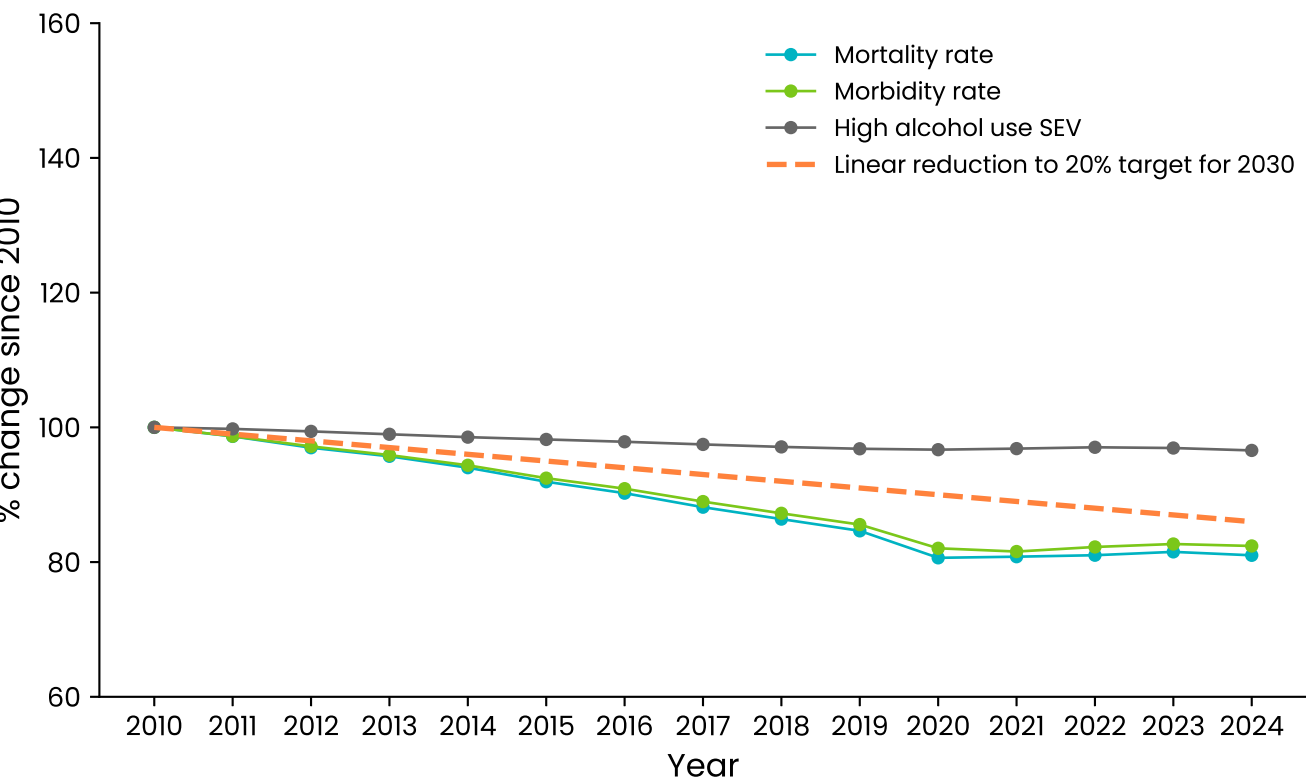


Online Appendix:

Regional trends in
the harmful use of
alcohol 1990–2024
Global Burden of
Disease study data

African Region (WHO)

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	23.12	903.73	3.69
2024	18.73	744.61	3.56
Percent change 2010–2024	–18.99%	–17.61%	–3.42%

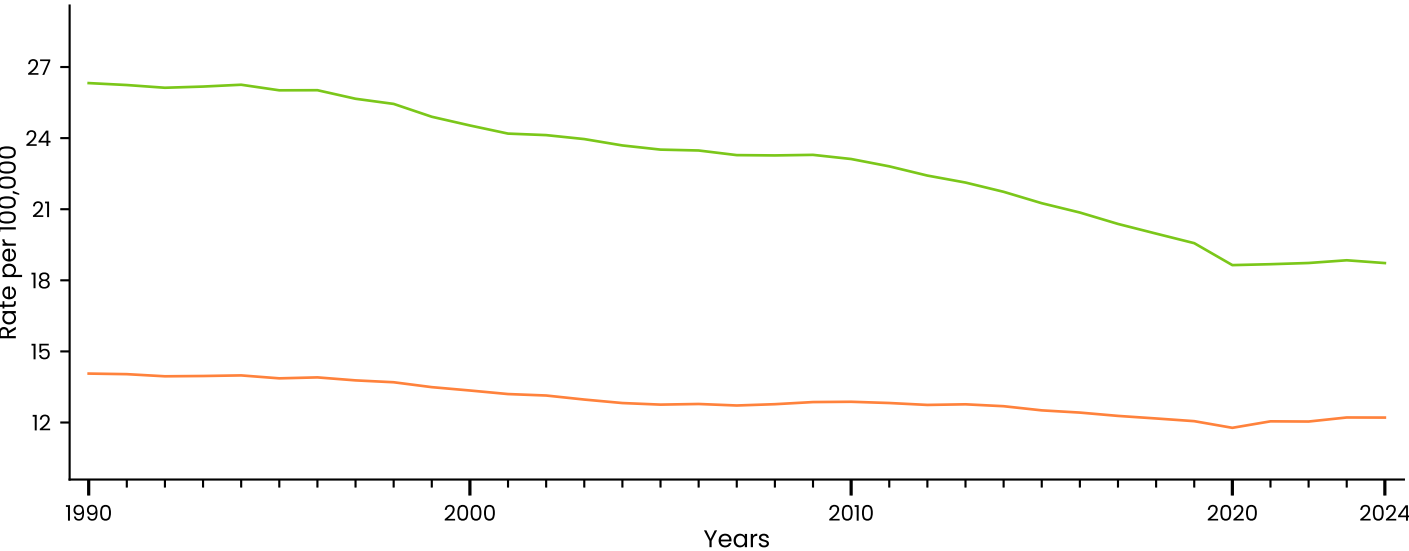
African Region includes: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African, Republic, Chad, Comoros, Congo, Cote d Ivoire, Democratic Republic of the Congo, Equatorial Guinea, Eritrea, Eswatini, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, South Africa, South Sudan, Tanzania, Togo, Uganda, Zambia, and Zimbabwe

African Region (WHO)

Trends in age-standardized alcohol-attributable rates

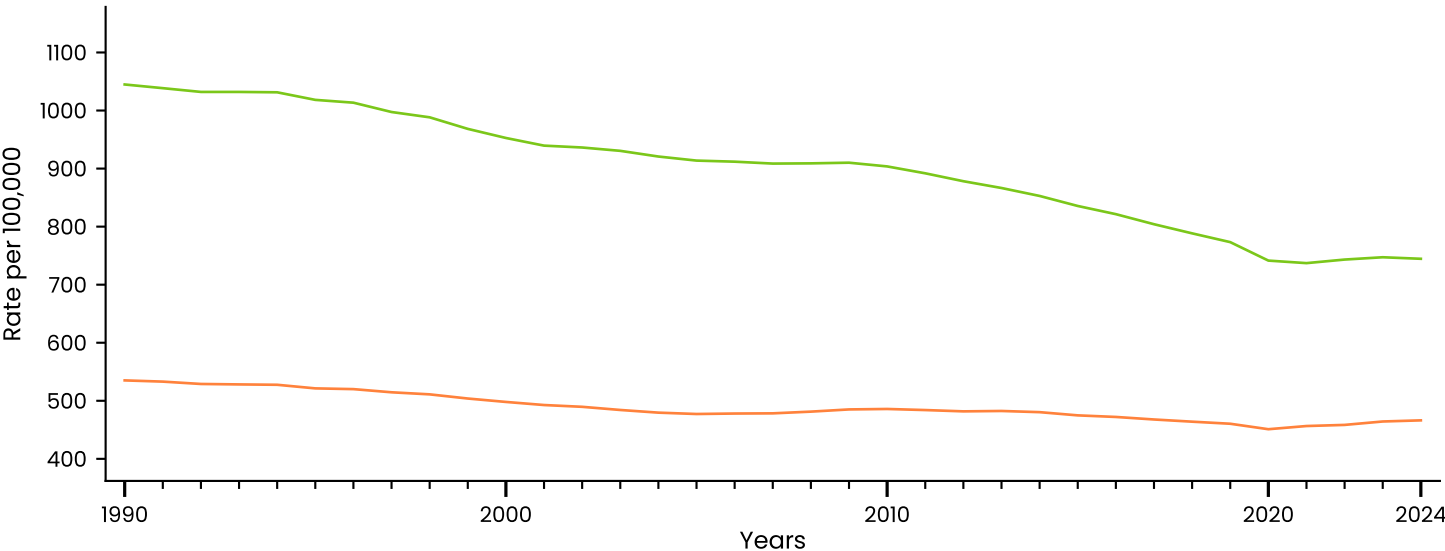
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	23.12	18.73	-18.99%
Non-communicable diseases (NCD)	12.87	12.21	-5.18%



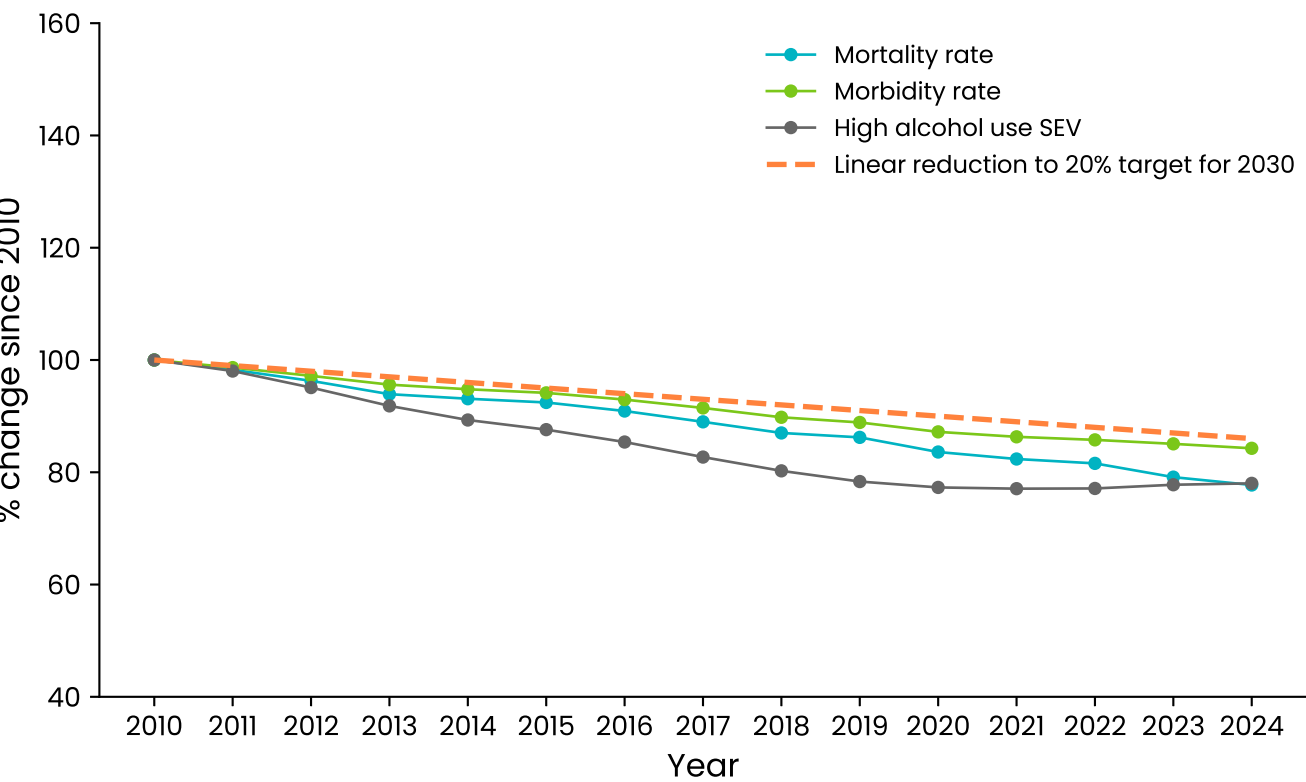
Morbidity

	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	903.73	744.61	-17.61%
Non-communicable diseases (NCD)	485.91	466.28	-4.04%



