	-41%	-34%	-47%	-37%	-45%	-49%
Angola	11.92	6.44	-46%	-53%	-57%	-49%	-60%	-48%	-22%	-41%	-26%	-50%	-58%
Antigua and Barbuda	15.98	13.24	-17%	-29%	319%	-26%	-18%	7%	19%	-47%	-32%	-81%	-20%
Argentina	12.77	7.95	-38%	-38%	177%	-59%	14%	-19%	-37%	-35%	-39%	-27%	-22%
Armenia	20.43	6.21	-70%	0%	-25%	-80%	-79%	-54%	-73%	-83%	-28%	-78%	-55%
Australia	4.56	2.00	-56%	-16%	-28%	-55%	-53%	-68%	-22%	-70%	-48%	-60%	-80%
Austria	5.51	2.52	-54%	37%	-23%	-65%	-33%	-71%	-54%	-60%	-18%	-29%	-67%
Azerbaijan	15.65	9.66	-38%	-19%	-11%	-54%				-24%	3%	-44%	-6%
Bahamas	13.15	21.46	63%	-19%	232%		-25%	-6%	6%	-37%	-30%	-74%	-22%
Bahrain	7.51	4.71	-37%	-60%	-49%	-57%	-36%	-5%	-27%		-25%	-57%	-24%
Bangladesh	13.67	8.25	-40%	-56%			-3%	-55%	302%	-44%	90%	-6%	-63%
Barbados	11.38	6.69	-41%	-36%	7%	-44%	-48%	-9%	-14%	-54%		-85%	-28%
Belarus	21.08	9.92	-53%	-18%	-34%	-63%	-55%	-48%	-27%	-34%	-18%	-59%	-56%
Belgium	4.73	1.96	-59%	-65%	9%		-38%	-57%	-48%	-59%	21%	-79%	-68%
Belize	14.33	13.88	-3%	-12%	468%	-5%	13%	18%	55%	-33%	-20%	-77%	5%
Benin	8.97	6.75	-25%	-30%	-1%	-36%	-13%	-29%	-17%	-17%	-10%		-31%
Bermuda	9.41	4.45	-53%	-51%	78%	-53%	-50%	-40%	-29%	-55%	-56%	-90%	
Bhutan	13.85	10.46	-24%	-41%	-31%	-34%	-42%	-31%	47%	-14%	-19%	-26%	-12%
Bolivia	19.63	10.27	-48%	-58%	23%	-54%	-50%		-27%	-57%	-49%	-62%	-57%
Bosnia and Herzegovina	13.16	4.99	-62%	-80%	7%	-19%	627%	-88%	0%	-24%	8%	-94%	-4%
Botswana	16.37	12.68	-23%	-26%	-23%	-20%	-43%	-35%	-11%	-16%	5%	-21%	-33%
Brazil	14.98	6.97	-53%	-32%	-44%	-59%	-52%	-12%	-53%	-60%	-15%	-50%	-63%
Brunei Darussalam	17.95	6.50	-64%	-44%	-54%	-69%	-63%	-48%	-48%		-45%		
Bulgaria	16.71	7.66	-54%	22%	-21%	-54%	-13%	-22%	-40%	-48%	-49%	-70%	-78%
Burkina Faso	7.24	6.71	-7%	-14%	-13%	-10%	-12%	-6%	7%	-2%	3%	-9%	-14%
Burundi	14.79	9.61	-35%	-33%	-37%	-36%	-35%	-25%	-34%	-34%	-32%	-39%	-45%
Cabo Verde	6.48	9.13	41%	-34%	1,216%	89%	257%	-24%	-5%	13%	276%	52%	-30%
Cambodia	24.82	13.20	-47%	-58%		-55%	-40%	-41%	-17%	-59%	-35%	-51%	-57%
Cameroon	7.45	6.83	-8%	-23%	2%	-19%	-5%	-16%	1%	-1%	12%	-11%	-20%
Canada	5.89	2.60	-56%	-47%	-30%	-52%	-52%	-65%	-30%	-69%	-47%	-51%	-77%
Central African Republic	15.55	11.93	-23%	-30%	-14%	-23%	-29%	-24%	-23%	-22%	-12%	-22%	
Chad	9.19	9.21	0%	-15%	40%	-8%	20%	-11%	11%	8%	12%	0%	-9%
Chile	11.21	4.41	-61%	-58%	-47%	-45%	-71%	-45%	-43%	-73%	-89%	-65%	-60%
China	16.86	8.70	-48%	-78%	-85%	-58%	-84%		-23%		-18%	-18%	-15%
Colombia	15.17	5.52	-64%	-41%		-58%	-70%	-65%	-57%	-77%	-39%	-82%	-76%
Comoros	7.86	7.16	-9%	-28%		-27%	-28%	-14%	-11%	-18%	6%	-26%	-33%
Congo	9.59	5.14	-46%	-52%	-34%	-49%	-62%	-49%	-36%	-43%	-35%	-47%	-54%
Cook Islands	8.96	3.79	-58%	-38%	-52%	-60%		-42%	-24%	-43%			-46%
Costa Rica	9.83	5.99	-39%	-46%	-8%	-50%	64%	-34%	-8%	-35%	-57%	151%	-14%
Côte d'Ivoire	8.85	6.80	-23%	-31%	-20%	-30%	-10%	-25%	-13%	-22%	-10%	-24%	-28%
Croatia	13.26	2.80	-79%	15%	-19%	-56%	-61%	-55%	-27%	-62%	-35%	-71%	-98%
Cuba	12.20	5.40	-56%	-67%	-40%	-54%	-29%	-60%	-46%	-79%	-68%	-77%	-46%
Cyprus	4.37	2.60	-41%	-38%	-16%	-48%	-49%	-56%	-29%	-42%	-2%	-29%	-45%
Czechia	9.81	3.20	-67%	78%	-38%	-68%	-14%	-63%	-58%	-67%	-55%	-78%	-83%
Denmark	2.63	1.19	-55%	39%	67%	-51%	-4%	-61%	-54%	-50%	4%	-19%	-91%
DPR of Korea	19.01	14.03	-26%	-48%	-42%	-38%	-34%	-5%	-5%	-40%	-3%	-14%	-1%
	8.55	6.36	-26%	-35%	-17%	-33%	-36%	-16%	-14%	-26%	-7%	-24%	-36%

