

Annex 5D. Rate of Change in Decline for Mortality Indicators

Supplemental material for: Osondu, O., J. Qi, Z.D. Olson, G. Yamey, R.A. Nugent and others. 2018. "Annual Rates of Decline in Child, Maternal, Tuberculosis, and Non-Communicable Diseases Mortality Across 109 Countries of Low- and Middle Income from 1999 to 2015." In *Disease Control Priorities* (third edition). Volume 9, *Disease Control Priorities: Improving Health and Reducing Poverty*, edited by D.T. Jamison, H. Gelband, S. Horton, P. Jha, R. Laxminarayan, C.N. Mock, and R. Nugent. Washington, DC: World Bank.

Figure 5D.1 Correlation of Rates of Decline in Under-Five Mortality with Number of Deaths

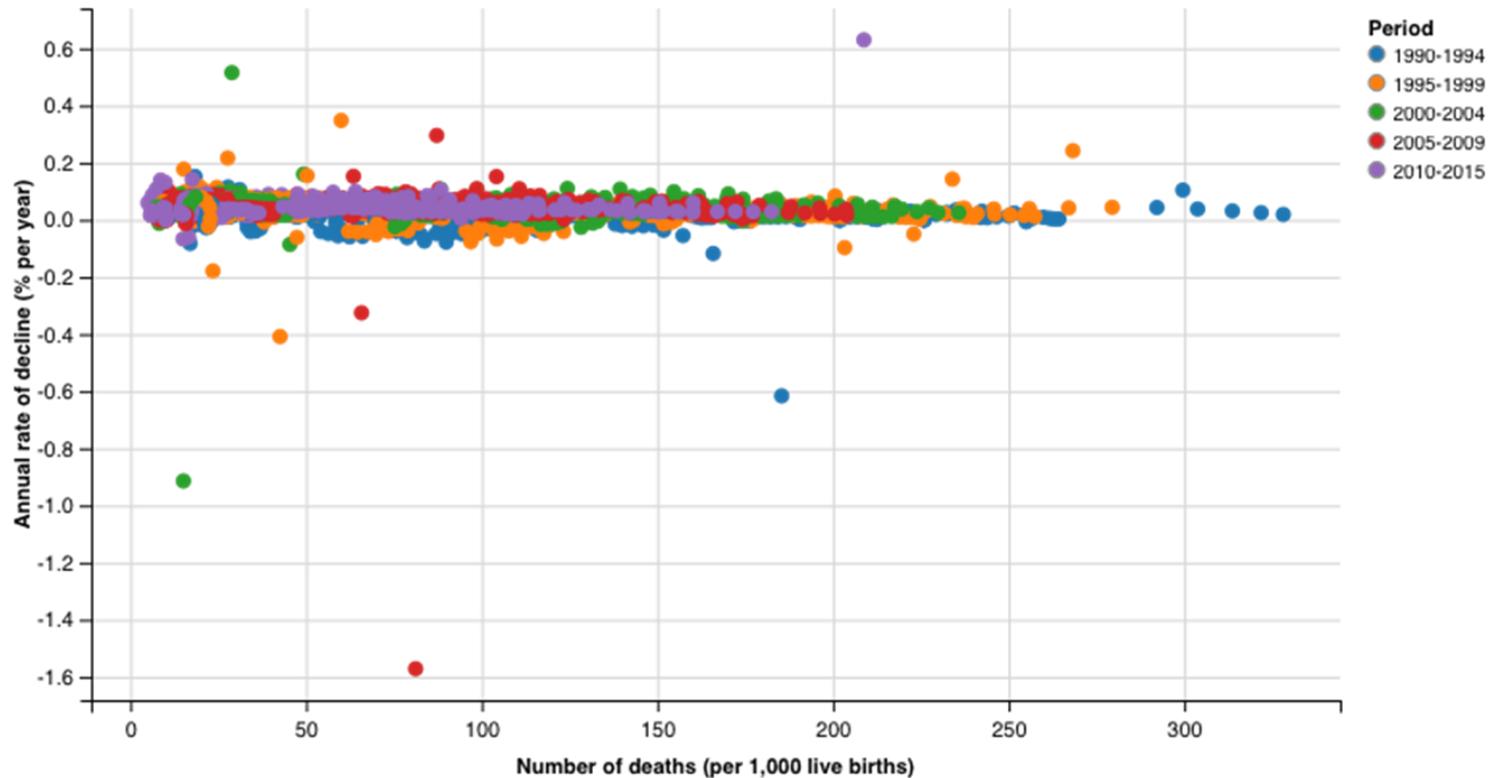


Figure 5D.2 Correlation of Rates of Decline in Tuberculosis Mortality with Number of Deaths