Eastern Mediterranean (WHO)

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	3.15	158.16	0.30
2024	2.45	133.28	0.23
Percent change 2010–2024	-22.27%	-15.73%	-21.98%

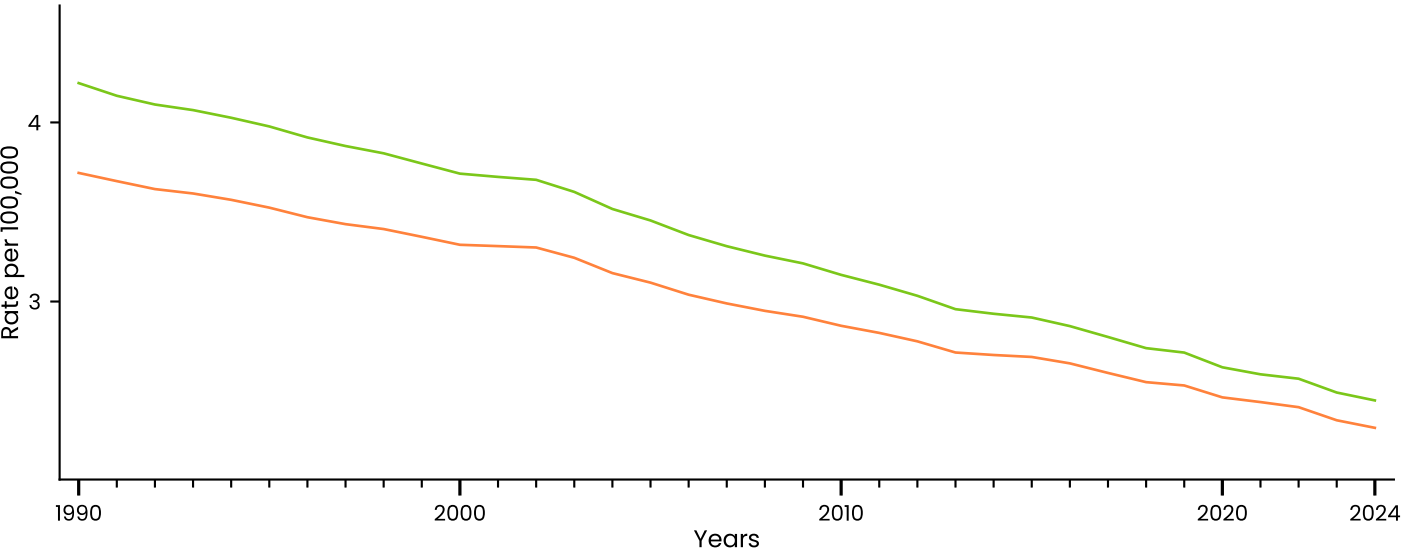
Eastern Mediterranean Region includes: Afghanistan, Bahrain, Djibouti, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Pakistan, Qatar, Saudi Arabia, Somalia, Sudan, Syria, Tunisia, United Arab Emirates, Yemen

Eastern Mediterranean (WHO)

Trends in age-standardized alcohol-attributable rates

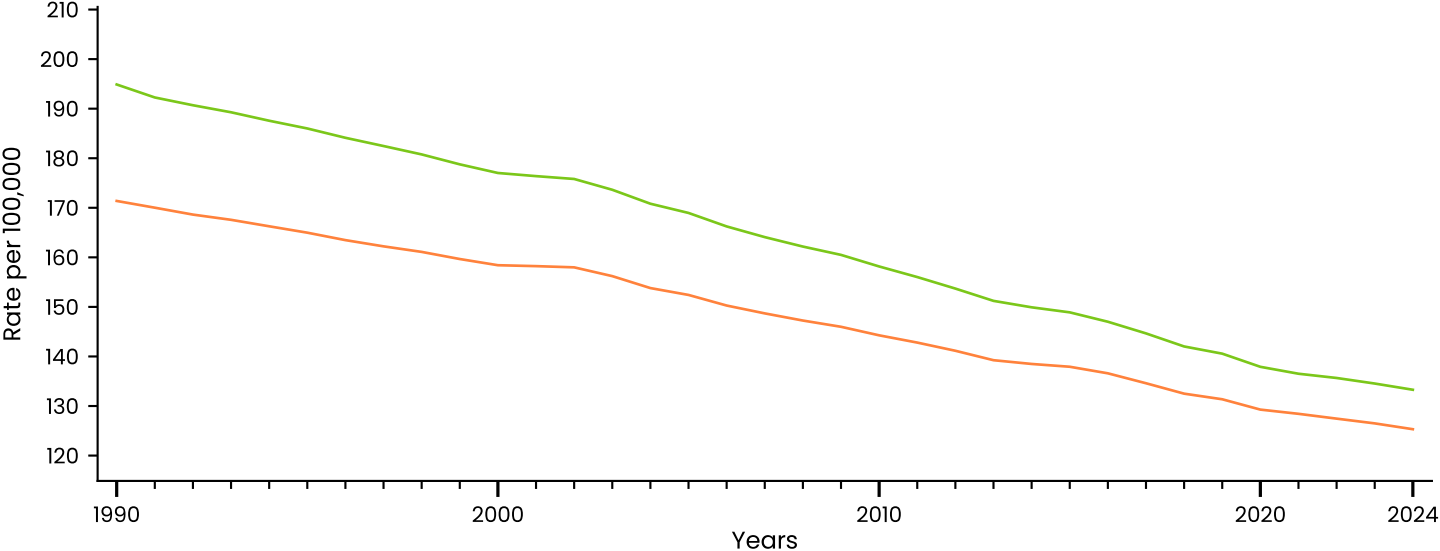
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	3.15	2.45	-22.27%
Non-communicable diseases (NCD)	2.86	2.29	-19.89%



Morbidity

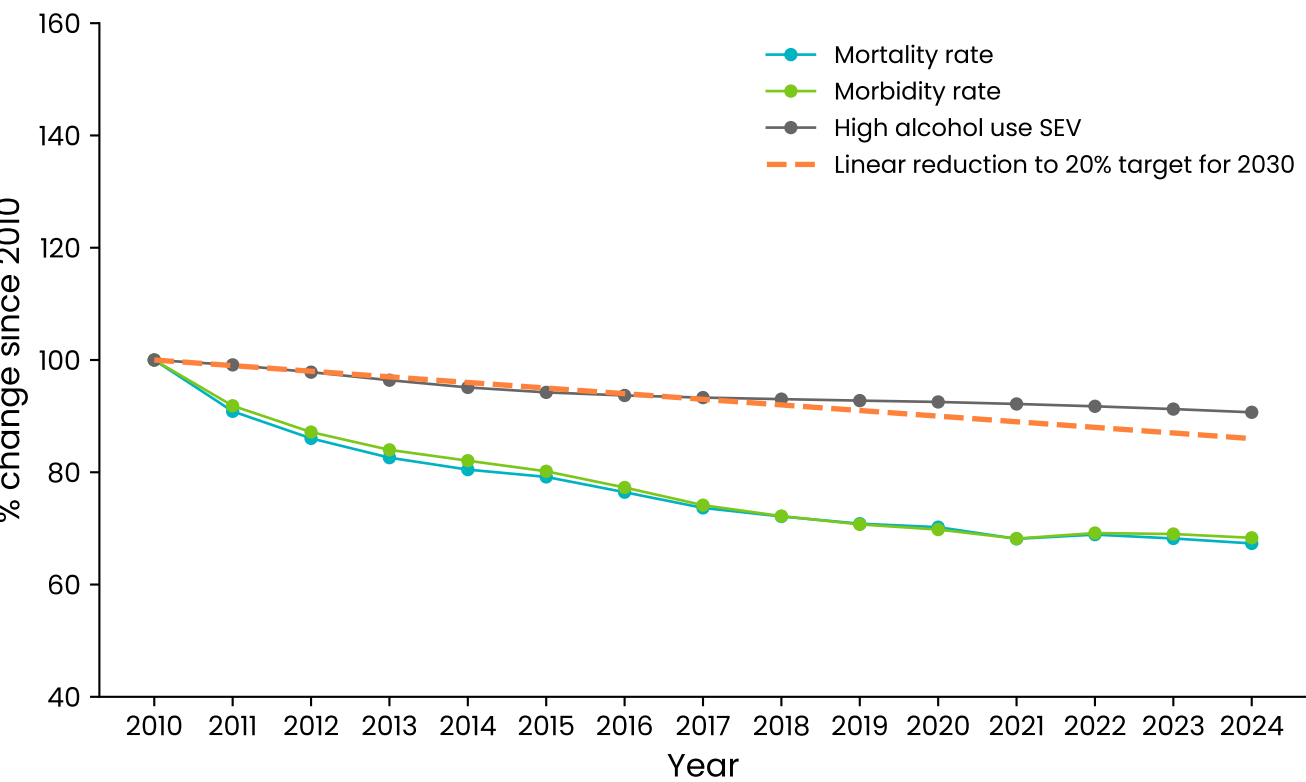
	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	158.16	133.28	-15.73%
Non-communicable diseases (NCD)	144.26	125.32	-13.13%



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European Region (WHO)

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	34.93	1576.25	13.89
2024	23.52	1076.91	12.60
Percent change 2010–2024	–32.68%	–31.68%	–9.32%