	Unintentional injuries	Unintentional injuries	Unintentional injuries			Percentage	change in deaths/	100,000, 1990	to 2019, for me	echanisms of Unite	ntional injury		
	Deaths/100,000 1990	Deaths/100,000 2019	,	Adverse effects of medical treatment	Animal contact	Drowning	Environmental heat and cold exposure	Exposure to mechanical forces	Falls	Fire, heat, and hot substances	Foreign body	Poisonings	Other unintentional injuries
Djibouti	7.78	6.80	-13%	-30.8%	12.9%	-15.5%	-32.6%	-16.3%	3.9%	-11.4%	12.7%	-13.3%	-22.8%
Dominica	16.97	12.78	-25%	-21.1%	252.4%	-16.6%	-16.4%	2.6%	5.8%	-25.5%	-27.4%	-76.9%	-3.7%
Dominican Republic	10.16	9.57	-6%	-12.3%	2.3%	-6.6%	-40.2%	9.8%	-0.2%	-24.0%	3.9%	-23.7%	-9.6%
Ecuador	17.03	10.50	-38%	-52.6%	653.8%	-41.9%	17.3%	-46.2%	-19.2%	-37.7%	-33.0%	-51.3%	-49.2%
Egypt	10.42	5.15	-51%	-63.8%	-51.2%	-54.8%	-57.8%	-43.3%	-32.3%	-52.1%	-35.5%	-59.0%	-53.6%
El Salvador	15.90	6.62	-58%	-75.0%	108.9%	-12.9%	-7.4%	-72.4%	-50.6%	-63.6%	-87.0%	-86.5%	-82.9%
Equatorial Guinea	13.28	3.95	-70%	-78.9%	-76.8%	-75.5%	-81.0%	-72.3%	-49.0%	-64.6%	-46.0%	-72.9%	-73.8%
Eritrea	12.08	9.65	-20%	-30.0%	-13.5%	-25.7%	-35.7%	-17.9%	-6.0%	-18.5%	5.4%	-21.0%	-27.6%
Estonia	26.17	5.19	-80%	-66.4%	-20.0%	-85.6%	-78.0%	-68.9%	-70.6%	-78.9%	-64.4%	-91.2%	-89.6%
Eswatini	15.03	16.02	7%	-8.4%	8.5%	3.8%	8.4%	1.9%	33.8%	12.3%	34.6%	-7.2%	-4.2%
Ethiopia	16.50	7.27	-56%	-64.3%	-54.7%	-67.1%	-57.4%	-43.2%	-49.7%	-52.6%	-38.4%	-63.2%	-57.0%
- Fiji	18.57	14.67	-21%	-31.9%	-32.0%	-20.7%	-44.9%	-29.4%	-3.5%	-20.9%	2.7%	-45.3%	-39.1%
Finland	4.58	2.07	-55%	-33.3%	-58.2%	-57.3%	24.5%	-54.1%	-54.7%	-59.5%	-34.1%	-66.3%	-87.9%
France	6.08	2.58	-58%	-72.8%	-46.0%	-49.5%	253.5%	-65.2%	-56.9%	-67.8%	-61.6%	-61.8%	-71.3%
Gabon	8.61	5.15	-40%	-51.2%	-31.5%	-48.5%	-53.5%	-39.5%	-33.6%	-33.7%	-22.6%	-40.5%	-46.1%
Gambia	6.82	6.08	-11%	-22.7%	-20.7%	-20.3%	5.0%	-11.0%	2.4%	0.8%	17.5%	-12.2%	-20.5%
Georgia	20.72	11.00	-47%	190.8%	14.2%	-78.1%	-21.7%	20.1%	-15.5%	-64.0%	49.4%	-74.1%	18.5%
Germany	3.86	1.62	-58%	1.6%	-10.9%	-54.7%	-52.7%	-57.9%	-58.8%	-69.3%	-49.2%	-54.6%	-73.0%
Ghana	7.25	5.77	-20%	-24.0%	-26.5%	-26.2%	-30.4%	-17.7%	-0.8%	-16.4%	5.7%	-22.4%	-34.6%
Greece	5.71	2.66	-53%	-29.8%	14.2%	-37.6%	-44.3%	-36.4%	-60.0%	-62.7%	-72.4%	-59.6%	-75.6%
Greenland	17.42	9.71	-44%	-45.8%	-54.3%	-48.6%	-39.7%	-42.7%	-18.7%	-58.2%	-30.7%	-60.9%	-49.5%
Grenada	17.33	12.84	-26%	-39.8%	336.0%	-33.5%	-7.5%	7.0%	26.7%	-47.3%	-21.6%	-87.4%	-17.3%
Guam	10.53	5.88	-44%	-2.5%	23.2%	-49.1%	-65.4%	-65.4%	-19.5%	-18.1%	-15.9%	-69.1%	-50.1%
Guatemala	24.20	17.66	-27%	-74.7%	79.1%	-48.0%	312.6%	153.4%	-30.6%	-64.1%	-58.1%	12.4%	-26.1%
Guinea	9.68	9.00	-7%	-18.8%	20.7%	-17.6%	3.8%	-5.3%	1.2%	0.7%	7.6%	-7.1%	-17.9%
Guinea-Bissau	14.94	9.79	-34%	-39.6%	-20.8%	-44.3%	-21.7%	-33.5%	-28.1%	-27.6%	-22.3%	-36.0%	-39.9%
Guyana	20.99	18.97	-10%	-11.3%	333.0%	12.3%	-28.5%	17.7%	0.8%	-40.0%	-29.8%	-76.7%	-41.7%
Haiti	33.05	19.86	-40%	-39.0%	6.1%	-44.0%	-42.5%	-24.2%	-27.2%	-49.6%	-47.2%	-50.0%	-43.9%
Honduras	20.71	7.54	-64%	-63.2%	-72.5%	-67.8%	-65.0%	-59.8%	-49.5%	-67.2%	-60.5%	-68.9%	-64.8%
Hungary	7.82	2.74	-65%	-45.6%	-33.8%	-66.9%	-40.5%	-58.0%	-67.7%	-71.6%	-48.8%	-73.6%	-68.7%
Iceland	4.78	1.77	-63%	-40.1%	-31.9%	-69.1%	-65.8%	-73.0%	-47.5%	-71.8%	-43.3%	-64.3%	-72.4%
India	21.24	11.54	-46%	-47.7%	-48.8%	-51.1%	-60.1%	-47.6%	-25.2%	-38.4%	-36.2%	-53.9%	-50.0%
Indonesia	10.48	5.51	-47%	-53.5%	-40.8%	-52.7%	8.7%	-50.0%	-32.0%	-43.5%	-62.0%	-14.7%	-62.6%
Iran	70.31	9.50	-86%	-70.0%	-53.9%	-65.3%	-21.7%	-18.3%	-30.0%	-68.8%	-11.9%	-55.1%	-39.1%
Iraq	39.10	19.17	-51%	-52.2%	-72.3%	-54.7%	-86.4%	-46.3%	-49.0%	-51.3%	-35.0%	-48.8%	-56.5%
Ireland	5.08	1.97	-61%	-18.4%	-20.5%	-63.9%	-60.2%	-71.3%	-40.8%	-73.0%	-57.3%	-52.5%	-74.9%
Israel	4.87	1.94	-60%	-74.9%	-12.4%	-64.5%	-36.3%	-73.3%	-35.7%	-48.4%	-45.3%	-56.1%	-59.3%
Italy	4.95	1.82	-63%	-30.3%	-19.1%	-54.3%	-53.8%	-70.5%	-57.9%	-63.0%	-54.9%	-84.0%	-76.8%
Jamaica	3.53	3.56	1%	133.6%	45.1%	-46.1%	34.6%	84.7%	49.7%	-20.6%	-74.2%	-33.7%	-41.5%
Japan	2.99	1.71	-43%	35.8%	-11.5%	-40.1%	-2.4%	-68.3%	-35.7%	-61.0%	-8.4%	-58.1%	-61.3%
Jordan	12.62	5.42	- 4 3% -57%	-65.9%	-11.5% -47.5%	-40.8%	-59.6%	-65.9%	-41.9%	-57.2%	-38.2%	-58.1% -65.9%	-59.5%
Kazakhstan	23.20	10.77	-54%	-40.5%	-39.4%	-60.4%	-64.3%	-46.4%	-43.7%	-66.4%	-27.6%	-48.4%	-38.0%
Kenya	6.34	6.01	-5%	-22.0%	5.8%	-9.3%	-7.0%	0.0%	10.1%	-5.3%	19.1%	5.9%	-13.8%
	15.21	11.72		-30.1%	-32.4%	-9.5%	27.6%	-26.3%	-13.1%	-6.6%	-16.8%	-23.0%	-29.8%
Kiribati	6.75	3.01	-23% -55%	-30.1%	-32.4% -57.6%	-23.9% -71.9%	-40.2%	-26.3% -63.5%	-13.1%	-6.6%	-16.8%	-23.0%	-29.8% -69.2%
Kuwait	19.64	6.28	-55% -68%		-43.6%	-71.9% -74.7%	-40.2% -51.7%		-27.5% -65.4%		-67.9% -40.6%	-56.1% -66.2%	
Kyrgyzstan Lao PDR	27.52	12.60	-68% -54%	-21.1% -61.4%	-43.6% -54.3%	-74.7%	-51.7% -61.1%	-36.7% -48.3%	-65.4%	-73.6% -62.5%	-40.6%		-61.3% -42.8%
												-67.5%	
Latvia	26.62	7.59	-71%	-9.8%	-14.0%	-75.3%	-66.4%	-64.9%	-67.8%	-69.6%	-51.5%	-83.9%	-61.5%
Lebanon	11.28	6.17	-45%	-57.0%	-47.6%	-50.0%	-45.4%	-31.7%	-25.1%	-62.3%	-15.8%	-38.5%	-41.6%
Lesotho	17.34	18.02	4%	-0.8%	9.1%	6.1%	15.6%	-0.3%	36.9%	24.0%	46.5%	4.0%	2.4%
Liberia	8.90	6.50	-27%	-31.5%	-11.3%	-42.5%	-18.1%	-23.7%	-27.1%	17.2%	-17.3%	-28.8%	-39.1%