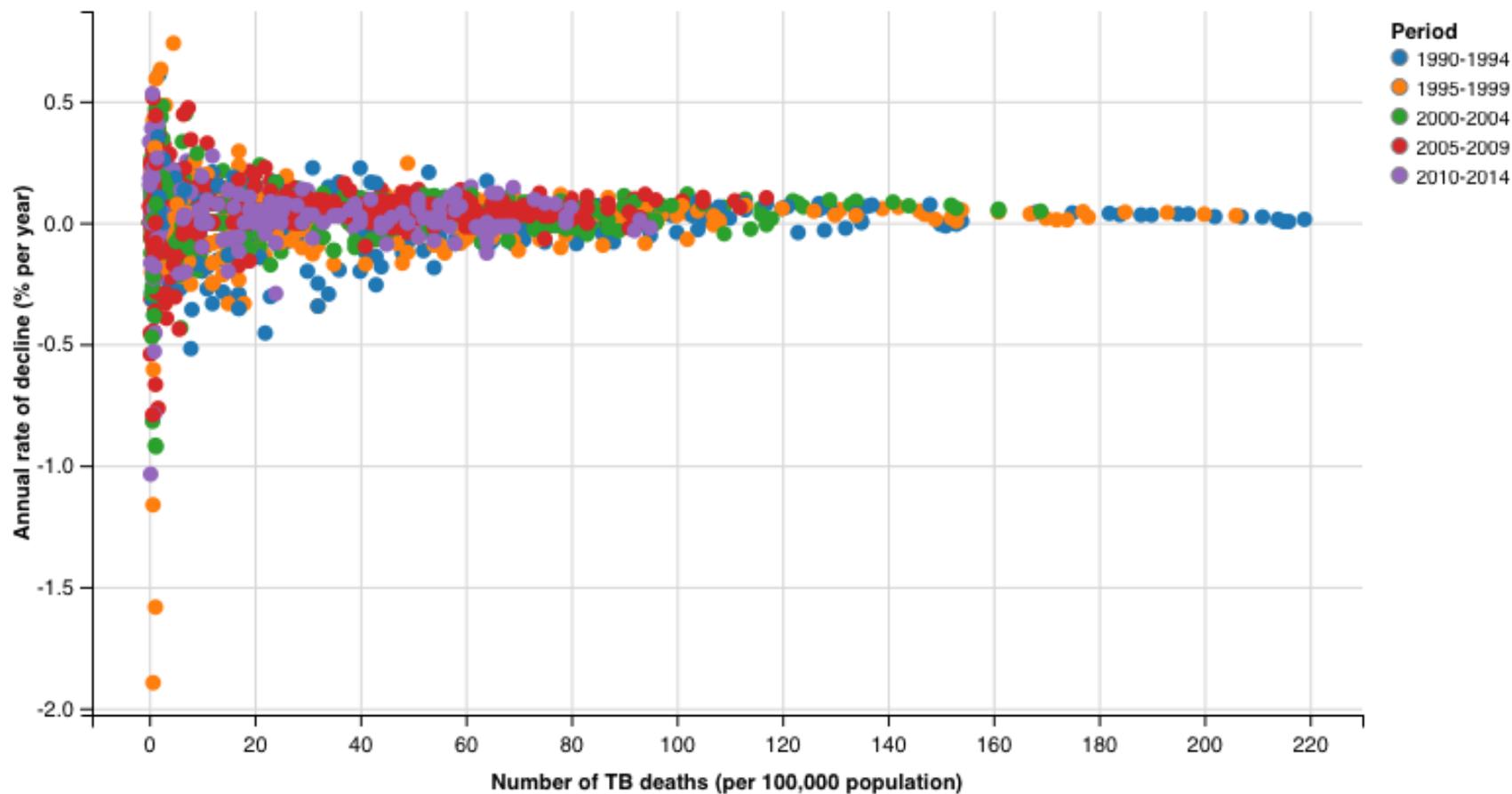


Table 5D.1 Top-Five and Bottom-Five Country Performers in Rate of Change in the Rate of Decline for Under-Five Mortality, 1990 – 2015