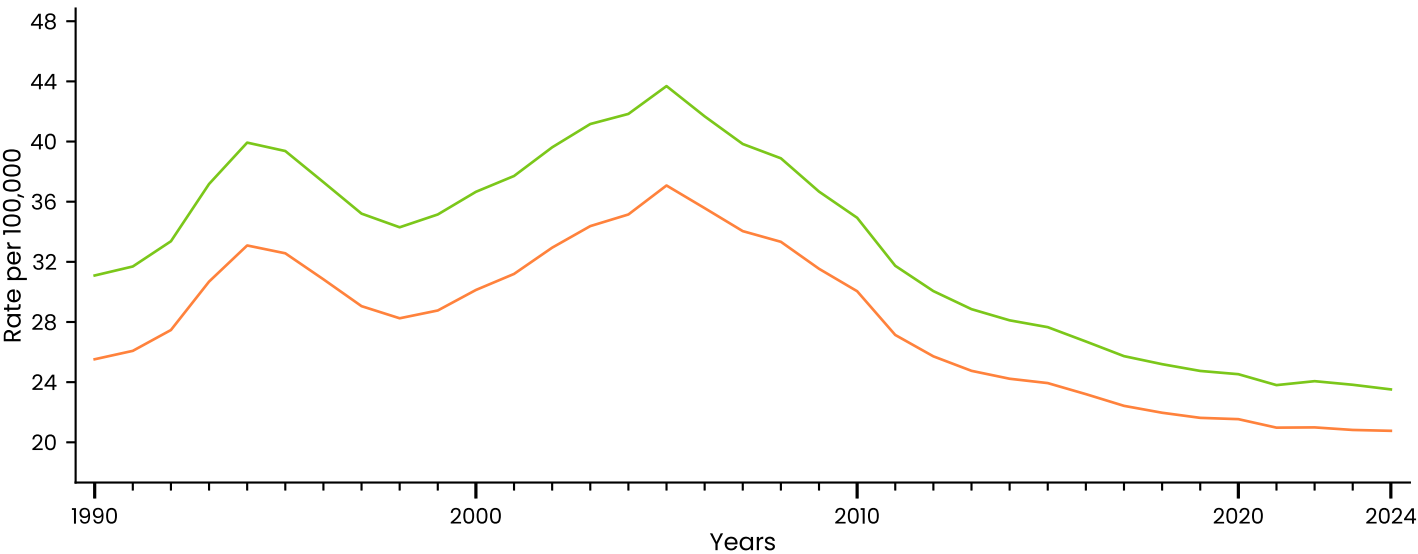
European Region includes: Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Luxembourg, Malta, Moldova, Monaco, Montenegro, Netherland, North Macedonia, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Turkiye, Turkmenistan, Ukraine, nUnited Kingdom, Uzbekistan

European Region (WHO)

Trends in age-standardized alcohol-attributable rates

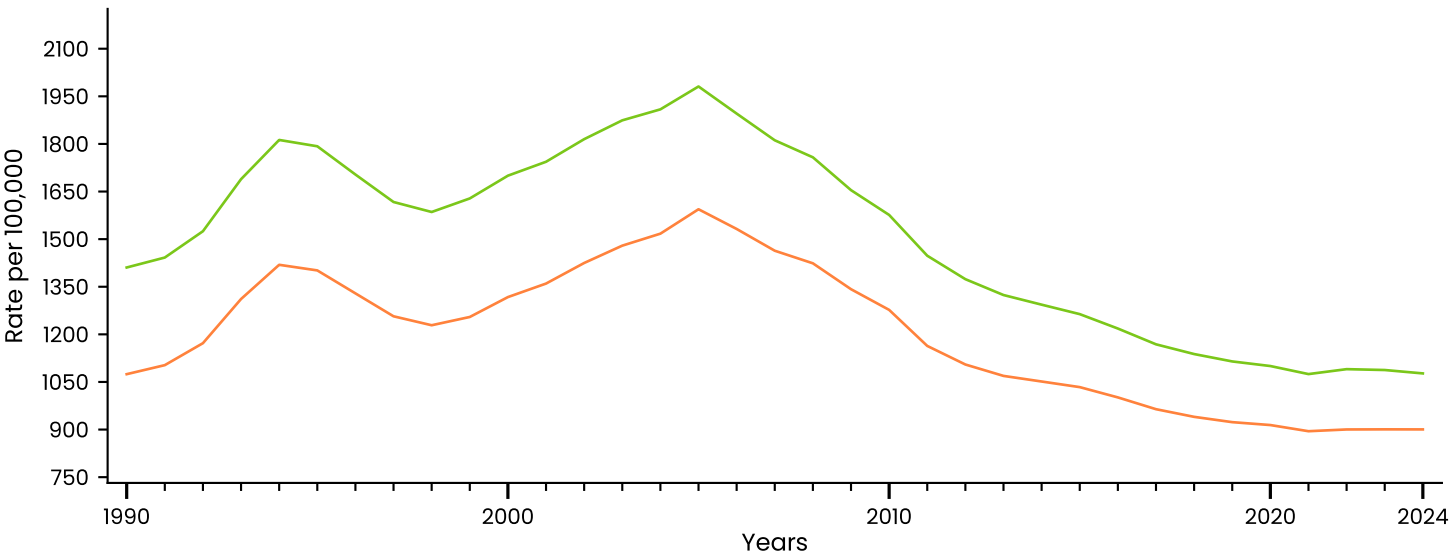
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	34.93	23.52	–32.68%
Non-communicable diseases (NCD)	30.05	20.76	–30.90%



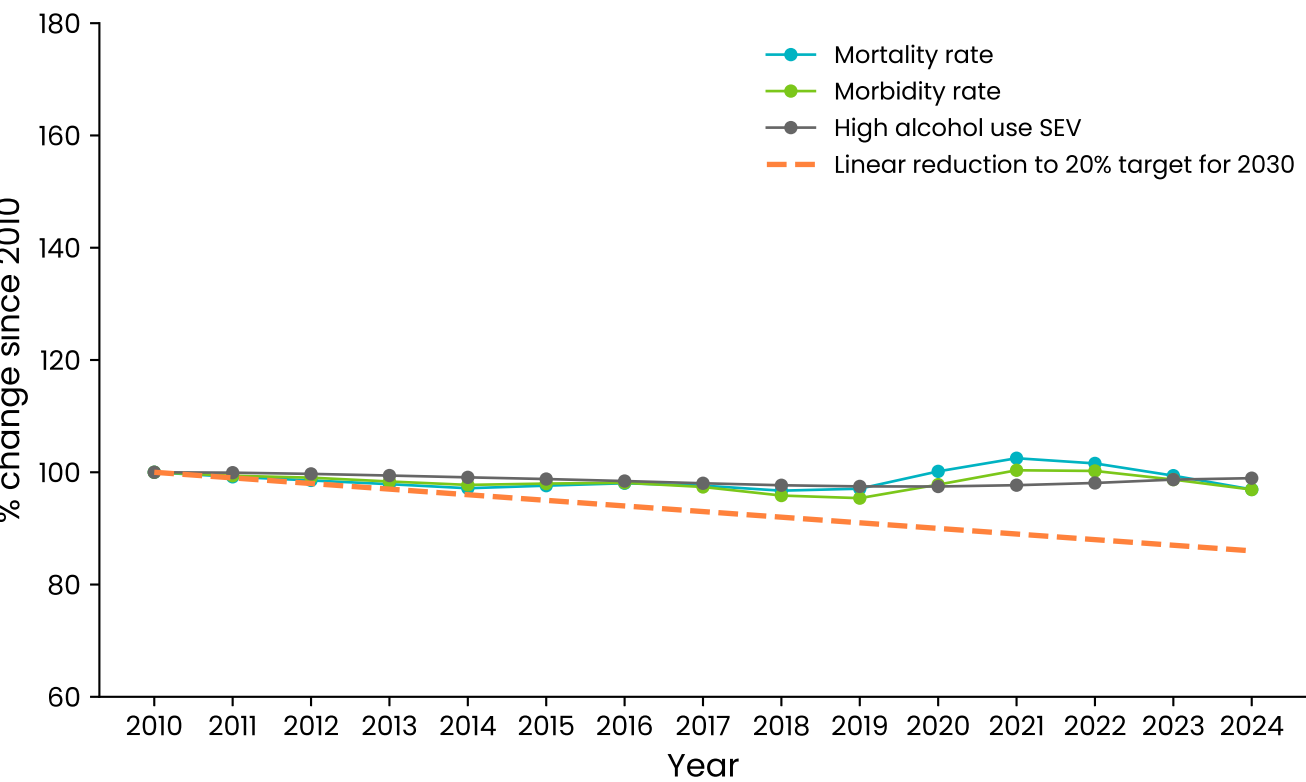
Morbidity

	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	1576.25	1076.91	–31.68%
Non-communicable diseases (NCD)	1277.10	900.47	–29.49%



Region of the Americas (WHO)

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	19.11	985.86	10.63
2024	18.53	955.41	10.52
Percent change 2010–2024	–3.06%	–3.09%	–1.05%

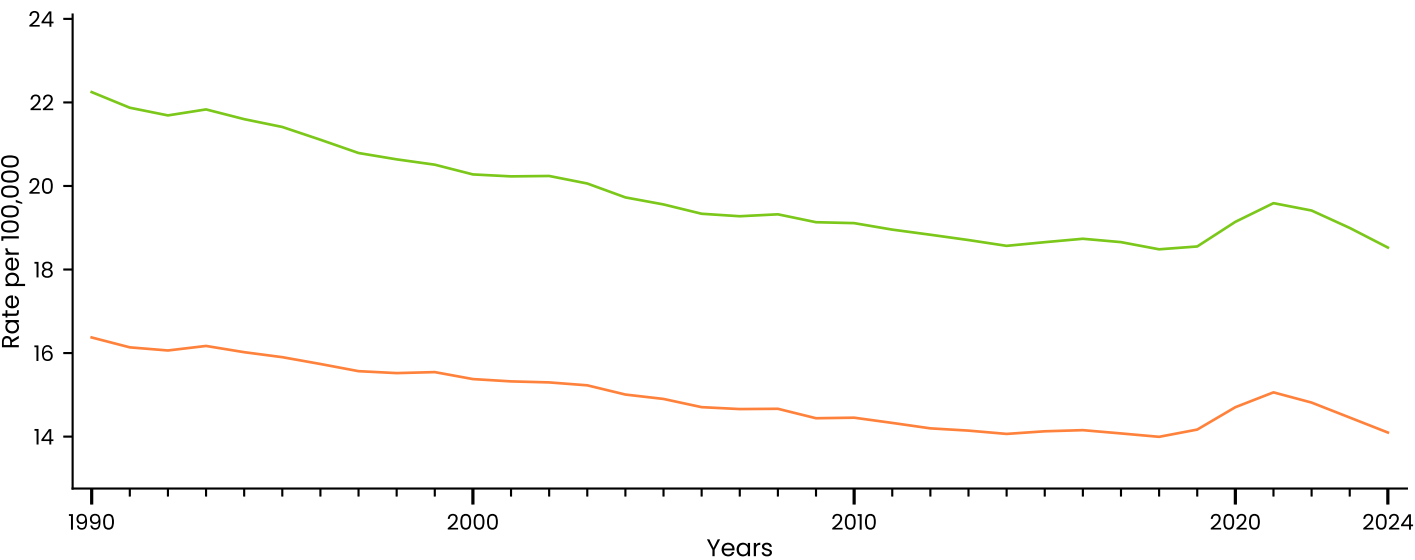
Region of the Americas includes: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, United States of America, Uruguay, Venezuela

Region of the Americas (WHO)