	Unintentional injuries	Unintentional injuries	Unintentional injuries			Percentage	change in deaths/		o 2019, for me	chanisms of Unite	ntional injury		
	Deaths/100,000	Deaths/100,000 2019	% change, 1990 to 2019	Adverse effects of medical treatment	Animal contact	Drowning	Environmental heat and cold exposure	Exposure to mechanical forces	Falls	Fire, heat, and hot substances	Foreign body	Poisonings	Other unintentional injuries
Libya	11.46	7.00	-39%	-52.1%	-44.0%	-50.9%	-40.0%	-27.0%	-26.0%	-46.2%	-12.2%	-29.8%	-39.3%
Lithuania	22.11	7.30	-67%	-3.5%	-52.6%	-74.6%	-43.7%	-59.2%	-57.8%	-75.7%	-24.3%	-52.5%	-72.4%
Luxembourg	7.33	2.56	-65%	-52.2%	-45.7%	-64.1%	-64.1%	-69.6%	-54.6%	-69.0%	-45.0%	-79.6%	-80.4%
Madagascar	13.74	6.69	-51%	-54.8%	-50.8%	-56.5%	-50.4%	-42.1%	-46.3%	-51.6%	-41.1%	-53.6%	-57.3%
Malawi	9.96	6.92	-31%	-43.9%	-39.9%	-37.8%	-36.5%	-26.1%	-16.5%	-31.9%	-15.8%	-36.1%	-43.0%
Malaysia	10.76	6.87	-36%	-50.9%	-41.3%	-35.4%	-39.9%	-39.0%	-23.5%	-39.4%	-19.5%	-45.6%	-45.6%
Maldives	21.47	7.14	-67%	-74.9%	-78.8%	-71.5%	-56.9%	-66.1%	-36.2%	-68.7%	-66.6%	-67.8%	-66.8%
Mali	10.35	7.49	-28%	-38.9%	-32.0%	-35.6%	-39.0%	-25.7%	-9.8%	-26.0%	29.8%	-33.8%	-39.2%
Malta	4.24	2.98	-30%	-27.3%	3.1%	-24.9%	-35.3%	-32.9%	-7.8%	-39.3%	16.6%	-55.3%	-56.8%
Marshall Islands	22.96	18.07	-21%	-33.0%	-47.9%	-17.2%	-50.7%	-38.9%	-12.7%	-17.4%	19.7%	-40.6%	-28.0%
Mauritania	7.67	3.93	-49%	-54.0%	-36.7%	-54.8%	-51.8%	-49.5%	-36.8%	-42.3%	-40.5%	-51.5%	-57.6%
Mauritius	11.88	6.69	-44%	53.2%	-1.5%	-29.9%	-35.8%	-47.5%	40.2%	-79.2%	34.5%	26.3%	-52.7%
Mexico	17.18	6.82	-60%	-37.5%	-69.9%	-63.4%	-74.3%	-68.1%	-55.4%	-59.6%	-31.3%	-64.1%	-62.6%
Micronesia	20.28	19.49	-4%	-27.6%	-14.9%	0.8%	-27.2%	-26.3%	16.4%	-10.7%	31.2%	-39.3%	-3.8%
Monaco	5.63	3.58	-36%	-33.4%	-25.6%	-29.0%	-33.3%	-42.2%	-22.8%	-40.4%	16.4%	-64.0%	-55.4%
Mongolia	22.38	15.89	-29%	-34.3%	73.7%	-19.1%	-44.7%	-36.6%	25.5%	28.0%	84.3%	-73.7%	15.2%
Montenegro	8.00	4.50	-44%	-32.5%	-7.9%	-43.2%	-47.1%	-36.5%	-39.4%	-39.3%	-30.0%	-48.3%	-58.8%
Morocco	15.54	8.74	-44%	-54.5%	-38.2%	-46.6%	-59.7%	-41.5%	-25.1%	-52.5%	-22.0%	-42.3%	-49.5%
Mozambique	9.34	10.49	12%	-30.1%	-17.2%	-22.1%	-18.6%	-3.6%	10.6%	-7.5%	24.4%	-13.0%	-19.1%
Myanmar	30.26	15.69	-48%	-61.9%	-58.1%	-56.7%	-37.7%	-47.9%	-25.1%	-53.4%	-39.4%	-60.2%	-43.2%
Namibia	12.05	10.03	-17%	-27.3%	-25.2%	-17.1%	-35.8%	-18.9%	14.4%	-12.7%	4.0%	-26.6%	-24.6%
Nauru	20.28	20.09	-1%	-27.0%	-7.5%	2.0%	-28.1%	-22.0%	13.6%	-11.5%	36.2%	-26.7%	-0.1%
Nepal	19.64	12.26	-38%	-50.2%	-49.5%	-44.9%	-56.1%	-37.5%	-19.1%	-38.1%	-30.0%	-49.4%	-34.8%
Netherlands	2.22	1.00	-55%	-50.1%	-24.1%	-55.0%	-52.9%	-61.5%	-27.0%	-66.3%	-40.5%	-64.5%	-81.2%
New Zealand	6.92	3.37	-51%	-44.3%	-41.6%	-51.5%	-50.3%	-64.8%	-35.3%	-69.2%	-11.5%	-29.4%	-81.2%
Nicaragua	10.27	6.67	-35%	-53.5%	-26.0%	-27.5%	28.1%	-49.5%	-5.5%	-52.7%	-42.8%	-32.3%	-45.2%
Niger	8.91	6.79	-24%	-28.6%	-22.5%	-30.3%	-34.7%	-16.9%	-8.7%	-19.9%	-22.4%	-25.0%	-30.0%
Nigeria	6.08	4.01	-34%	-39.2%	-33.3%	-36.4%	-42.1%	-40.2%	-5.5%	-27.3%	-14.1%	-40.4%	-46.5%
Niue	14.88	12.71	-15%	-37.9%	-27.2%	-12.0%	-47.4%	-40.2%	-4.3%	-21.5%	31.3%	-36.5%	-16.9%
North Macedonia	10.30	4.04	-61%	-37.5%	-9.7%	-43.8%	-13.9%	-11.4%	41.3%	-38.2%	6.9%	-26.4%	-80.3%
Northern Mariana Islands	15.25	12.06	-21%	-63.0%	-7.1%	-8.1%	-64.4%	-56.2%	-5.8%	-2.1%	50.3%	-59.0%	-46.2%
Norway	5.20	2.13	-59%	-51.9%	22.3%	-66.4%	-46.6%	-69.0%	-53.2%	-66.4%	-49.8%	50.8%	-88.2%
Oman	14.59	8.02	-45%	-58.4%	-30.4%	-48.8%	-61.3%	-55.0%	-22.5%	-37.7%	-21.1%	-40.1%	-36.4%
Pakistan	7.77	7.35	-5%	-1.8%	17.5%	-48.8%	3.5%	-10.3%	33.1%	25.6%	81.3%	1.9%	-6.8%
Palau	31.96	26.35	-18%	-25.2%	7.8%	-20.2%	-19.4%	-10.3%	-3.6%	-22.6%	0.2%	-27.0%	-21.0%
Palestine	10.60	5.30	-50%	-59.8%	-31.5%	-60.7%	-50.4%	-53.0%	-23.6%	-59.6%	8.6%	-62.2%	-61.8%
Panama	14.13	6.44	-54%	-75.0%	-31.5%	-59.6%	-18.7%	-45.4%	-30.7%	-39.6%	-69.2%	-52.2% -54.5%	-42.6%
Papua New Guinea	11.04	11.11	1%	-24.5%	-12.7%	-5.8%	-4.8%	2.2%	19.5%	7.7%	-9.8%	0.7%	6.6%
•	9.56	8.53	-11%	-24.5%	233.0%	-12.2%	4.3%	-33.7%	14.5%	-9.7%	-37.2%	-51.8%	-3.2%
Paraguay	20.87	9.37	-55%	-65.9%	-4.0%	-59.2%	-49.4%	-33.7%	-27.8%	-63.3%	-50.4%	-61.0%	-62.4%
Peru	18.30	7.86		-33.3%	-51.9%	-39.2% -46.2%	-49.4%	-38.0% -34.5%	-27.8%	-35.8%	-17.3%	-44.4%	-62.4% -42.2%
Philippines Poland	12.66	4.30	-57%	8.3%	-60.9%	-71.8%	-44.5%	-34.5% -64.0%	-40.3%	-54.5%	-39.4%	- 44.4% -82.8%	-82.2%
		2.43	-66% 	-29.1%	-60.9%			-64.0% -84.3%					
Portugal	9.75		-75%			-77.9%	-68.9%		-71.0%	-75.2%	-37.9%	-79.7%	-86.1%
Puerto Rico	6.91	3.02	-56%	-43.8% -64.1%	22.9%	-74.3%	-35.8%	-36.5%	-9.6%	-51.9% -53.4%	-31.6%	-94.3%	-34.4%
Qatar Danublic of Koves	13.84	8.34	-40%		-55.6%	-55.7%	-68.3%		-15.4%		-38.1%	-21.4%	-37.4%
Republic of Korea	16.35	2.16	-87%	-62.2%	-52.5%	-89.7%	-77.4%	-77.5%	-77.2%	-81.6%	-85.7%	-94.6%	-94.0%
Republic of Moldova	21.97	8.67	-61%	-66.1%	-30.9%	-66.1%	-1.0%	-68.0%	-58.7%	-68.6%	-3.4%	-33.4%	-71.1%
Romania	17.79	6.99	-61%	-37.2%	-2.5%	-59.7%	-50.1%	-57.0%	-67.7%	-61.5%	-23.7%	-72.3%	-59.4%
Russian Federation	23.33	11.81	-49%	27.9%	-50.5%	-54.9%	-79.1%	-70.0%	-16.0%	-44.6%	14.3%	-17.6%	-56.6%
Rwanda	12.11	5.88	-51%	-56.3%	-53.8%	-58.2%	-59.4%	-36.2%	-39.6%	-48.5%	-44.1%	-55.8%	-59.0%
Saint Kitts and Nevis	13.89	10.29	-26%	-45.5%	201.2%	-31.4%	-15.9%	5.9%	10.1%	-54.7%	-46.3%	-84.4%	-25.1%

	Unintentional	Unintentional	Unintentional			Percentage (change in deaths/	100,000, 1990 to	o 2019, for me	chanisms of Unite	ntional injury		
	injuries Deaths/100,000	injuries Deaths/100,000	injuries	Adverse effects of medical	Animal contact	Drowning	Environmental heat and cold	Exposure to mechanical	Falls	Fire, heat, and	Foreign body	Poisonings	Other unintentional
	1990	2019	to 2019	treatment			exposure	forces		hot substances			injuries
Saint Lucia	13.04	10.19	-22%	-23%	226%	-25%	-22%	14%	11%	-47%	-36%	-80%	-24%
Samoa	18.47	11.34	-39%	-26%	-35%	-16%	-35%	-34%	-5%	-20%	15%	-45%	-17%
San Marino	2.55	2.00	-22%	-28%	-10%	-7%	-33%	-32%	-7%	-11%	4%	-32%	-42%
Sao Tome and Principe	6.60	5.44	-18%	-21%	-28%	-33%	-3%	-8%	-13%	4%	-1%	-20%	-20%
Saudi Arabia	33.59	13.71	-59%	-62%	-52%	-43%	-51%	-83%	-25%	-30%	-14%	-39%	-63%
Senegal	8.13	6.26	-23%	-30%	-24%	-31%	-28%	-17%	-7%	-20%	-11%	-23%	-33%
Serbia	8.79	2.87	-67%	-68%	-44%	-71%	-68%	-55%	-56%	-63%	-50%	-76%	-76%
Seychelles	16.89	12.60	-25%	-7%	-1%	-16%	34%		-22%	-48%	-3%	-30%	-45%
Sierra Leone	8.34	7.55	-9%	-13%	20%	-22%	-1%	-12%	-8%	-1%	6%	-8%	-20%
Singapore	4.42	1.73	-61%	-32%	-14%	-69%	-43%	-52%	-50%	-56%	-59%	-73%	-82%
Slovakia	9.54	5.30	-44%	-26%	-59%	-47%	-32%	-46%	-40%	-40%	-24%	-59%	-55%
Slovenia	5.39	2.59	-52%	17%	-36%	-57%	-73%	-51%	-44%	-58%	-34%	-66%	-76%
Solomon Islands	31.31	33.44	7%	-22%	-13%	8%	-24%	-13%	17%	-8%	13%	57%	14%
Somalia	12.27	14.29	17%	10%	33%	13%	8%	25%	19%	12%	28%	15%	2%
South Africa	12.40	6.21	-50%	-57%	-50%	-55%	-45%	-43%	-27%	-49%	-46%	-69%	-55%
South Sudan	6.77	7.34	8%	-23%	-7%	-8%	-18%	-10%	13%	35%	-6%	-16%	-22%
Spain	7.45	1.94	-74%	-55%	-42%	-72%	-71%	-80%	-67%	-78%	-59%	-77%	-90%
Sri Lanka	21.07	10.55	-50%	-54%	-83%	-40%	-62%	-59%	-34%	-50%	-28%	-77%	-56%
St Vincent & the Grenadines	14.22	12.19	-14%	-20%	369%	-18%	-9%	10%	34%	-46%	-16%	-76%	-12%
Sudan	20.09	11.91	-41%	-57%		-51%	-44%	-24%	-18%	-53%	-17%	-38%	-39%
Suriname	15.04	11.41	-24%	-30%	367%	-24%	-33%	-8%	-3%		-33%	-77%	-14%
Sweden	3.20	1.63	-49%	-1%	3%	-52%	-19%	-63%	-36%	-52%	-55%	-53%	-51%
Switzerland	6.75	2.08	-69%	-9%	58%	-65%	68%	-82%	-61%	-66%	18%	-20%	-97%
Syrian Arab Republic	10.23	5.04	-51%	-53%	-63%	-53%	-69%	-59%	-29%	-53%	-41%	-41%	-59%
Taiwan (Province of China)	19.10	3.26	-83%	34%	-36%	-85%	-26%	-74%	-57%	-84%	-54%	-93%	-94%
Tajikistan	16.50	10.07	-39%	-24%	-13%	-36%	-13%	-3%	-31%	-52%	-7%	-76%	-13%
Thailand	18.98	11.64	-39%	-51%	-60%	-49%	-26%	-58%	-17%	-22%	109%	-48%	-24%
Timor-Leste	14.07	9.77	-31%	-46%	-46%	-32%	-49%	-34%	-3%	-44%	-8%	-36%	-33%
Togo	8.17	6.54	-20%	-30%	-3%		-2%	-21%	-14%	-13%	2%	-20%	-30%
Tokelau	10.58	7.81	-26%	-43%	-37%	-26%	-45%	-37%	1%	-25%	9%	-52%	-25%
Tonga	9.65	10.01	4%	-13%	9%	23%	0%	-5%	22%	10%	94%	-2%	0%
Trinidad and Tobago	13.65	6.57	-52%	-14%	210%	-60%	-30%	-43%	-31%	-45%	-36%	-77%	-54%
Tunisia	16.26	8.77	-46%	-57%	-56%	-56%	-44%	-43%	-25%	-52%	-21%		-45%
Turkey	9.07	4.37	-52%	-66%	-80%	-49%	-60%	-41%	-37%	-44%	-44%	-46%	-72%
Turkmenistan	16.87	10.41	-38%	35%	51%	-67%	989%	75%		-56%	6%	-36%	-18%
Tuvalu	20.44	14.10	-31%	-50%	-41%	-29%		-42%	-4%	-39%	-6%	-58%	-30%
Uganda	5.95	5.74	-3%	-21%	-9%	-3%	-20%	-7%	30%	1%	30%	-6%	-19%
Ukraine	20.92	17.18	-18%	62%	30%	-37%	7%	29%	-15%	-18%	67%	-15%	17%
United Arab Emirates	16.34	8.03	-51%	-62%	-64%	-58%	-53%	-44%	-44%	-50%	-45%	-55%	-55%
United Kingdom	4.29	1.77	-59%	19%	16%	-53%	-57%	-66%	-47%	-74%	-50%	-70%	-82%
United Republic of Tanzania	8.83	5.69	-36%	-35%	-35%	-28%	-39%	-32%	-15%	-23%	-17%	-33%	-42%
United States of America	7.04	2.96	-58%	-32%	-14%	-52%	-39%	-74%	-39%	-68%	-43%	-32%	-75%
United States Virgin Islands	14.84	5.95	-60%	-61%	-15%	-60%	-70%	-52%	-54%	-64%	-59%	-78%	-63%
Uruguay	18.70	9.24	-51%	6%	209%	-58%	-15%	-58%	-20%	2%	-37%	-49%	-55%
Uzbekistan	14.77	10.13	-31%	-23%	-1%	-41%	-7%	-11%	-19%	-47%	39%	9%	-33%
Vanuatu	15.62	18.35	17%	-8%	-12%	24%	-3%	-11%	40%	12%	74%	-20%	13%
Venezuela	14.19	9.36	-34%	-68%	18%	-63%	-2%	37%	-49%	-19%	-25%	-26%	-37%
Viet Nam	19.22	11.62	-40%	-42%	-58%	-35%	-54%	-53%	4%	-36%	-27%	-62%	-48%
Yemen	13.56	10.27	-24%	-40%	-38%	-40%	-21%	2%	3%	-34%	-10%	-22%	-23%
Zambia	9.72	7.06	-27%	-44%	-31%	-30%	-38%	-21%	-6%	-26%	-5%	-28%	-40%
Zimbabwe	11.58	18.49	60%	26%	41%	6%	23%	73%	37%	31%	51%	15%	22%
	11.50	20,40		20,0	.270	0.70	2370	, , , ,	27 /0	01/0	5270	23/0	/0