1990 to 1994		1995 to 1999		2000 to 2004		2005 to 2009		2010 to 2015		
Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	
<i>Best performers</i>										
1	Burkina Faso	1.2%	Cambodia	4.2%	Zimbabwe	0.7%	Lesotho	4.1%	Malaysia	0.3%
2	Rwanda	1.2%	Mauritius	1.7%	Mauritania	0.6%	Somalia	0.7%	Lesotho	0.3%
3	Cambodia	0.9%	Central African Republic	0.7%	Namibia	0.6%	Botswana	0.5%	Venezuela	0.2%
4	Azerbaijan	0.9%	Cote d'Ivoire	0.4%	Botswana	0.5%	South Africa	0.4%	Cuba	0.1%
5	Zambia	0.8%	Costa Rica	0.4%	Congo	0.4%	Swaziland	0.4%	Hungary	0.1%
<i>Worst performers</i>										
1	Senegal	-1.1%	Honduras	-2.8%	Sri Lanka	-10.2%	Haiti	-12.9%	Syria	-1.3%
2	Kazakhstan	-0.9%	Congo	-2.4%	Indonesia	-1.3%	Myanmar	-2.7%	Libya	-1.0%
3	Mauritania	-0.8%	Venezuela	-1.6%	Lesotho	-0.5%	Mauritius	-0.6%	Algeria	-0.4%
4	Somalia	-0.7%	Nicaragua	-1.3%	Malaysia	-0.3%	Libya	-0.4%	Swaziland	-0.2%
5	Angola	-0.6%	Rwanda	-1.3%	Costa Rica	-0.3%	Brazil	-0.2%	Belarus	-0.2%

Table 5D.2 Top-Five and Bottom-Five Country Performers in Rate of Change in the Rate of Decline for Maternal Mortality, 1990 – 2015

1990 - 1994		1995 to 1999		2000 to 2004		2005 to 2009		2010 to 2015		
Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	
<i>Best performers</i>										
Cote										
1	d'Ivoire	15.6%	Sri Lanka	9.5%	Namibia	4.7%	Malaysia	9.8%	Mali	41.0%
2	Paraguay	4.1%	Guatemala	5.3%	Swaziland	3.1%	Syria	9.1%	South Africa	8.1%
3	Uganda	3.6%	El Salvador	4.4%	Cuba	2.4%	Hungary	8.0%	Bulgaria	3.7%
4	Iraq	3.3%	Cameroon	3.6%	Guinea-Bissau	1.9%	Guatemala	7.8%	Jordan	1.0%
5	Republic of Moldova	2.4%	Cuba	3.1%	Congo	1.6%	Cote d'Ivoire	7.7%	Algeria	0.8%
<i>Worst performers</i>										
1	Hungary	-22.3%	Armenia	-50.8%	Uzbekistan	-20.2%	Brazil	-15.7%	Guinea	-60.3%
2	Mexico	-19.1%	Mauritania	-31.9%	Tajikistan	-13.4%	Kyrgyzstan	-11.3%	Cote d'Ivoire	-42.1%
3	Belarus	-10.8%	Uzbekistan	-12.6%	Armenia	-5.0%	Togo	-8.7%	Brazil	-10.0%
4	Togo	-3.1%	Namibia	-4.6%	Kenya	-4.7%	Malawi	-5.9%	Gambia	-6.5%
5	Azerbaijan	-2.9%	Paraguay	-4.5%	Nicaragua	-3.6%	Congo, DR	-3.7%	Central African Republic	-4.9%

Table 5D.3 Top-Five and Bottom-Five Country Performers in Rate of Change in the Rate of Decline for Tuberculosis Mortality, 1990 – 2015

1990 to 1994		1995 to 1999		2000 to 2004		2005 to 2009		2010 to 2014		
Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	Country	Rate of change in the rate of decline per year	
<i>Best performers</i>										
1	Suriname	1.4%	Bulgaria	1.9%	Bolivia	2.0%	Egypt	1.9%	Bosnia and Herzegovina	1.1%
2	Gabon	0.5%	Myanmar	0.9%	Dominican Republic	1.9%	Ghana	0.9%	Belarus	0.9%
3	Central African Republic	0.5%	Cuba	0.7%	Sierra Leone	0.6%	Peru	0.8%	Libya	0.9%
4	Kyrgyzstan	0.4%	Jamaica	0.5%	Azerbaijan	0.5%	Romania	0.7%	Kenya	0.6%
5	Lebanon	0.3%	Angola	0.4%	Brazil	0.5%	Haiti	0.5%	Cameroon	0.5%
<i>Worst performers</i>										
1	Albania	-2.7%	Colombia	-3.4%	Albania	-3.4%	Albania	-2.9%	Lebanon	-3.7%
2	Argentina	-2.3%	Sri Lanka	-3.2%	Mauritius	-3.0%	Bulgaria	-2.6%	Serbia	-2.1%
3	Colombia	-1.9%	Albania	-3.0%	Armenia	-2.5%	El Salvador	-1.9%	Albania	-1.9%
4	Turkey	-1.8%	Mauritius	-2.8%	Nicaragua	-2.2%	Turkey	-1.7%	Nigeria	-1.8%
5	Nicaragua	-1.4%	Tajikistan	-2.6%	Kazakhstan	-2.1%	Paraguay	-1.5%	Guinea-Bissau	-1.6%