Trends in age-standardized alcohol-attributable rates

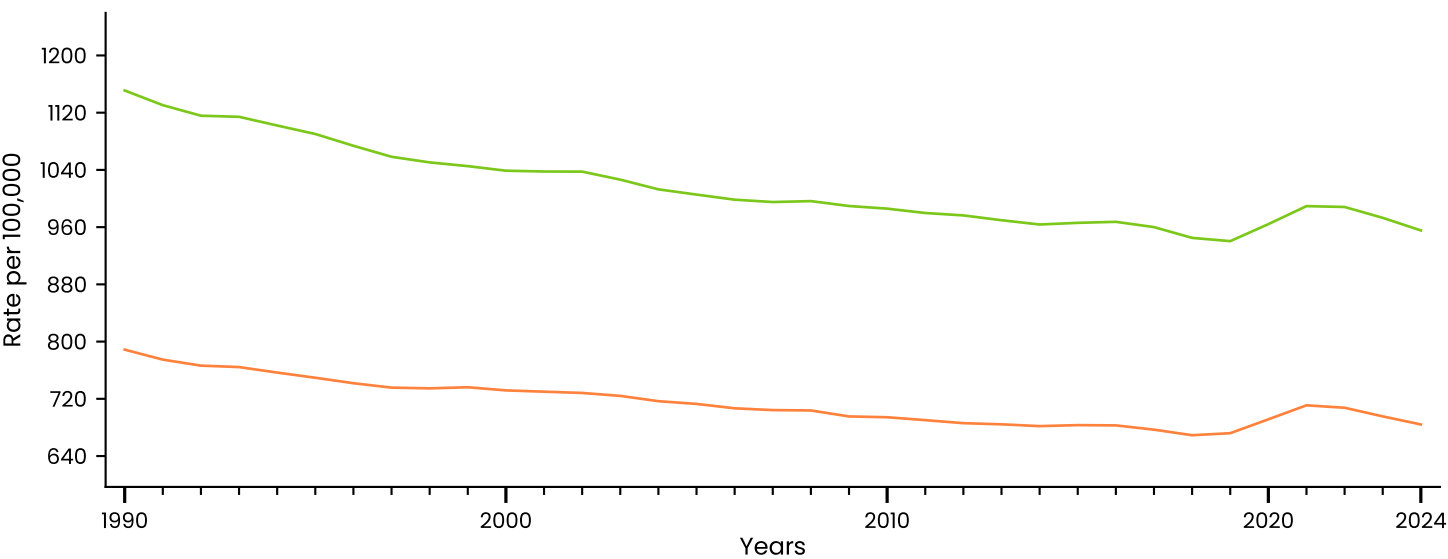
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	19.11	18.53	-3.06%
Non-communicable diseases (NCD)	14.45	14.10	-2.46%



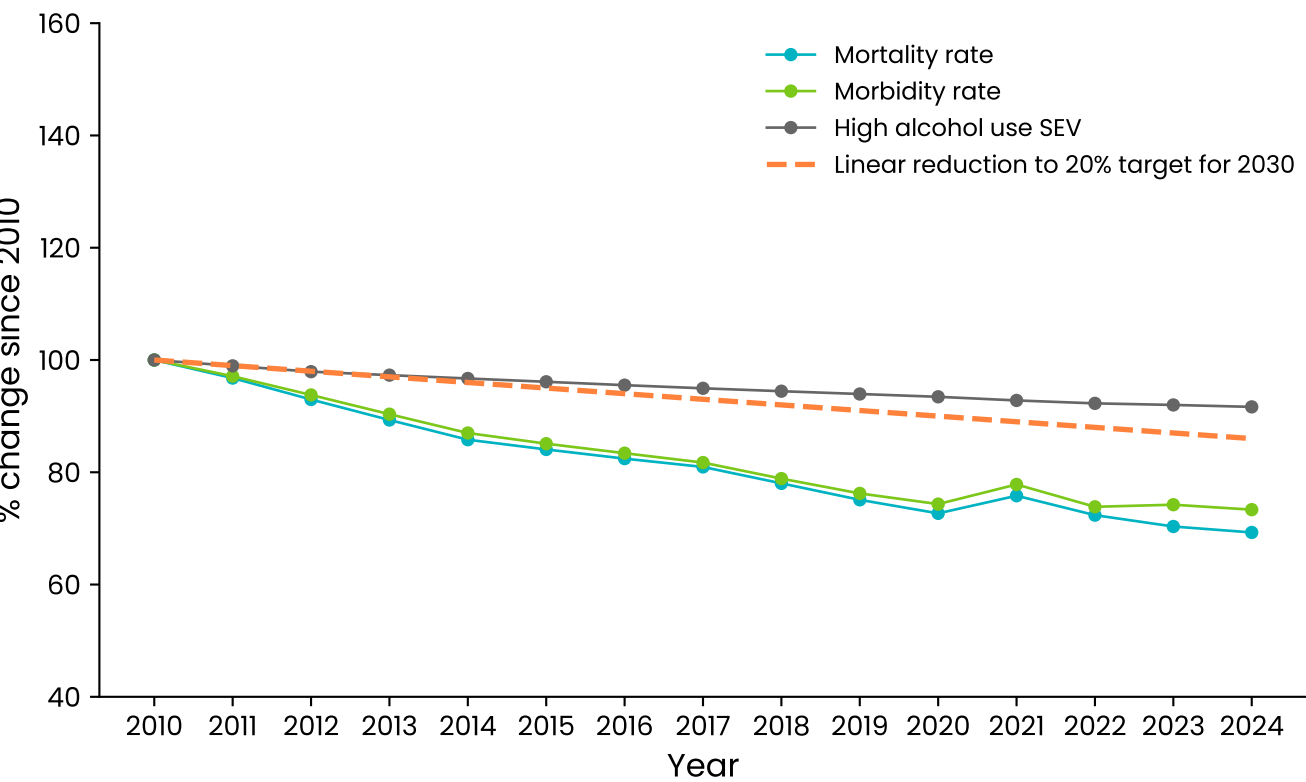
Morbidity

	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	985.86	955.41	-3.09%
Non-communicable diseases (NCD)	694.24	684.18	-1.45%



South-East Asia Region (WHO)

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	14.85	650.40	1.97
2024	10.29	477.00	1.80
Percent change 2010–2024	–30.72%	–26.66%	–8.35%

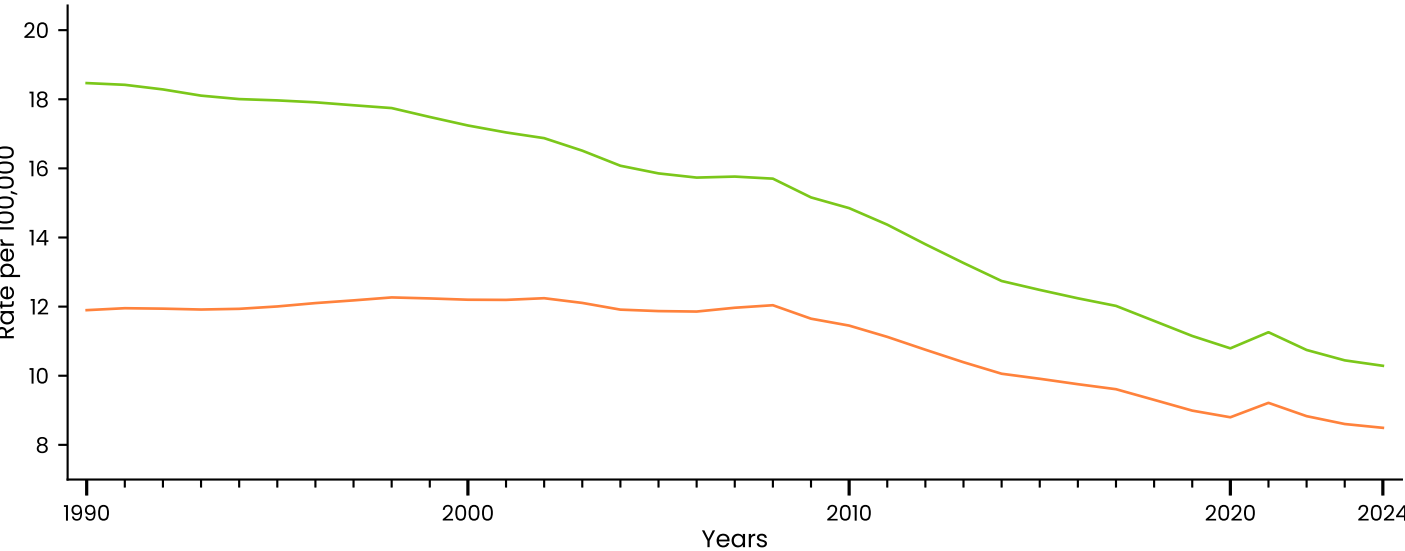
South-East Asia Region includes: Bangladesh, Bhutan, India, Maldives, Myanmar, Nepal, North Korea, Sri Lanka, Thailand, Timor-Leste

South-East Asia Region (WHO)

Trends in age-standardized alcohol-attributable rates

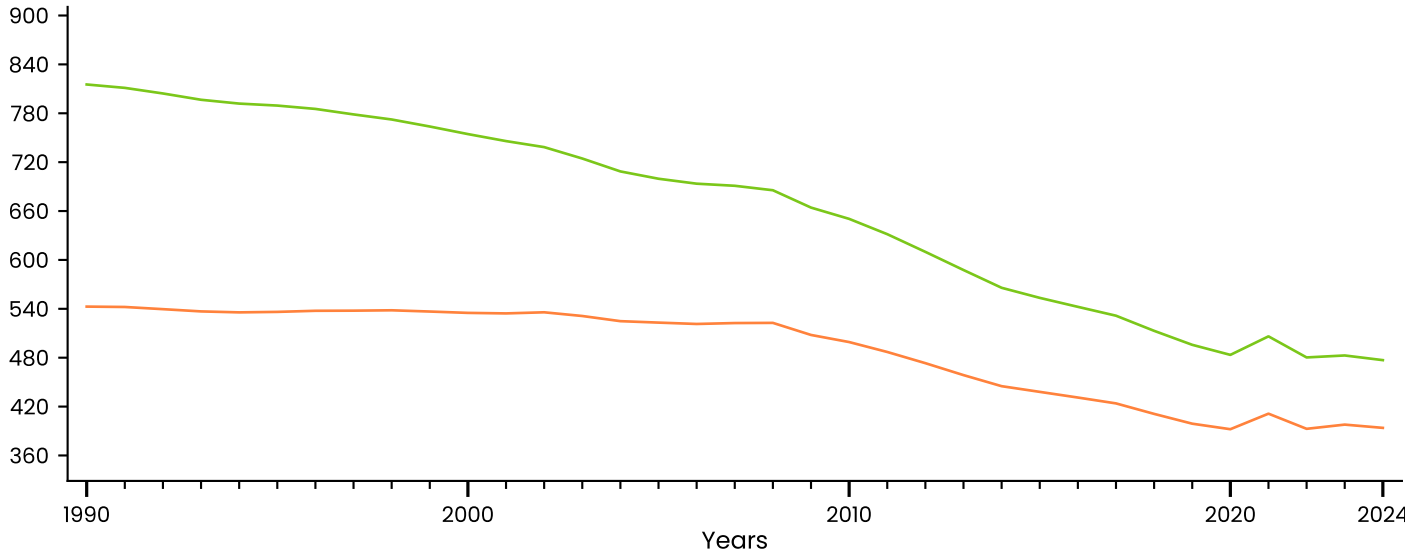
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	14.85	10.29	-30.72%
Non-communicable diseases (NCD)	11.45	8.49	-25.83%