Figure S9: Heatmap of unintentional injury mechanism DALY rates and percentage change 1990-2019 by country, adolescents 10-24 years

	Unintentional injuries	Unintentional injuries	Unintentional injuries	Adverse effect		ge change i	in DALYs/ 100 Environmental	,000, 1990 f Exposure to	to 2019, for	mechanisms	of Unitention	al injury	Other
	DALYS/100,000 1990	DALYs/100,000 2019	% change, 1990 to 2019	of medical treatment	Animal contact	Drowning	heat and cold exposure	mechanical forces	Falls	Fire, heat, and hot substances	Foreign body	Poisonings	unintentional injuries
Afghanistan	2,122	1,338	-37%	-54.6%	-8.6%	-47.3%	-56.9%	-22.0%	-14.2%	-36.9%	-22.9%	-43.8%	-46.9%
Albania	1,722	1,197	-31%	18.5%	-32.3%	-67.5%	-12.9%	-44.4%	32.5%	-44.3%	-13.3%	-5.4%	-50.2%
Algeria	1,623	744	-54%	-66.7%	-47.4%	-70.4%	-31.9%	-41.5%	-29.0%	-66.8%	-41.6%	-58.8%	-51.3%
American Samoa	1,369	1,207	-12%	-17.2%	6.2%	-15.2%	-32.3%	-32.0%	8.4%	-2.6%	0.2%	-36.4%	-34.8%
Andorra	552	509	-8%	-33.9%	-6.8%	-46.3%	-12.0%	-9.7%	0.6%	-17.4%	-19.3%	-25.1%	-9.5%
Angola	1,045	612	-41%	-52.0%	-54.5%	-49.0%	-50.4%	-39.9%	-13.8%	-42.8%	-26.3%	-49.8%	-50.0%
Antigua and Barbuda	1,472	1,248	-15%	-27.7%	32.5%	-26.3%	-9.1%	6.1%	37.1%	-42.7%	-25.7%	-70.0%	-19.7%
Argentina	1,400	1,005	-28%	-36.8%	-6.2%	-58.7%	-8.5%	-14.0%	-8.5%	-35.5%	-38.5%	-21.6%	-19.8%
Armenia	2,502	813	-67%	0.8%	-20.3%	-79.7%	-73.2%	-43.6%	-47.6%	-68.6%	-27.5%	-62.1%	-48.4%
Australia	1,099	940	-14%	-7.2%	-17.0%	-54.3%	-35.1%	-15.3%	10.3%	-31.0%	-25.2%	-40.8%	-28.3%
Austria	800	589	-26%	37.7%	-16.0%	-63.7%	-17.8%	-47.0%	-14.6%	-28.6%	-11.4%	-19.4%	-27.2%
Azerbaijan	1,568	1,073	-32%	-15.5%	-13.2%	-53.7%	-34.8%	-15.5%	-17.1%	-34.2%	-3.0%	-34.6%	-6.7%
Bahamas	1,215	1,800	48%	-17.5%	31.2%	-25.5%	-11.1%	3.8%	26.6%	-34.9%	-27.7%	-57.0%	-16.4%
Bahrain	742	541	-27%	-57.3%	-31.1%	-57.5%	-25.9%	-6.5%	0.1%	-33.9%	-22.4%	-49.5%	-17.5%
Bangladesh	1,156	755	-35%	-55.2%	-38.5%	-43.2%	-14.0%	-34.2%	116.7%	-42.5%	28.1%	-4.3%	-43.0%
Barbados	1,090	744	-32%	-35.0%	-5.2%	-43.6%	-11.9%	-2.8%	22.7%	-42.2%	-40.3%	-69.9%	-17.9%
Belarus	1,988	1,136	-43%	-16.7%	-18.6%	-63.6%	-48.7%	-22.2%	-16.7%	-37.5%	-17.7%	-49.9%	-34.9%
Belgium	747	589	-21%	-63.1%	-5.7%	-61.6%	-13.5%	-24.3%	5.0%	-40.7%	9.2%	-68.3%	-24.2%
Belize	1,328	1,284	-3%	-12.5%	110.7%	-6.2%	-4.6%	14.3%	49.6%	-24.8%	-19.9%	-69.9%	0.6%
Benin	783	612	-22%	-30.3%	-2.3%	-36.2%	-9.5%	-24.2%	-10.8%	-16.9%	-8.7%	-25.4%	-29.0%
	888	581	-35%	-45.0%	-1.3%	-51.7%	-13.2%	-10.5%	14.4%	1.8%	-39.5%	-77.5%	-27.8%
Bermuda	1,162	921	-21%	-40.1%	-29.2%	-33.8%	-27.0%	-30.9%	43.4%	-22.8%	-18.7%	-24.3%	-8.7%
Bhutan		1,008	-45%	-57.5%	-1.3%	-54.3%	-27.2%	-37.2%	-15.2%	-58.2%	-48.2%	-59.0%	-53.7%
Bolivia	1,819		-39%	-79.0%	-33.6%	-18.8%	156.2%	-54.8%	21.3%	-41.7%	-2.8%	-86.1%	-10.3%
Bosnia and Herzegovina	1,627	999	-21%	-25.7%	-23.2%	-19.8%	-38.4%	-30.8%	-3.4%	-15.4%	-0.4%	-20.7%	-31.6%
Botswana	1,326	1,053	-47%	-32.4%	-50.3%	-59.4%	-14.1%	-16.2%	-32.0%	-56.3%	-20.8%	-52.0%	-58.6%
Brazil	1,392	739	-51%	-41.7%	-26.3%	-68.6%	-30.7%	-24.0%	-28.1%	-55.0%	-27.5%	-63.4%	-43.7%
Brunei Darussalam	1,657	807	-31%	20.8%	-17.3%	-53.7%	-17.9%	-10.4%	-19.1%	-39.8%	-41.2%	-48.7%	-67.1%
Bulgaria	1,899	1,166	- 7 %	-14.4%	-13.5%	-10.9%	-9.3%	-4.5%	6.6%	-3.9%	-0.8%	-9.9%	-13.4%
Burkina Faso	649	606	-30%	-32.6%	-33.7%	-36.6%	-31.2%	-4.5%	-15.7%	-30.8%	-25.9%	-38.0%	-42.1%
Burundi	1,317	917	29%	-32.5%	201.1%	87.2%	81.1%	-18.5%	1.1%	6.2%	59.9%	36.4%	-28.3%
Cabo Verde	608	782	-43%	-58.3%	-47.2%	-55.2%	-22.1%	-36.6%	-8.4%	-56.8%	-33.6%	-50.2%	-40.7%
Cambodia	1,970	1,115			1.8%		-5.0%	-13.1%	0.7%	-4.4%			
Cameroon	693	616	-11% -38%	-22.6%		-19.7% -51.0%	-5.0% -44.4%	-39.9%		-57.6%	4.8% -37.3%	-10.8% -38.6%	-18.7%
Canada	664	413		-34.6%	-9.6%				-11.7%				-40.2%
Central African Republic	1,274	1,008	-21%	-29.9%	-12.7%	-23.2%	-24.0%	-21.2%	-16.1%	-18.3%	-9.4%	-21.2%	-29.2%
Chad	798	798	0%	-14.2%	34.9%	-8.2%	15.5%	-10.2%	10.1%	5.5%	5.1%	0.2%	-8.9%
Chile	1,244	731	-41%	-51.5%	-30.4%	-45.1%	-61.0%	-21.1%	-4.0%	-65.7%	-82.9%	-41.0%	-35.0%
China	1,363	732	-46%	-75.9%	-75.6%	-58.7%	-64.9%	-33.9%	-24.5%	-51.1%	-35.6%	-17.9%	-18.4%
Colombia	1,600	686	-57%	-38.4%	-57.2%	-57.8%	-43.4%	-52.1%	-36.8%	-69.1%	-35.1%	-67.4%	-67.7%
Comoros	780	706	-9%	-28.1%	-27.7%	-27.8%	-24.5%	-12.6%	2.5%	-20.0%	1.6%	-26.0%	-29.4%
Congo	843	515	-39%	-50.5%	-29.8%	-48.8%	-49.1%	-39.4%	-19.3%	-38.8%	-29.1%	-44.9%	-42.8%
Cook Islands	767	403	-47%	-29.7%	-37.2%	-60.0%	-17.9%	-19.5%	2.4%	-10.0%	-33.2%	-65.1%	-19.9%
Costa Rica	1,061	738	-30%	-45.6%	-16.1%	-50.1%	1.4%	-13.6%	-0.3%	-39.3%	-45.4%	59.0%	-14.0%
Côte d'Ivoire	769	618	-20%	-30.2%	-19.0%	-30.3%	-7.1%	-20.1%	-7.1%	-20.2%	-7.3%	-23.4%	-25.6%
Croatia	1,530	759	-50%	14.9%	-19.2%	-55.3%	-44.6%	-38.4%	30.7%	-32.4%	-21.8%	-45.2%	-88.5%
Cuba	1,154	723	-37%	-60.2%	9.8%	-53.5%	-11.9%	-23.0%	-18.3%	-41.6%	-53.7%	-34.9%	-31.0%
Cyprus	674	587	-13%	-36.2%	-13.8%	-48.2%	-21.2%	-28.4%	15.2%	-31.9%	-7.7%	-22.2%	-18.6%
Czechia	1,312	861	-34%	59.0%	-20.9%	-67.8%	-16.2%	-22.7%	-5.2%	-37.0%	-46.4%	-59.2%	-51.6%
Denmark	550	501	-9%	30.6%	9.5%	-50.4%	-0.8%	-24.6%	19.8%	-28.9%	0.6%	-9.8%	-39.8%
DPR of Korea	1,450	1,064	-27%	-47.9%	-36.2%	-39.1%	-19.4%	-3.1%	-13.2%	-35.5%	-3.1%	-14.8%	-2.1%
DR of the Congo	779	610	-22%	-35.0%	-13.9%	-33.6%	-27.2%	-13.2%	-5.8%	-25.8%	-9.1%	-23.6%	-27.3%

	Unintentional	Unintentional injuries	Unintentional injuries	0 4		ge change i			o 2019, for	mechanisms o	of Unitention	al injury	Other
	injuries DALYs/100,000 1990	DALYS/100,000 2019	% change, 1990 to 2019	Adverse effect of medical treatment	Animal contact	Drowning	Environmental heat and cold exposure	Exposure to mechanical forces	Falls	Fire, heat, and hot substances	Foreign body	Poisonings	Other unintentional injuries
Djibouti	754	670	-11%	-30.1%	8.7%	-15.5%	-27.7%	-13.7%	7.6%	-17.0%	5.4%	-13.4%	-20.8%
Dominica	1.485	1,210	-18%	-20.1%	13.9%	-16.2%	-3.8%	8.4%	24.8%	-18.0%	-23.4%	-74.6%	-3.4%
Dominican Republic	1.048	976	-7%	-12.1%	-17.9%	-7.7%	-15.0%	13.4%	24.0%	-34.6%	-0.2%	-19.0%	-10.0%
Ecuador	1.603	1,014	-37%	-51.0%	66.6%	-42.1%	-18.1%	-37.0%	-9.6%	-47.0%	-33.3%	-46.7%	-44.3%
Egypt	936	539	-42%	-61.0%	-36.7%	-55.4%	-32.7%	-28.5%	-11.5%	-52.8%	-30.5%	-56.3%	-42.0%
El Salvador	1,594	786	-51%	-73.4%	-11.5%	-13.5%	-20.6%	-38.9%	-28.2%	-59.6%	-83.6%	-70.3%	-76.2%
Equatorial Guinea	1,138	425	-63%	-78.1%	-75.0%	-75.4%	-69.1%	-60.3%	-28.6%	-61.1%	-41.9%	-71.2%	-62.8%
Eritrea	1,053	871	-17%	-30.0%	-14.5%	-26.3%	-32.8%	-15.4%	5.2%	-18.0%	1.1%	-21.2%	-26.2%
Estonia	2,394	809	-66%	-63.7%	-14.1%	-85.4%	-63.8%	-42.7%	-48.0%	-72.7%	-59.8%	-76.2%	-57.4%
Eswatini	1.234	1,283	4%	-8.9%	5.6%	2.3%	5.1%	0.1%	22.0%	9.1%	21.5%	-8.0%	-5.8%
Ethiopia	1,467	741	-49%	-64.0%	-51.4%	-67.2%	-50.4%	-36.0%	-29.5%	-47.5%	-31.0%	-62.9%	-52.3%
Fiji	1,464	1,196	-18%	-31.1%	-27.7%	-20.2%	-25.3%	-24.9%	10.2%	-19.3%	3.0%	-41.4%	-35.9%
Finland	838	715	-15%	-26.9%	-30.3%	-56.8%	18.4%	-21.5%	10.1%	-44.9%	-20.7%	-38.5%	-35.0%
France	827	599	-27%	-70.7%	-19.9%	-48.9%	138.9%	-30.4%	-11.2%	-40.1%	-48.3%	-37.4%	-41.2%
Gabon	782	516	-34%	-50.3%	-29.3%	-48.8%	-41.4%	-31.5%	-19.2%	-32.5%	-20.0%	-39.2%	-36.0%
Gambia	625	568	-9%	-22.8%	-17.3%	-21.2%	1.5%	-10.3%	4.7%	-2.5%	8.3%	-12.7%	-17.4%
Georgia	1,933	1,254	-35%	146.3%	-13.9%	-78.0%	-15.2%	9.5%	-2.5%	-52.5%	24.7%	-56.4%	11.7%
Germany	640	518	-19%	2.3%	-12.2%	-54.4%	-23.9%	-19.7%	-0.3%	-43.8%	-35.4%	-25.1%	-30.6%
Ghana	649	544	-16%	-23.7%	-24.2%	-26.7%	-23.4%	-11.8%	3.5%	-15.4%	0.1%	-22.0%	-28.1%
Greece	780	561	-28%	-28.0%	-3.7%	-37.5%	-18.4%	-15.9%	-13.4%	-38.3%	-59.3%	-36.0%	-47.6%
Greenland	1,701	953	-44%	-35.8%	-53.0%	-48.6%	-40.7%	-46.2%	-29.2%	-57.4%	-27.3%	-56.6%	-45.0%
Grenada	1,701	1,240	-20%	-39.1%	46.3%	-33.7%	-7.3%	13.5%	42.2%	-37.9%	-20.4%	-78.7%	-12.7%
Guam	859	546	-36%	-1.6%	4.1%	-48.9%	-34.7%	-54.7%	0.2%	-5.2%	-14.3%	-61.6%	-41.6%
Guatemala	2,348	1,664	-29%	-74.5%	-4.0%	-48.4%	57.6%	95.0%	-21.0%	-61.3%	-58.8%	5.9%	-27.4%
Guinea	849	777	-9%	-18.7%	16.3%	-17.9%	3.1%	-7.2%	0.3%	-3.4%	-0.2%	-7.9%	-18.8%
Guinea Guinea-Bissau	1.217	827	-32%	-39.8%	-20.3%	-44.8%	-18.8%	-30.3%	-20.3%	-27.4%	-19.1%	-36.0%	-38.5%
	1,882	1,702	-10%	-11.5%	160.4%	10.5%	-14.9%	17.4%	10.5%	-33.6%	-29.8%	-65.5%	-38.3%
Guyana	2,915	2,645	-9%	-38.9%	3.5%	-44.2%	-30.6%	-22.7%	-11.1%	-47.6%	-43.2%	-47.7%	-40.9%
Haiti	1,972	929	-53%	-63.1%	-42.6%	-68.2%	-29.4%	-45.8%	-22.3%	-41.6%	-58.8%	-59.5%	-60.2%
Honduras	1,137	820	-28%	-36.7%	-21.0%	-66.5%	-37.6%	-13.8%	14.0%	-41.4%	-37.1%	-45.4%	-38.5%
Hungary Iceland	714	525	-27%	-36.2%	-16.4%	-68.8%	-44.1%	-39.3%	1.9%	-43.9%	-24.2%	-49.3%	-32.9%
	1.765	1,006	-43%	-47.1%	-48.9%	-51.4%	-39.3%	-40.8%	-25.3%	-39.0%	-19.5%	-51.5%	-45.8%
India	935	577	-38%	-53.5%	-39.4%	-53.2%	-13.7%	-36.5%	-23.0%	-30.1%	-44.1%	-15.0%	-55.1%
Indonesia	5,376	853	-84%	-69.0%	-44.9%	-65.9%	-14.6%	-20.3%	-29.3%	-68.8%	-12.7%	-55.7%	-34.9%
Iran	3,106	1,591	-49%	-50.5%	-64.4%	-55.4%	-49.4%	-45.6%	-32.4%	-52.4%	-32.6%	-46.4%	-54.8%
Iraq Ireland	752	549	-27%	-15.5%	-22.0%	-63.7%	-22.2%	-42.9%	12.5%	-50.4%	-44.4%	-36.8%	-29.6%
	726	512	-29%	-73.9%	-16.1%	-64.4%	-22.1%	-45.9%	12.8%	-33.7%	-37.8%	-30.7%	-34.5%
Israel	726	441	-40%	-34.5%	-54.0%	-54.2%	-43.6%	-55.0%	-12.6%	-53.1%	-25.2%	-72.8%	-61.4%
Italy	581	559	-4%	117.6%	-15.8%	-45.5%	-0.5%	33.5%	36.4%	-17.9%	-61.9%	-19.0%	-19.9%
Jamaica	569	480	-16%	24.1%	-13.4%	-39.9%	-0.5%	-17.3%	1.5%	-28.3%	-5.6%	-32.1%	-21.0%
Japan		575	-48%	-56.0%	-24.4%	-57.5%	-32.4%	-52.9%	-23.2%	-57.6%	-31.8%	-64.5%	-49.9%
Jordan	1,114		-46%	-37.8%	-29.3%	-60.2%	-57.8%	-36.4%	-30.3%	-60.8%	-27.4%	-44.8%	-26.8%
Kazakhstan	2,120	1,135	-5%	-21.6%	4.1%	-10.6%	-4.9%	-0.2%	7.7%	-13.8%	8.1%	4.4%	-8.7%
Kenya	675	641	-19%	-21.6%	-22.2%	-24.0%	16.5%	-0.2%	8.3%	-3.7%	-13.9%	-23.0%	-23.7%
Kiribati	1,209	978	-19%	-51.3%	-22.2%	-71.2%	-16.6%	-32.9%	-8.1%	-41.8%	-49.2%	-52.5%	-23.7%
Kuwait	680	429	-56%	-15.8%	-19.5% -18.3%	-71.2%	-39.3%	-32.9% -15.4%	-8.1% -47.9%	-41.8% -55.7%	-49.2%	-52.5% -55.1%	-29.2% -48.6%
Kyrgyzstan	1,853	812	-56%	-61.7%	-53.7%	-62.4%	-39.5% -48.9%	-41.9%	-47.9% -26.0%	-55.7% -60.8%	-33.7% -45.2%	-55.1% -66.6%	-48.6% -41.2%
Lao PDR	2,196	1,050	-52% -61%	-7.4%	-53.7%			-41.9% -44.7%	-26.0% -49.1%		-45.2% -42.1%	-68.2%	
Latvia	2,432	957		-7.4% -55.2%		-75.4% -50.1%	-50.5%			-65.7%			-39.9%
Lebanon	1,006	635	-37%		-26.8%		-27.7%	-28.8%	4.7%	-62.2%	-16.6%	-38.0%	-31.8%
Lesotho	1,407	1,433	2%	-1.8%	5.2%	4.5%	11.2%	-1.6%	23.3%	20.4%	27.9%	2.4%	0.4%
Liberia	784	590	-25%	-32.4%	-10.5%	-43.4%	-14.1%	-20.8%	-17.2%	8.2%	-15.1%	-29.5%	-36.9%