Morbidity

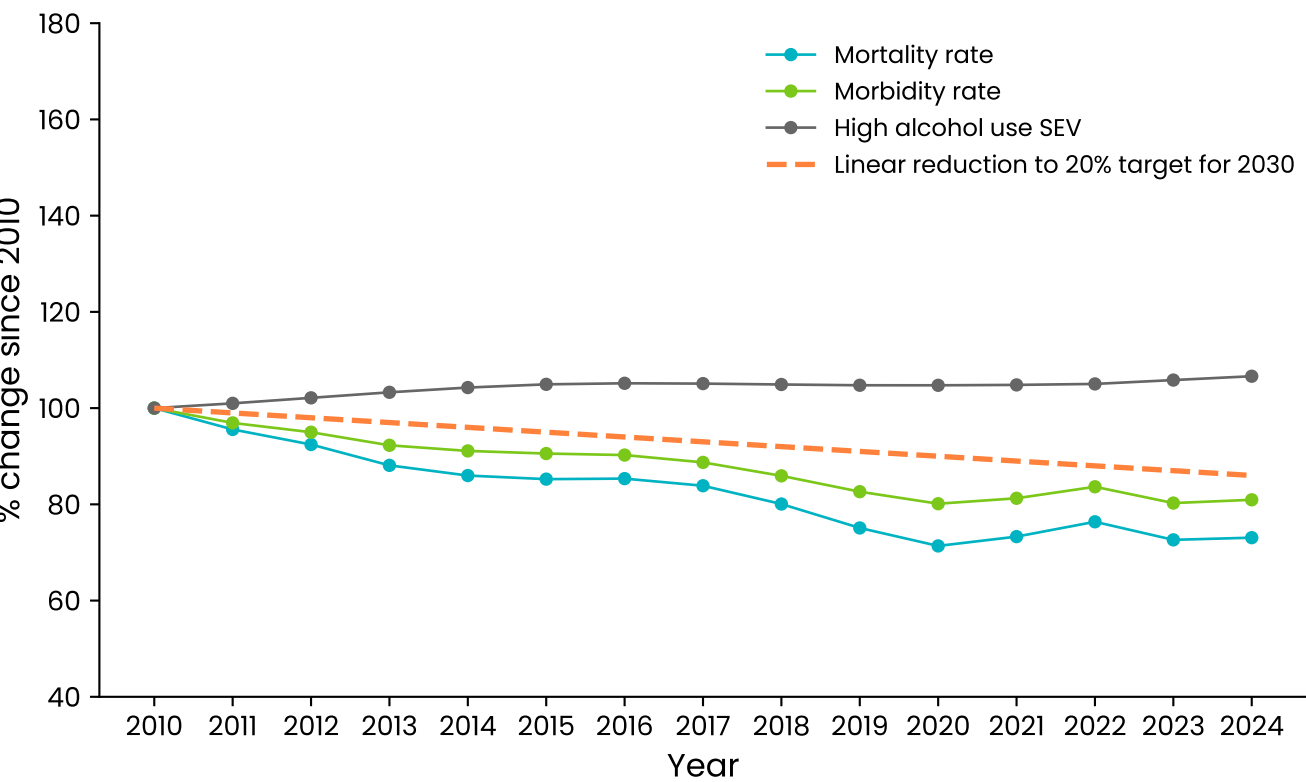
	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	650.40	477.00	-26.66%
Non-communicable diseases (NCD)	499.20	393.87	-21.10%



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Western Pacific Region (WHO)

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	15.71	657.44	6.98
2024	11.48	532.17	7.44
Percent change 2010–2024	-26.93%	-19.05%	6.63%

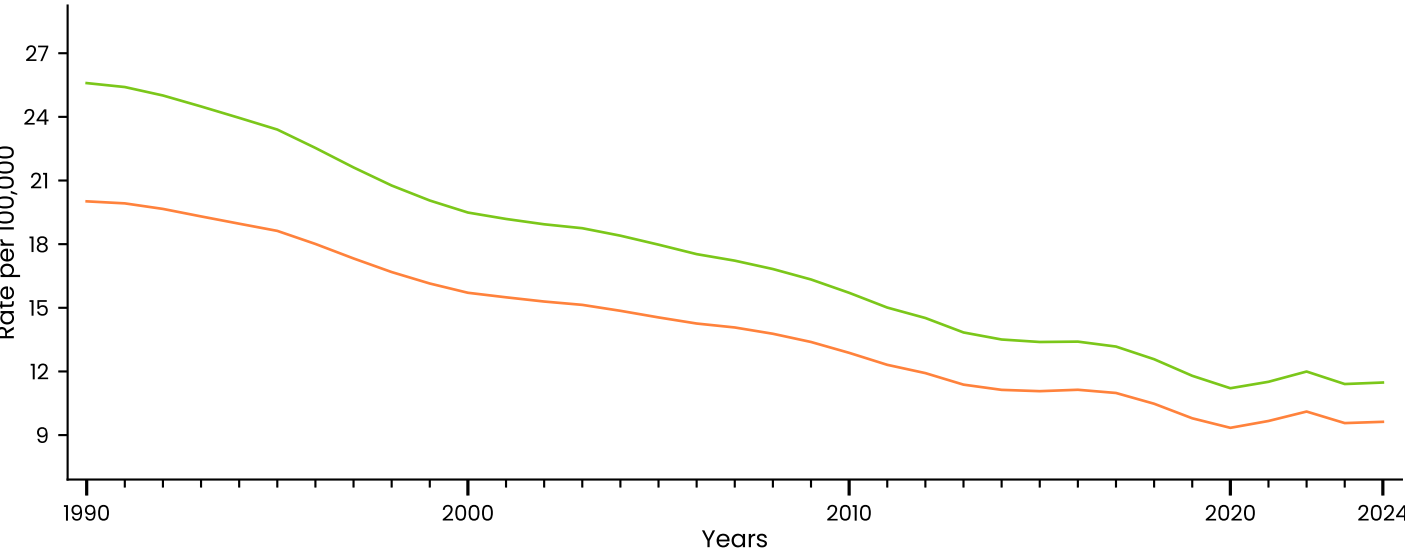
Western Pacific Region includes: Australia, Brunei, Cambodia, China, Federated States of Micronesia, Fiji, Indonesia, Japan, Kiribati, Laos, Malaysia, Marshall Islands, Mongolia, New Zealand, Palau, Papua New Guinea, Philippines, South Korea, Samoa, Singapore, Solomon Islands, Tonga, Tuvalu, Vanuatu, Viet Nam

Western Pacific Region (WHO)

Trends in age-standardized alcohol-attributable rates

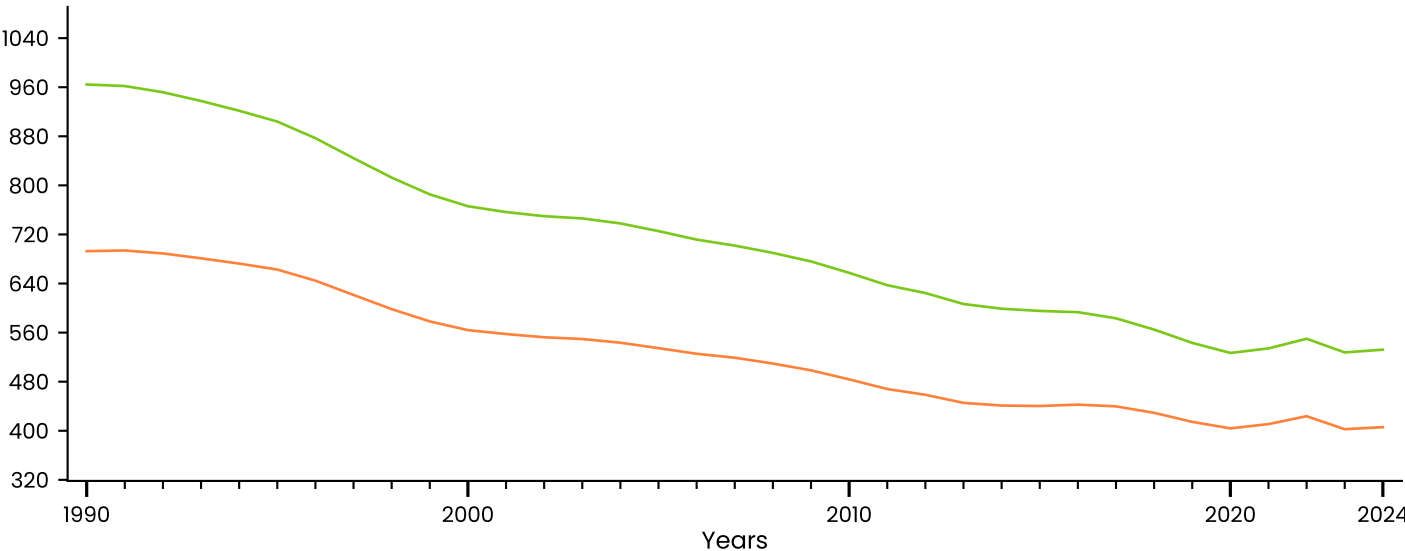
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	15.71	11.48	-26.93%
Non-communicable diseases (NCD)	12.88	9.63	-25.25%



Morbidity

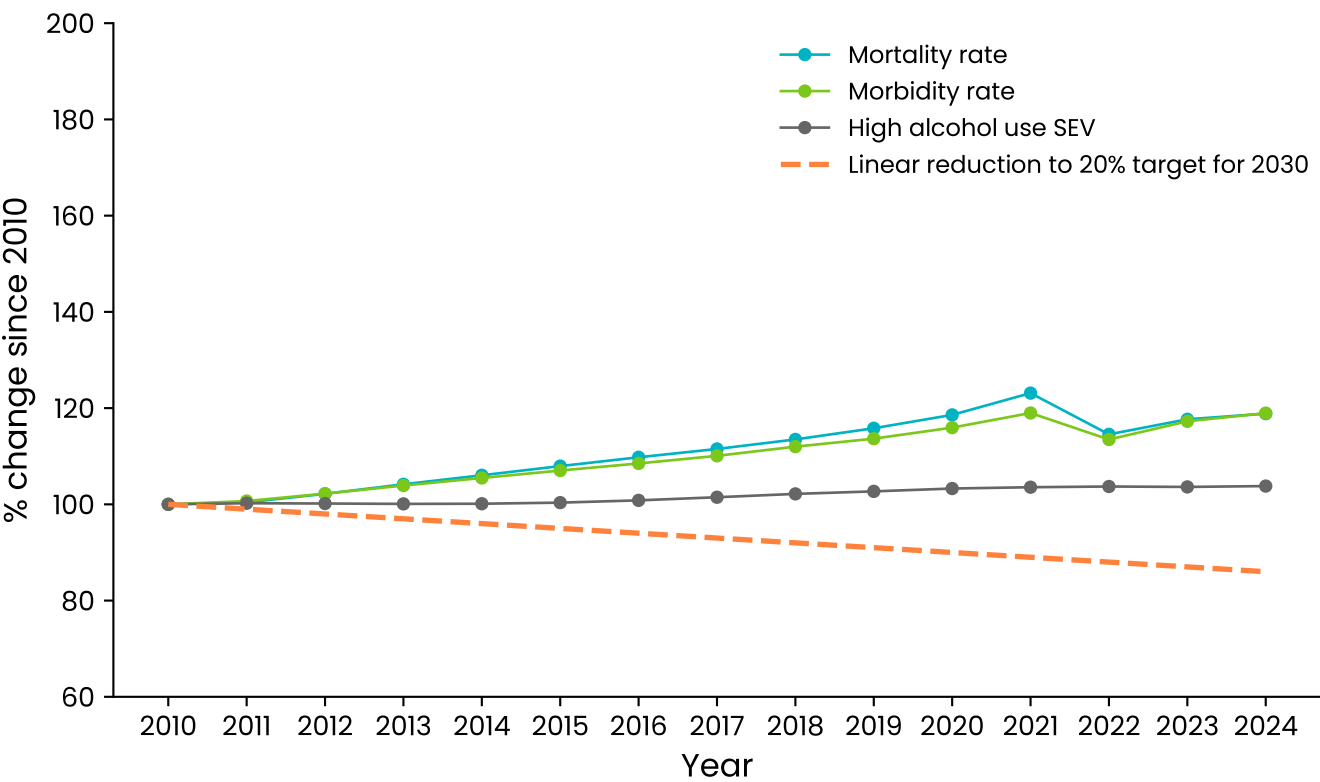
	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	657.44	532.17	-19.05%
Non-communicable diseases (NCD)	483.77	405.90	-16.10%