	Unintentional	Unintentional injuries	Unintentional injuries			ge change i	in DALYs/ 100		o 2019, for	mechanisms	of Unitention	al injury	aut.
	injuries DALYS/100,000 1990	DALYS/100,000 2019	% change, 1990 to 2019	Adverse effect of medical treatment	Animal contact	Drowning	Environmental heat and cold exposure	Exposure to mechanical forces	Falls	Fire, heat, and hot substances	Foreign body	Poisonings	Other unintentional injuries
Libya	1,011	681	-33%	-50.7%	-25.1%	-51.5%	-20.0%	-24.9%	-9.9%	-46.9%	-11.9%	-30.6%	-32.0%
Lithuania	2,044	958	-53%	-3.1%	-21.1%	-74.5%	-34.6%	-27.4%	-33.6%	-58.6%	-21.2%	-43.6%	-49.4%
Luxembourg	955	592	-38%	-50.3%	-33.9%	-63.5%	-30.0%	-44.0%	-14.7%	-37.2%	-36.2%	-59.2%	-62.9%
Madagascar	1,202	679	-44%	-54.8%	-47.4%	-57.1%	-45.0%	-34.3%	-19.8%	-42.6%	-29.3%	-52.6%	-52.5%
Malawi	896	679	-24%	-43.5%	-33.9%	-38.4%	-31.1%	-19.5%	-2.9%	-26.1%	-12.2%	-35.6%	-37.9%
Malaysia	921	625	-32%	-50.3%	-37.9%	-35.9%	-25.7%	-28.2%	-10.1%	-43.5%	-19.6%	-44.0%	-39.5%
Maldives	1,731	651	-62%	-74.9%	-71.7%	-72.0%	-44.6%	-56.0%	-24.8%	-69.9%	-64.1%	-55.3%	-61.0%
Mali	888	670	-25%	-38.4%	-30.2%	-35.7%	-31.8%	-22.2%	-5.8%	-24.6%	14.6%	-33.2%	-36.8%
Malta	716	675	-6%	-24.7%	-11.9%	-24.5%	-16.7%	-17.1%	18.2%	-15.7%	7.2%	-31.3%	-35.8%
Marshall Islands	1,726	1,409	-18%	-32.5%	-40.2%	-16.4%	-40.9%	-34.3%	1.5%	-13.4%	19.1%	-38.9%	-25.0%
Mauritania	688	409	-41%	-52.8%	-32.7%	-54.4%	-40.5%	-39.1%	-22.0%	-36.3%	-29.2%	-48.4%	-50.5%
Mauritius	978	609	-38%	50.3%	-16.9%	-30.6%	-13.2%	-19.3%	35.8%	-76.9%	22.6%	21.4%	-38.5%
Mexico	1,603	769	-52%	-35.4%	-49.3%	-63.7%	-53.1%	-56.0%	-41.1%	-42.3%	-29.1%	-55.9%	-59.1%
	1,575	1,509	-4%	-28.1%	-14.6%	-0.7%	-23.2%	-25.6%	23.1%	-14.1%	26.2%	-39.3%	-5.5%
Micronesia	736	635	-14%	-32.9%	-18.8%	-28.7%	-12.9%	-16.2%	14.6%	-18.8%	9.0%	-58.3%	-19.1%
Monaco				-30.6%	11.2%	-19.8%	-46.1%	-23.9%	27.7%	-6.8%	45.6%	-71.9%	4.2%
Mongolia	2,056	1,563	-24%	-26.4%	-8.9%	-42.9%	-42.0%	-9.1%	-3.1%	-31.0%	-23.1%	-26.5%	-36.6%
Montenegro	1,156	923	-20%	-53.3%	-32.8%	-46.6%	-41.4%	-38.3%	-12.5%	-53.6%	-19.9%	-41.6%	-45.7%
Morocco	1,384	850	-39%	-30.6%	-19.0%	-23.5%	-15.8%	-30.3%	10.7%	-15.9%	10.4%	-14.8%	-19.2%
Mozambique	894	961	8%	-61.7%	-57.7%	-57.2%	-20.9%	-44.9%	-20.0%	-45.2%	-37.3%	-58.9%	-40.9%
Myanmar	2,428	1,468	-40%	-26.7%	-24.3%	-17.4%	-31.8%	-17.0%	15.3%	-13.3%	-2.8%	-25.5%	-23.4%
Namibia	1,016	866	-15%	-26.7%	-5.3%	1.9%	-22.6%	-17.0%	20.6%	-13.3%	33.0%	-25.5% -26.1%	-23.4%
Nauru	1,525	1,524	0%			-45.6%	-44.0%				-22.4%		
Nepal	1,649	1,116	-32%	-50.1%	-42.7%			-25.8%	-16.1%	-34.2% -31.3%		-49.8% -34.8%	-30.9%
Netherlands	464	395	-15%	-42.8%	-15.2% -28.9%	-53.8%	-18.6% -51.1%	-25.8%	9.6%		-20.8%		-20.2%
New Zealand	1,407	1,136	-19%	-23.6%		-51.6%		-24.8%	14.6%	-50.2%	-8.0%	-24.8%	-34.6%
Nicaragua	1,156	794	-31%	-52.0%	-20.2%	-28.7%	-14.2%	-35.3%	2.9%	-51.7%	-39.8%	-28.0%	-42.1%
Niger	791	621	-21%	-28.5%	-21.3%	-30.5%	-27.7%	-15.7%	-8.3%	-20.6%	-16.9%	-25.1%	-28.5%
Nigeria	584	424	-27%	-38.1%	-30.5%	-36.3%	-30.9%	-32.9%	-4.4%	-25.6%	-9.7%	-39.1%	-38.9%
Niue	1,149	1,034	-10%	-37.1%	-24.7%	-11.6%	-33.3%	-30.1%	12.1%	-14.2%	28.3%	-35.0%	-15.7%
North Macedonia	1,432	883	-38%	-32.3%	-15.0%	-43.5%	-15.3%	-5.4%	36.9%	-38.6%	-5.0%	-9.0%	-74.8%
Northern Mariana Islands	1,180	984	-17%	-62.2%	-2.6%	-6.9%	-27.7%	-48.7%	7.1%	3.5%	46.8%	-48.8%	-42.7%
Norway	773	575	-26%	-37.7%	-5.0%	-66.2%	-41.3%	-39.8%	-0.9%	-47.7%	-27.8%	31.2%	-37.9%
Oman	1,252	783	-37%	-56.3%	-14.2%	-49.8%	-39.0%	-49.7%	-4.0%	-39.2%	-16.7%	-40.2%	-10.2%
Pakistan	693	676	-2%	-1.6%	14.7%	-52.3%	-8.4%	-9.6%	31.0%	11.5%	39.6%	1.3%	-8.1%
Palau	2,394	1,992	-17%	-25.4%	6.0%	-20.6%	-18.5%	-19.2%	0.9%	-22.0%	-0.9%	-27.4%	-20.9%
Palestine	985	592	-40%	-55.8%	-12.4%	-60.7%	-20.2%	-44.5%	-16.0%	-55.7%	1.1%	-48.5%	-44.4%
Panama	1,376	768	-44%	-73.0%	-33.6%	-59.4%	-16.6%	-24.8%	-11.2%	-39.3%	-62.3%	-31.9%	-35.8%
Papua New Guinea	973	993	2%	-24.5%	-12.6%	-6.0%	-6.8%	0.1%	26.6%	3.1%	-6.4%	0.2%	4.5%
Paraguay	1,022	881	-14%	-3.5%	32.3%	-13.2%	-4.1%	-29.4%	-2.4%	-32.7%	-35.6%	-46.7%	-8.2%
Peru	1,838	923	-50%	-64.9%	-11.7%	-59.0%	-35.1%	-30.2%	-6.9%	-58.9%	-51.7%	-56.2%	-56.9%
Philippines	1,489	724	-51%	-33.0%	-47.1%	-46.5%	-29.8%	-19.6%	-15.1%	-32.0%	-15.2%	-35.0%	-38.7%
Poland	1,516	865	-43%	7.3%	-29.8%	-72.0%	-55.8%	-23.7%	-3.3%	-45.4%	-34.4%	-68.7%	-58.6%
Portugal	1,036	440	-58%	-26.6%	-23.5%	-78.1%	-49.0%	-59.2%	-46.7%	-59.4%	-32.4%	-62.0%	-62.9%
Puerto Rico	738	494	-33%	-40.1%	-7.8%	-74.1%	-2.1%	22.3%	14.1%	-8.6%	-21.9%	-86.8%	-26.1%
Qatar	1,243	838	-33%	-58.1%	-22.8%	-56.6%	-38.9%	-32.9%	-4.4%	-54.9%	-24.9%	-22.2%	-28.7%
Republic of Korea	1,591	559	-65%	-56.1%	-18.5%	-89.4%	-59.6%	-29.2%	-43.0%	-66.8%	-71.0%	-85.9%	-60.4%
Republic of Moldova	2,078	1,043	-50%	-63.5%	-12.3%	-65.9%	-6.7%	-38.7%	-33.8%	-57.1%	-5.7%	-32.3%	-61.2%
Romania	2,002	1,078	-46%	-30.8%	-18.4%	-59.4%	-47.3%	-28.5%	-40.1%	-58.9%	-22.9%	-66.9%	-41.7%
Russian Federation	2,232	1,217	-45%	25.9%	-31.6%	-55.2%	-74.7%	-58.0%	-17.6%	-48.0%	7.0%	-20.1%	-48.5%
Rwanda	1,060	600	-43%	-56.1%	-48.2%	-58.5%	-53.2%	-29.4%	-17.7%	-40.1%	-34.1%	-54.5%	-54.6%
Saint Kitts and Nevis	1,250	988	-21%	-42.5%	14.7%	-32.3%	-5.5%	6.5%	22.7%	-45.3%	-37.9%	-66.2%	-21.8%

	Unintentional	Unintentional	Unintentional			ge change i	in DALYs/ 100		o 2019, for	mechanisms (of Unitention	al injury	011
	injuries DALYs/100,000 1990	injuries DALYS/100,000 2019	injuries % change, 1990 to 2019	Adverse effect of medical treatment	Animal contact	Drowning	Environmental heat and cold exposure	Exposure to mechanical forces	Falls	Fire, heat, and hot substances	Foreign body	Poisonings	Other unintentional injuries
Saint Lucia	1,228	1,013	-18%	-22.6%	19.0%	-25.6%	-11.4%	15.1%	33.5%	-39.1%	-31.4%	-63.3%	-17.8%
Samoa	1,455	1,018	-30%	-26.3%	-30.0%	-16.2%	-24.2%	-29.2%	10.4%	-15.1%	11.8%	-44.1%	-15.9%
San Marino	532	530	0%	-26.8%	-6.1%	-7.6%	-12.6%	-17.7%	19.5%	-1.1%	1.4%	-26.9%	-20.6%
Sao Tome and Principe	662	548	-17%	-23.3%	-5.4%	-35.7%	-5.4%	-11.1%	-12.3%	-0.4%	-7.6%	-22.5%	-20.7%
Saudi Arabia	2,759	1,330	-52%	-60.8%	-32.0%	-44.0%	-24.6%	-79.5%	-7.9%	-34.1%	-14.8%	-39.2%	-61.2%
Senegal	720	577	-20%	-29.8%	-22.5%	-31.9%	-22.4%	-13.7%	-3.3%	-19.4%	-9.6%	-23.3%	-29.8%
Serbia	1,219	809	-34%	-58.7%	-19.4%	-71.0%	-56.7%	-16.6%	7.9%	-46.3%	-36.2%	-42.0%	-54.0%
Seychelles	1,310	1.009	-23%	-7.0%	-8.0%	-16.3%	8.7%	-49.4%	-11.6%	-44.7%	-4.5%	-28.6%	-38.9%
Sierra Leone	745	689	-8%	-13.1%	14.7%	-22.3%	-0.6%	-13.1%	-9.4%	-5.6%	-0.3%	-8.9%	-22.1%
	700	491	-30%	-24.8%	-26.2%	-67.2%	-9.0%	-21.0%	-18.2%	-24.4%	-34.7%	-33.8%	-38.3%
Singapore Slovakia	1,283	992	-23%	-21.9%	-30.3%	-47.2%	-30.3%	-18.2%	-1.9%	-30.5%	-21.7%	-36.6%	-31.4%
Slovakia	1,028	880	-14%	16.6%	-17.7%	-55.5%	-62.2%	-17.6%	6.7%	-17.9%	-20.6%	-26.2%	-18.6%
	2,384	2,519	-14%	-22.4%	-12.8%	7.9%	-21.6%	-13.0%	18.9%	-10.2%	10.0%	53.1%	11.1%
Solomon Islands	1,066	1,213	14%	9.8%	29.0%	12.1%	7.0%	20.4%	17.8%	3.4%	15.8%	13.3%	0.4%
Somalia South Africa		•	-45%	-56.0%	-43.6%	-56.7%	-36.1%	-38.8%	-14.5%	-49.0%	-33.9%	-67.0%	-50.6%
South Africa	1,043	575		-21.6%	-7.7%	-7.0%	-14.4%	-7.9%	8.9%	11.0%	-6.2%	-14.3%	-19.0%
South Sudan	681	719	6%	-50.6%	-24.6%	-71.8%	-37.8%	-46.0%	-8.5%	-46.1%	-45.3%	-58.3%	-62.9%
Spain	857	513	-40%	-53.5%	-24.6%	-40.3%	-50.2%	-54.4%	-24.5%	-51.6%	-45.5%	-74.2%	-52.6%
Sri Lanka	1,673	921	-45%	-18.3%	35.1%	-18.2%	-3.0%	11.2%	39.6%	-31.6%	-17.0%	-55.2%	-9.3%
St Vincent & the Grenadines	1,334	1,180	-12%	-56.0%	-37.3%	-50.8%	-24.4%	-22.6%	-9.3%	-52.9%	-17.0% -14.9%	-38.1%	-38.6%
Sudan	1,616	1,015	-37%	-29.6%							-29.9%	-36.1% -66.9%	
Suriname	1,387	1,115	-20%		104.6%	-23.2%	-9.5%	-2.3% -31.5%	17.4%	-34.2%	-29.9% -28.7%	-43.6%	-9.5%
Sweden	629	519	-17%	1.5%	-7.7%	-51.6%	-19.0%		10.5%	-35.2%			-19.9%
Switzerland	985	631	-36%	-5.4%	12.4%	-63.9%	23.4%	-56.0%	-16.6%	-29.3%	11.2%	-7.3%	-64.4%
Syrian Arab Republic	950	588	-38%	-50.7%	-37.2%	-52.5%	-44.0%	-46.7%	2.0%	-52.4%	-36.0%	-38.9%	-45.2%
Taiwan (Province of China)	1,445	302	-79%	30.5%	-30.4%	-84.5%	-12.1%	-63.3%	-51.4%	-80.1%	-48.5%	-90.5%	-92.3%
Tajikistan	1,646	1,108	-33%	-21.7%	7.4%	-36.3%	-5.9%	2.3%	-25.8%	-48.2%	-6.0%	-58.0%	-10.0%
Thailand	1,537	962	-37%	-50.9%	-57.9%	-49.2%	-24.8%	-52.2%	-12.1%	-31.6%	68.1%	-45.4%	-26.8%
Timor-Leste	1,209	847	-30%	-45.9%	-44.5%	-33.0%	-35.3%	-30.5%	1.5%	-48.9%	-11.7%	-34.9%	-32.4%
Togo	725	599	-17%	-29.7%	-2.7%	-31.8%	-1.4%	-17.0%	-9.3%	-14.2%	-0.7%	-20.3%	-26.2%
Tokelau	858	673	-22%	-42.9%	-30.3%	-26.9%	-34.6%	-32.2%	15.9%	-12.9%	5.3%	-49.7%	-23.9%
Tonga	836	858	3%	-12.3%	-1.3%	22.3%	-6.0%	-8.2%	30.2%	-1.0%	70.9%	-3.3%	-2.7%
Trinidad and Tobago	1,269	731	-42%	-14.4%	2.9%	-60.0%	-9.8%	-21.7%	-10.1%	-40.1%	-31.6%	-59.8%	-35.4%
Tunisia	1,371	804	-41%	-55.4%	-38.4%	-56.2%	-25.4%	-42.1%	-9.9%	-52.5%	-19.5%	-42.6%	-34.9%
Turkey	866	513	-41%	-59.7%	-47.9%	-49.1%	-34.5%	-35.2%	-6.8%	-48.8%	-34.7%	-44.9%	-59.8%
Turkmenistan	1,653	1,134	-31%	31.6%	6.3%	-67.0%	328.1%	34.8%	-19.8%	-55.9%	-1.1%	-28.3%	-12.9%
Tuvalu	1,545	1,101	-29%	-50.1%	-33.1%	-30.2%	-35.6%	-38.3%	7.5%	-30.5%	-6.9%	-56.6%	-29.3%
Uganda	611	593	-3%	-20.4%	-9.6%	-2.8%	-15.8%	-5.8%	13.9%	-5.0%	9.6%	-5.7%	-14.9%
Ukraine	2,028	1,648	-19%	56.2%	8.3%	-37.7%	-3.8%	4.2%	-20.4%	-24.6%	42.8%	-13.8%	4.5%
United Arab Emirates	1,405	777	-45%	-60.0%	-53.6%	-57.7%	-28.4%	-40.4%	-32.7%	-48.9%	-39.1%	-48.4%	-46.3%
United Kingdom	710	510	-28%	13.6%	-4.8%	-53.0%	-34.5%	-26.8%	0.0%	-52.8%	-39.9%	-55.8%	-44.0%
United Republic of Tanzania	825	596	-28%	-35.0%	-30.6%	-28.0%	-31.9%	-22.7%	-3.5%	-16.3%	-13.3%	-31.8%	-37.2%
United States of America	840	466	-45%	-22.5%	0.4%	-52.1%	-27.9%	-58.5%	-29.1%	-58.3%	-28.7%	-30.9%	-38.8%
United States Virgin Islands	1,302	673	-48%	-58.9%	-20.1%	-60.6%	-31.3%	-28.5%	-22.5%	-33.7%	-50.7%	-63.9%	-48.9%
Uruguay	1,842	1,091	-41%	5.4%	2.5%	-58.7%	-5.0%	-48.0%	1.0%	-18.5%	-35.4%	-33.0%	-44.6%
Uzbekistan	1,496	1,090	-27%	-19.3%	-9.3%	-41.4%	-12.1%	-2.4%	-13.9%	-45.3%	20.3%	6.4%	-30.4%
Vanuatu	1,281	1,449	13%	-8.6%	-11.8%	22.9%	-4.7%	-11.6%	35.0%	1.0%	64.3%	-19.7%	9.6%
Venezuela	1,488	1,034	-31%	-66.6%	-1.9%	-63.0%	-19.9%	18.8%	-26.5%	-44.9%	-26.5%	-22.3%	-32.6%
Viet Nam	1,558	977	-37%	-41.4%	-52.2%	-35.8%	-38.2%	-46.7%	10.0%	-38.9%	-25.8%	-60.9%	-46.2%
Yemen	1,221	921	-25%	-40.1%	-23.5%	-41.3%	-14.6%	-3.2%	3.0%	-37.8%	-10.8%	-24.0%	-25.9%
Zambia	876	677	-23%	-43.5%	-28.4%	-30.9%	-32.7%	-18.0%	2.5%	-24.7%	-4.7%	-28.7%	-36.9%
Zimbabwe	976	1,475	51%	24.8%	33.6%	5.8%	12.6%	51.6%	21.8%	26.8%	30.1%	13.0%	18.4%