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Caribbean

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	21.36	969.88	7.84
2024	25.38	1153.76	8.14
Percent change 2010–2024	18.85%	18.96%	3.80%

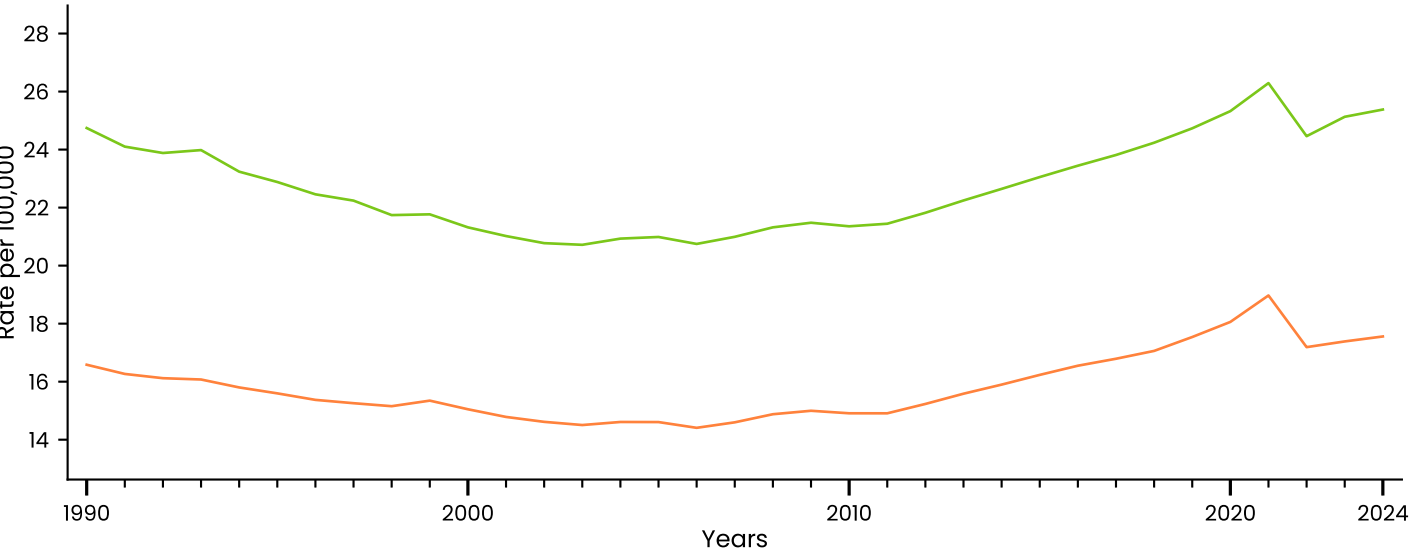
The Caribbean includes: Antigua and Barbuda, Bahamas, Barbados, Belize, Cuba, Dominica, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago

Caribbean

Trends in age-standardized alcohol-attributable rates

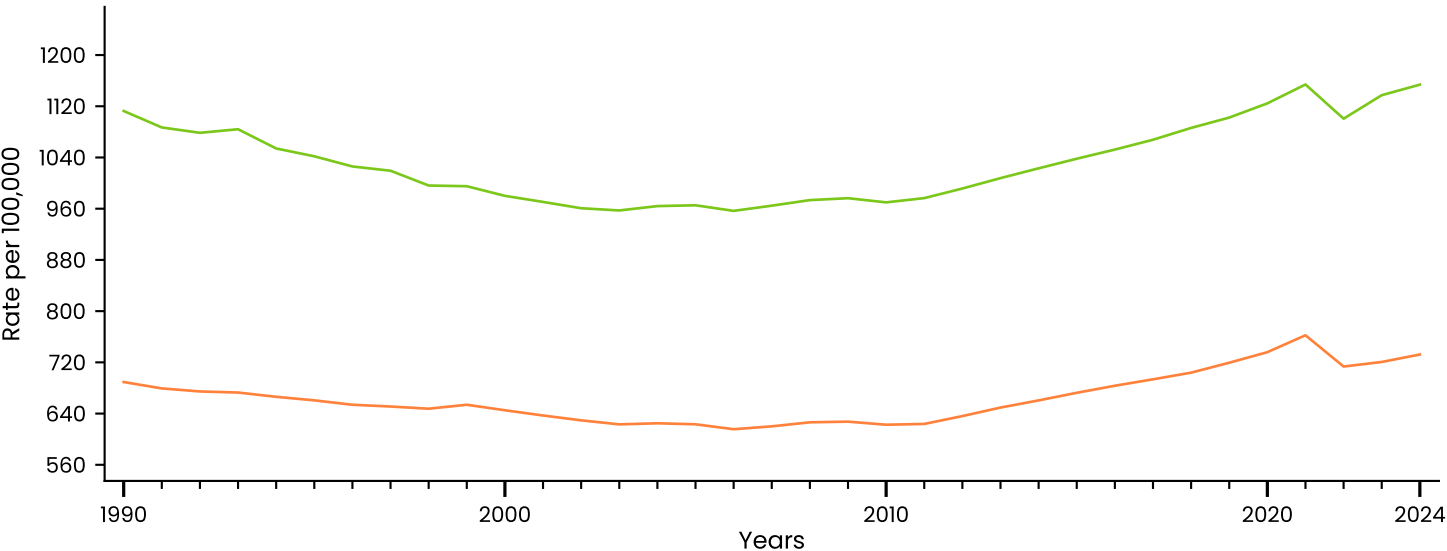
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	21.36	25.38	18.85%
Non-communicable diseases (NCD)	14.91	17.56	17.76%



Morbidity

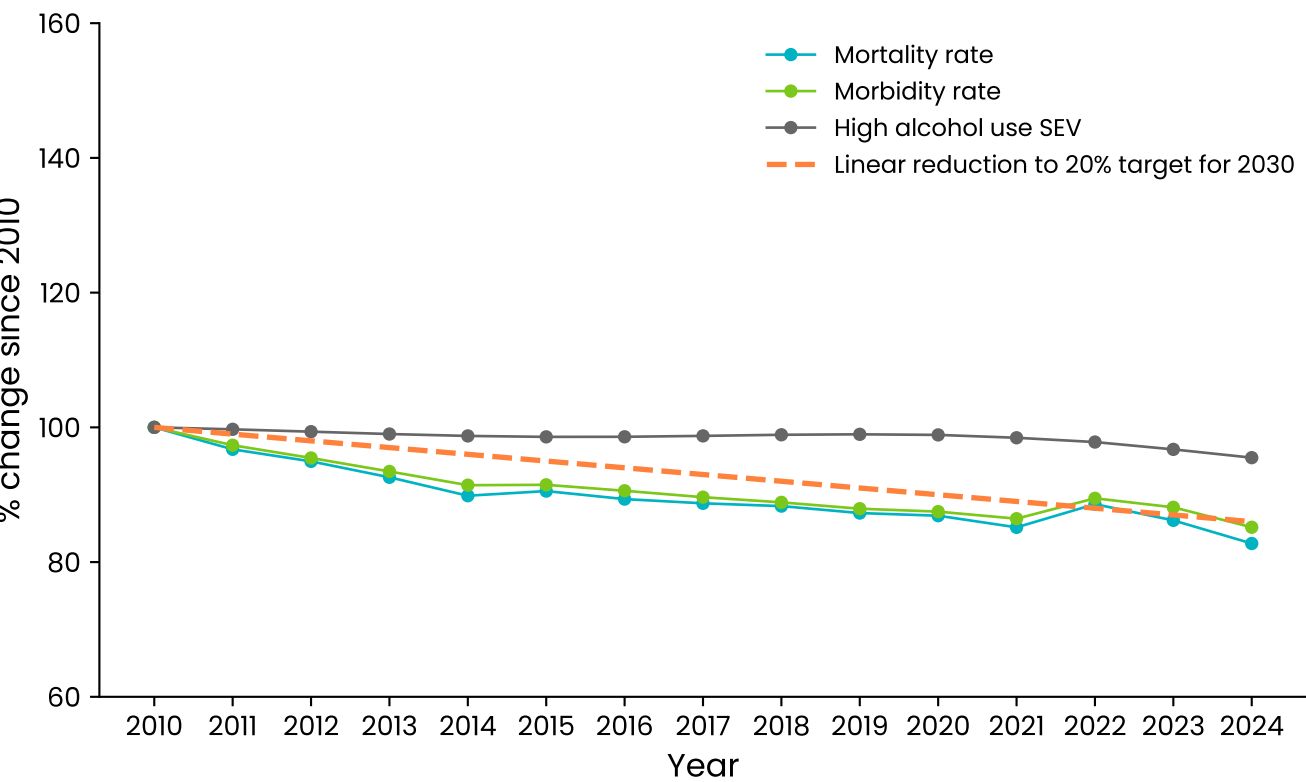
	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	969.88	1153.76	18.96%
Non-communicable diseases (NCD)	622.59	732.26	17.61%



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European Union

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	22.83	1013.00	16.15
2024	18.89	862.77	15.43
Percent change 2010–2024	-17.24%	-14.83%	-4.50%