Figure S10: Exposure to forces of nature absolute number, and rate per 100,000 population of DALYs and deaths, annual trends and percentage change, 1990-2019

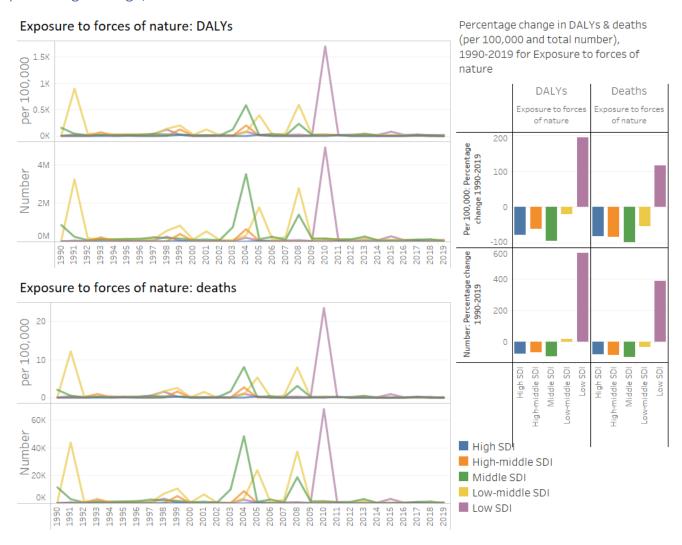
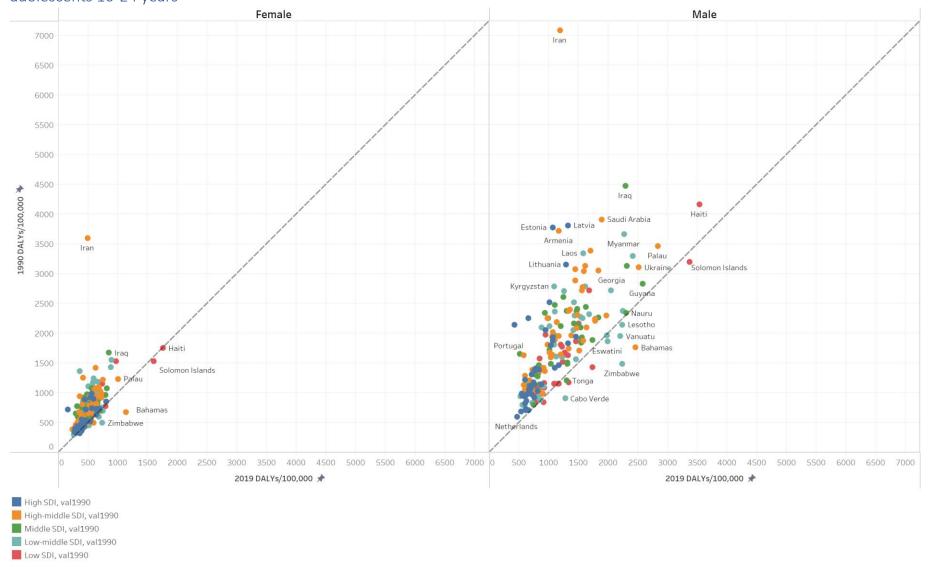


Figure S11: Unintentional injury DALY rates per 100,000 population, 1990 vs 2019 by sex and country (coloured according to SDI), adolescents 10-24 years



GATHER Checklist



Data Input For all a 3 4 5	Describe how the data were identified and how the data were accessed. Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions. Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant. Identify and describe any categories of input data that have potentially important biases	5 3 & 13 4-5 4-5 4-5
Data Input For all a 3 4 5	Define the indicator(s), populations (including age, sex, and geographic entities), and time period(s) for which estimates were made. List the funding sources for the work. Its Idata inputs from multiple sources that are synthesized as part of the study: Describe how the data were identified and how the data were accessed. Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions. Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant. Identify and describe any categories of input data that have potentially important biases	3 & 13 4-5 4-5 4-5
Data Input For all a 3 4 5	List the funding sources for the work. Idata inputs from multiple sources that are synthesized as part of the study: Describe how the data were identified and how the data were accessed. Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions. Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant. Identify and describe any categories of input data that have potentially important biases	4-5 4-5 4-5
For all a 3 4	Describe how the data were identified and how the data were accessed. Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions. Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant. Identify and describe any categories of input data that have potentially important biases	4-5 4-5
For all a 3 4 5	Describe how the data were identified and how the data were accessed. Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions. Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant. Identify and describe any categories of input data that have potentially important biases	4-5 4-5
5	Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions. Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant. Identify and describe any categories of input data that have potentially important biases	4-5 4-5
5	Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant. Identify and describe any categories of input data that have potentially important biases	4-5
4	data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant. Identify and describe any categories of input data that have potentially important biases	
	Identify and describe any categories of input data that have potentially important biases	4 5 0 42
6	(e.g., based on characteristics listed in item 5).	4-5 & 12
For date	a inputs that contribute to the analysis but were not synthesized as part of the study:	
7	Describe and give sources for any other data inputs.	N/A
For all a	data inputs:	
:	Provide all data inputs in a file format from which data can be efficiently extracted (e.g., a spreadsheet rather than a PDF), including all relevant meta-data listed in item 5. For any data inputs that cannot be shared because of ethical or legal reasons, such as third-party ownership, provide a contact name or the name of the institution that retains the right to the data.	13
Data anal	ysis	
	Provide a conceptual overview of the data analysis method. A diagram may be helpful.	4-5
-	Provide a detailed description of all steps of the analysis, including mathematical formulae. This description should cover, as relevant, data cleaning, data pre-processing, data adjustments and weighting of data sources, and mathematical or statistical model(s).	4-5
11	Describe how candidate models were evaluated and how the final model(s) were selected.	N/A
	Provide the results of an evaluation of model performance, if done, as well as the results of any relevant sensitivity analysis.	N/A
	Describe methods for calculating uncertainty of the estimates. State which sources of uncertainty were, and were not, accounted for in the uncertainty analysis.	4-5
14	State how analytic or statistical source code used to generate estimates can be accessed.	4-5 & 13
Results ar	nd Discussion	
15	Provide published estimates in a file format from which data can be efficiently extracted.	13
	Report a quantitative measure of the uncertainty of the estimates (e.g. uncertainty intervals).	6-9
	Interpret results in light of existing evidence. If updating a previous set of estimates, describe the reasons for changes in estimates.	9-12
18	Discuss limitations of the estimates. Include a discussion of any modelling assumptions or data limitations that affect interpretation of the estimates.	12

This checklist should be used in conjunction with the GATHER statement and Explanation and Elaboration document, found on gather-statement.org

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Declarations of Interest

S Afzal is a member of the Institutional Ethical Review Committee in King Edward Medical University Lahore, Pakistan and is a fellow of Faculty of Public Health England and fellow of College of Physicians and Surgeons Pakistan and a member of the Pakistan Association of Medical Editors. SMM Bhaskar is the Board Director of the Rotary Club of Sydney and the International Rotary Fellowship of Health Professionals (UK), the chair and amanger of the Global Health and Migration Hub Community, Global Health Hub Germany, and the district chair of Rotary District 9675 Diversity, Equity, & Inclusion. A K Demetriades reports lecture honorarium from Stryker and Integra and is an unpaid invited faculty on courses for European Association of Neurosurgical Societies (EANS), AO Spine, and the Global Neuro Foundation. A K Demetriades als reports non-salaried roles as the president of EANS and a board member of

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