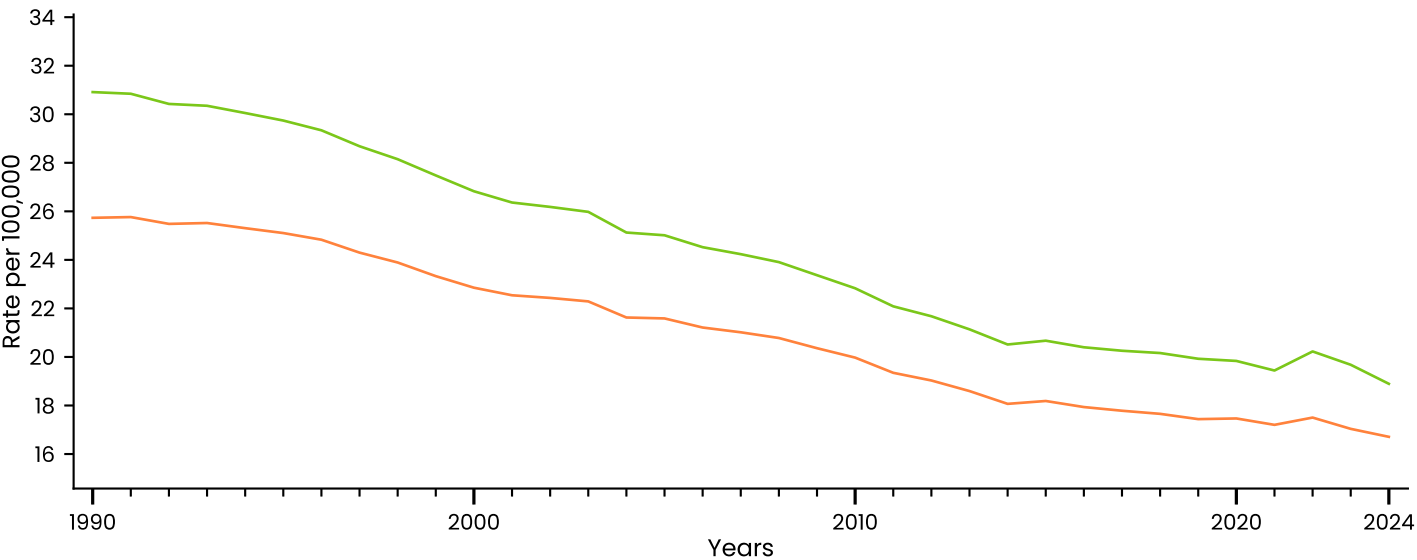
The European Union includes: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden

European Union

Trends in age-standardized alcohol-attributable rates

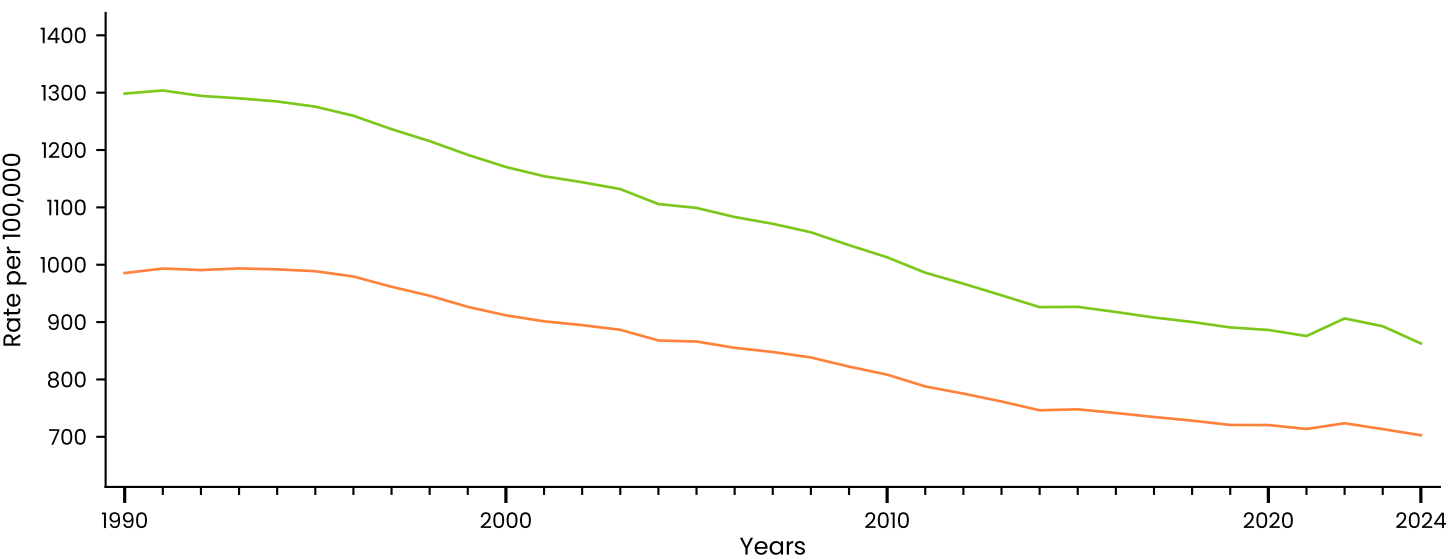
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	22.83	18.89	-17.24%
Non-communicable diseases (NCD)	19.97	16.71	-16.34%



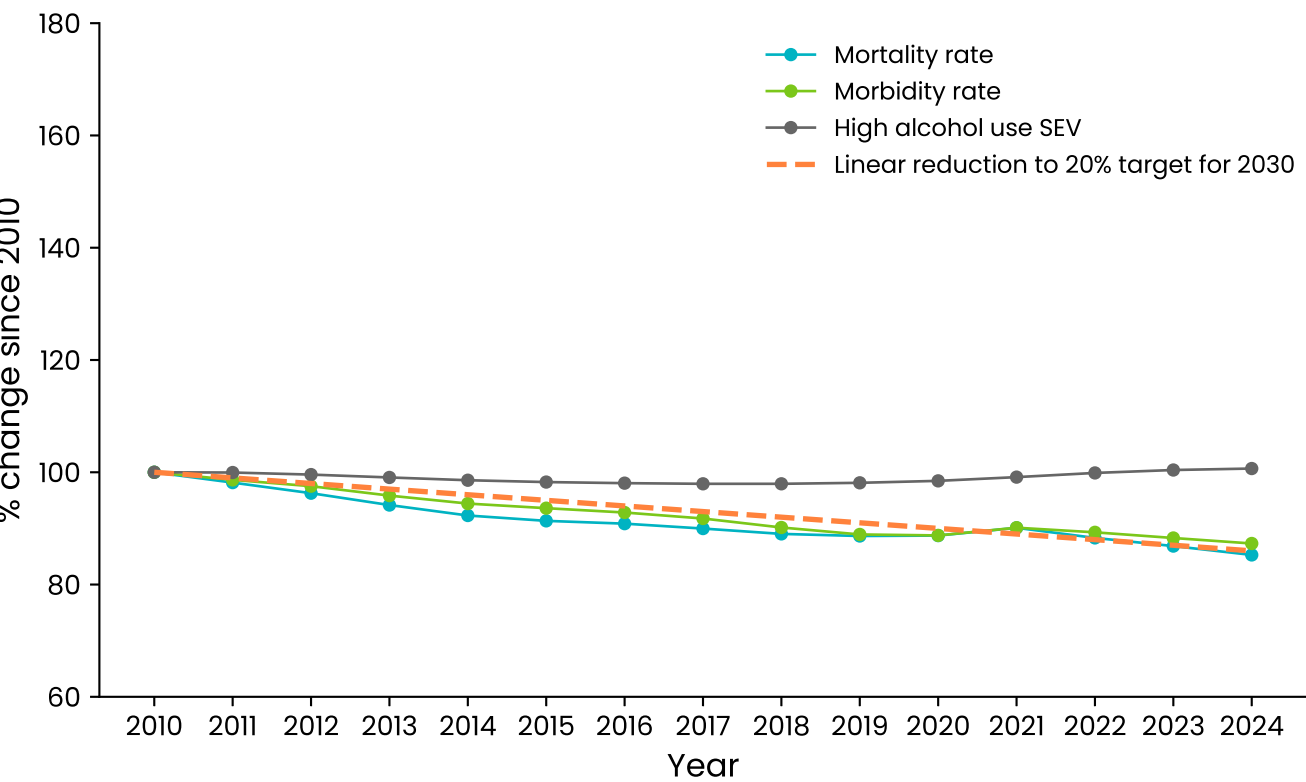
Morbidity

	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	1013.00	862.77	-14.83%
Non-communicable diseases (NCD)	808.40	702.77	-13.07%



Latin America & Caribbean

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	21.26	1065.29	7.79
2024	18.13	930.14	7.84
Percent change 2010–2024	-14.72%	-12.69%	0.67%

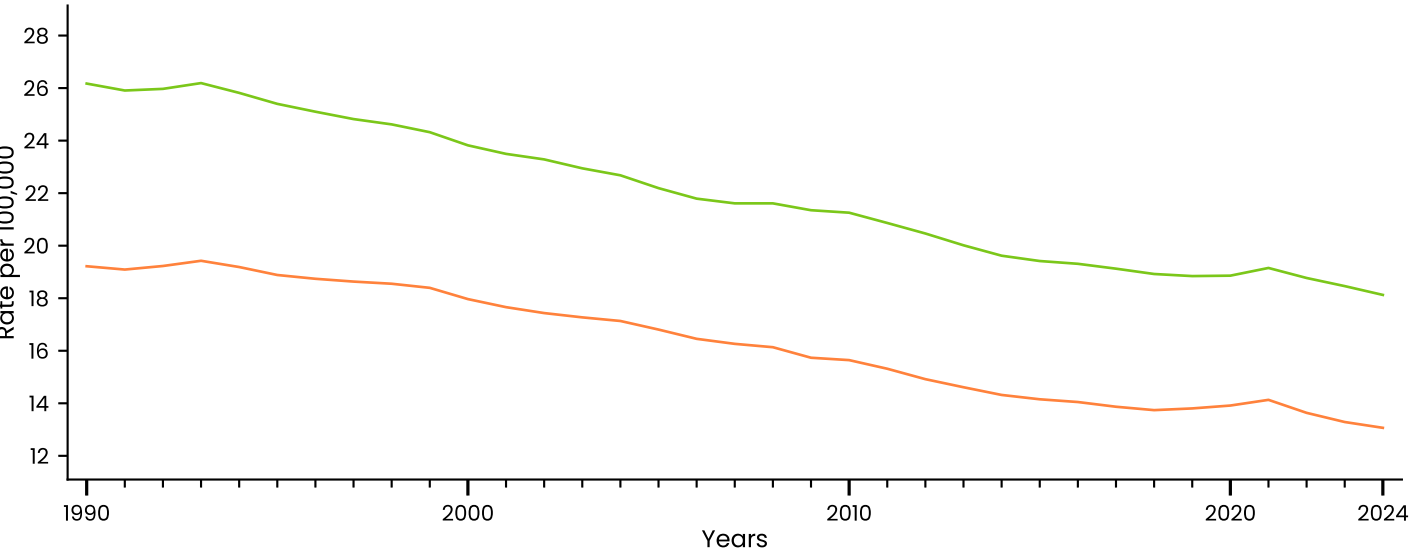
Latin America & Caribbean includes: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Venezuela, Uruguay

Latin America & Caribbean

Trends in age-standardized alcohol-attributable rates

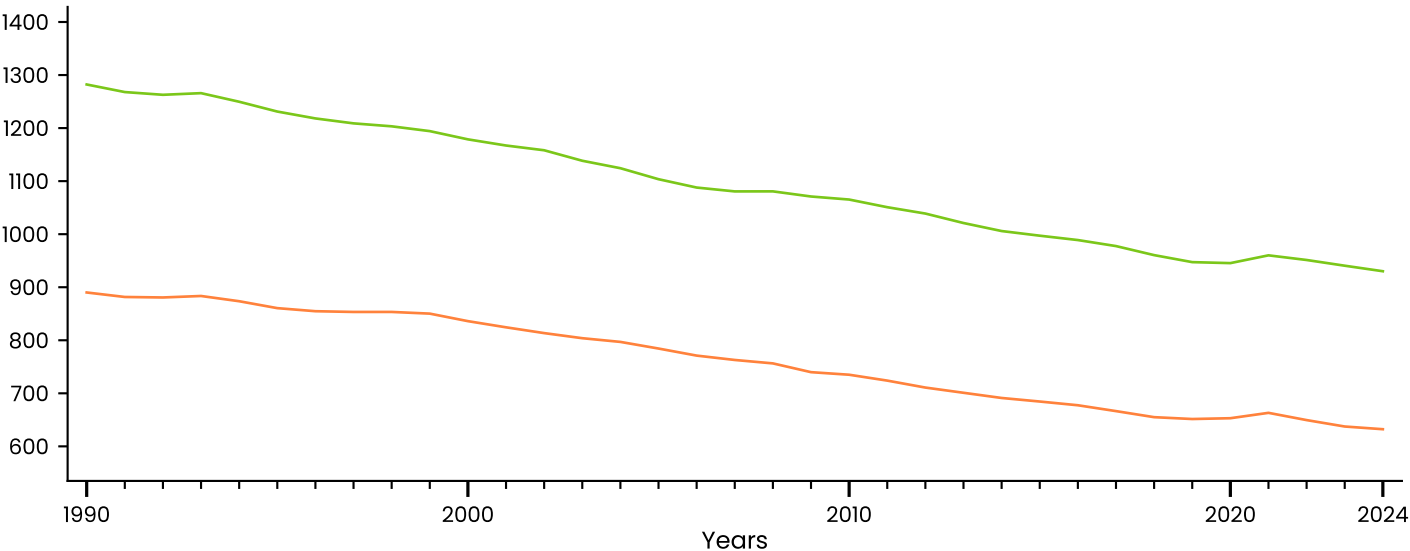
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	21.26	18.13	-14.72%
Non-communicable diseases (NCD)	15.64	13.07	-16.48%



Morbidity

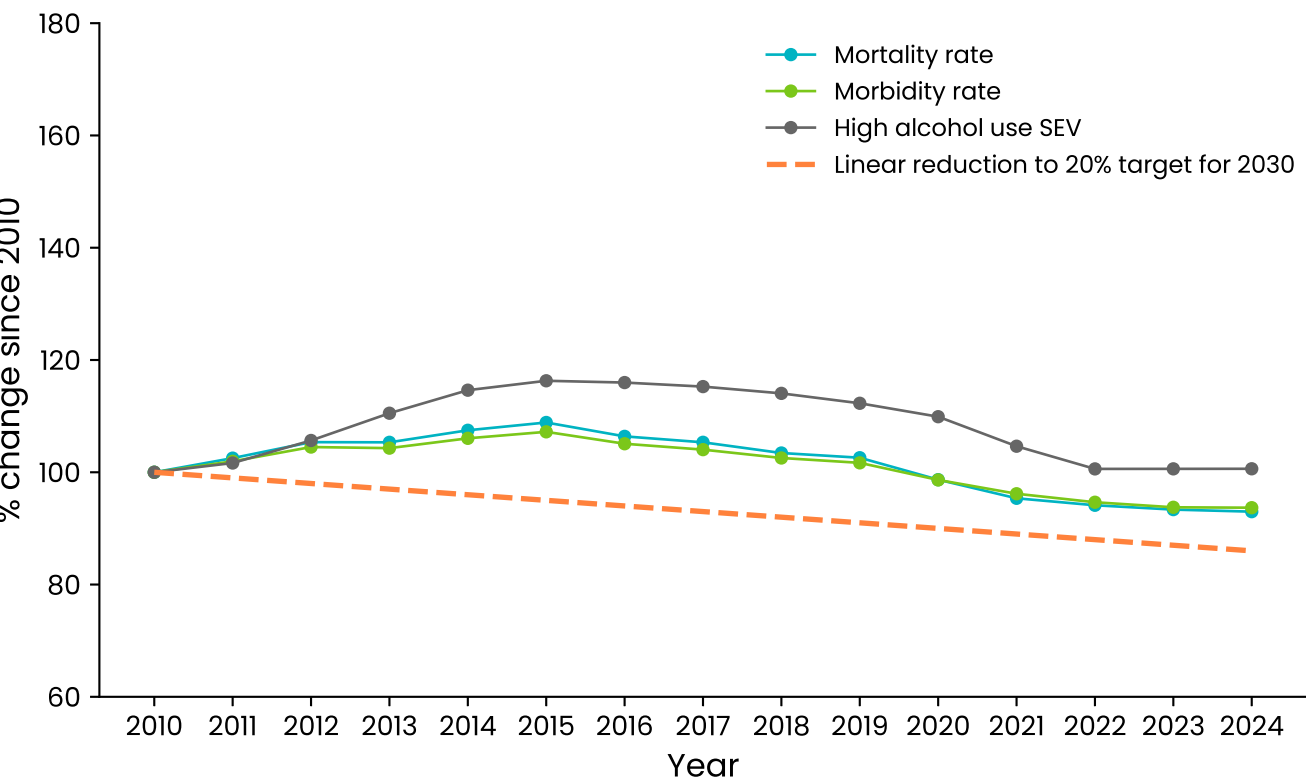
	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	1065.29	930.14	-12.69%
Non-communicable diseases (NCD)	735.03	632.32	-13.97%



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Oceania

Trends in age-standardized alcohol-attributable rates



Year	Mortality rate	Morbidity rate	High alcohol use SEV
2010	6.11	310.99	1.61
2024	5.68	291.36	1.62
Percent change 2010–2024	–7.02%	–6.31%	0.62%

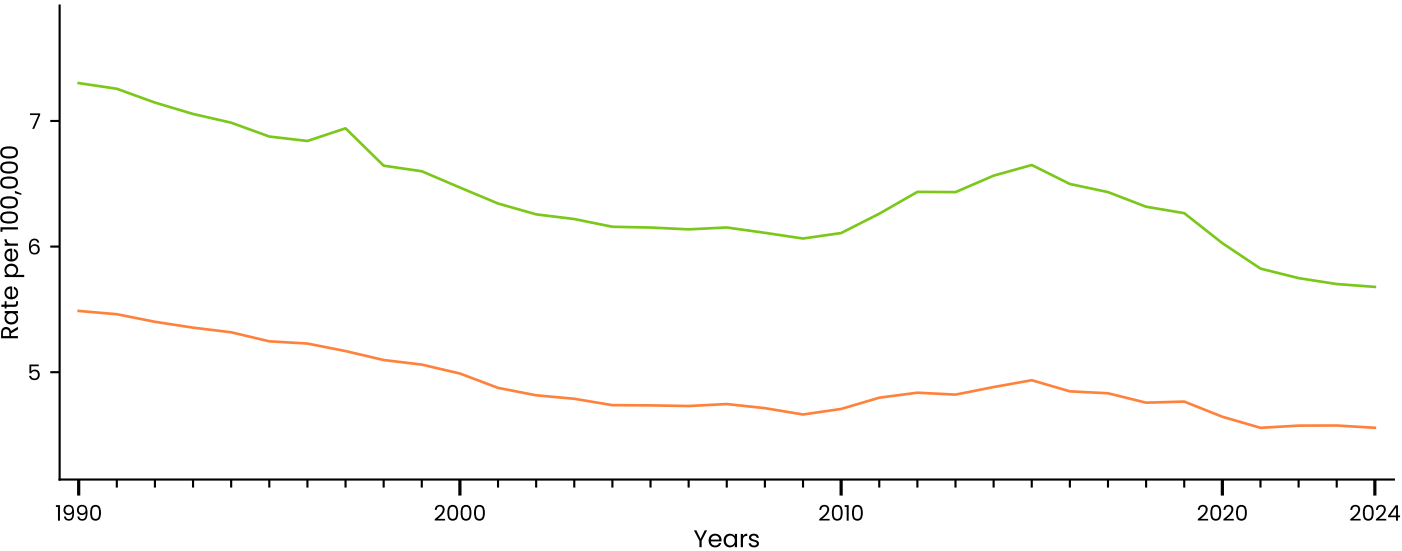
Oceania includes: Federated States of Micronesia, Fiji, Kiribati, Marshall Islands, Nauru, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

Oceania

Trends in age-standardized alcohol-attributable rates

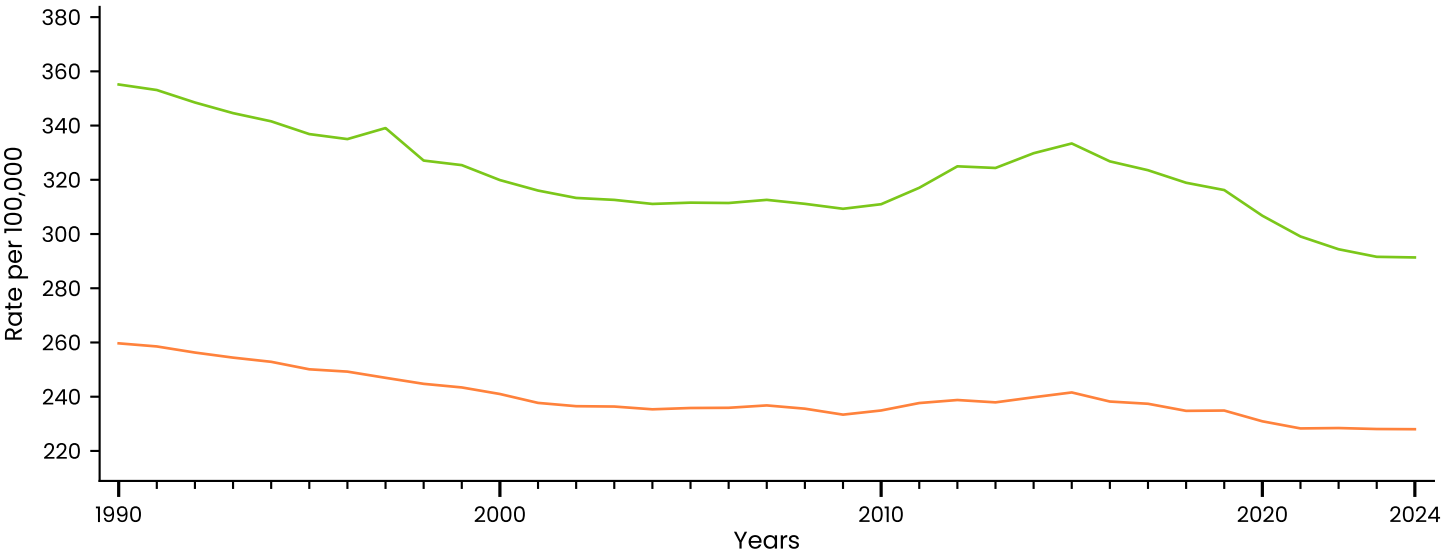
Mortality

	2010 mortality rate	2024 mortality rate	Percent change 2010–2024
All causes	6.11	5.68	-7.02%
Non-communicable diseases (NCD)	4.71	4.56	-3.19%



Morbidity

	2010 morbidity rate	2024 morbidity rate	Percent change 2010–2024
All causes	310.99	291.36	-6.31%
Non-communicable diseases (NCD)	234.92	228.01	-2.94%





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