

SUPPLEMENTARY TABLE 1: Socio-Demographic Index, mortality rates attributable to selected RFs (alcohol, high BMI, unsafe water and sanitation, and child and maternal malnutrition), and relative change in mortality between 1990 and 2019, by state.

| | SDI | Alcohol use | | | Child and maternal malnutrition | | | High body-mass index | | | Unsafe water, sanitation, and handwashing | | |
|---------------------|------|---------------------|---------------------|-----------------------|---------------------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|---|-------------------|------------------------|
| | | 1990 | 2019 | PC (%) | 1990 | 2019 | PC (%) | 1990 | 2019 | PC (%) | 1990 | 2019 | PC (%) |
| Acre | 0.56 | 35.7 (27.3;44.9) | 32.6 (25.7;40.3) | -8.7 (-31.9;23) | 104.5 (89.6;121.8) | 35.9 (28.4;44.9) | -65.6 (-74.1;-55.8) | 50.9 (23.5;84.4) | 75.3 (50.7;102.5) | 47.9 (11.7;140.2) | 50 (39.2;62.5) | 10 (6.9;13.1) | -80 (-85.4;-75.1) |
| Alagoas | 0.52 | 36 (25.3;48.9) | 39.2 (28.2;51.7) | 8.7 (-28.8;64.5) | 210.9 (178.4;249.4) | 29.5 (22.6;37.8) | -86 (-89.9;-81.3) | 69.8 (35.1;111.7) | 101.1 (69.1;137.2) | 44.9 (9;123.8) | 90.8 (68.6;121.3) | 9.4 (7.1;11.9) | -89.6 (-92.5;-86) |
| Amapá | 0.64 | 23.6 (16.2;31.6) | 26.4 (19.2;33.4) | 11.8 (-22.3;59.4) | 51.9 (45.9;58.5) | 34.9 (29.3;41.6) | -32.7 (-46;-16.7) | 54.7 (30.3;83.8) | 71.5 (49.3;96.1) | 30.6 (6.2;77.4) | 20 (16.1;24.1) | 5.3 (3.7;7) | -73.5 (-79.6;-67.4) |
| Amazonas | 0.6 | 35 (25.2;45.4) | 27.9 (20.4;36.2) | -20.3 (-46;15.3) | 66.1 (56.2;77.8) | 23.7 (20.5;27.4) | -64.1 (-70.7;-56.5) | 70.6 (40.5;106.3) | 71.2 (49;94.7) | 0.9 (-17.4;35.7) | 36.9 (30.6;43.9) | 7.6 (5.5;9.8) | -79.3 (-83.9;-74.5) |
| Bahia | 0.56 | 30.6 (20.7;42.9) | 36.6 (25.9;49.7) | 19.7 (-26.1;95.8) | 136.1 (115.7;162.4) | 32.5 (25.3;40.8) | -76.2 (-82.4;-68.4) | 65.3 (33.6;102.3) | 81.1 (54.1;113.1) | 24.1 (-5.4;86.8) | 59.5 (47.4;76.1) | 6.4 (4.7;8.4) | -89.3 (-92.5;-85.7) |
| Ceará | 0.56 | 29.4 (20.9;38.6) | 36 (26.1;48.7) | 22.5 (-17.7;89.5) | 144.7 (121.4;176.7) | 24.4 (18.7;30.9) | -83.2 (-87.7;-77.4) | 43.8 (20.4;72.5) | 72.5 (48.2;101.2) | 65.4 (19.9;172.1) | 65.2 (49.2;86.6) | 8 (5.6;10.6) | -87.7 (-91.6;-82.8) |
| Distrito Federal | 0.78 | 44.2 (30.1;59) | 30.6 (22.5;39) | -30.8 (-52.9;5.2) | 46.3 (40.9;52.5) | 17.7 (14.9;20.6) | -61.8 (-69;-53.2) | 121.9 (75.5;176.5) | 80.6 (54.6;107.6) | -33.8 (-45.2;-14.6) | 16.9 (12.9;20.7) | 3.6 (2.2;5.2) | -78.4 (-84.3;-73) |
| Espírito Santo | 0.66 | 38.9 (26.8;52.2) | 39.5 (29;50.7) | 1.5 (-30.8;52) | 63.1 (56.1;71.5) | 20.7 (16.4;26) | -67.2 (-75.2;-58) | 75.8 (40.9;117.6) | 83.7 (57.3;112.7) | 10.4 (-13;61.5) | 18.4 (14.8;22.2) | 3.9 (2.5;5.3) | -79.1 (-85.1;-73.5) |
| Goiás | 0.63 | 40.1 (26.1;54.9) | 33.8 (23.8;44.9) | -15.8 (-44.6;29.7) | 59.5 (50.9;69.2) | 20 (17.1;23.1) | -66.4 (-72.9;-58.2) | 76.8 (38.1;126.3) | 73.9 (50.3;101.7) | -3.8 (-29.4;49.2) | 23.3 (18.2;28.5) | 4.4 (2.8;6.2) | -81 (-86.2;-76.3) |
| Maranhão | 0.44 | 31.3 (19.2;45.7) | 28.4 (18.5;40.5) | -9.4 (-45.3;57) | 137.6 (114.1;169.3) | 26.9 (21.4;33.3) | -80.5 (-85.9;-73.6) | 48.2 (18.5;87.4) | 89 (56;128.6) | 84.8 (25.5;250.7) | 49.6 (34.7;67.9) | 8.4 (6.1;11.2) | -83 (-88.2;-75.8) |
| Mato Grosso | 0.64 | 30.8 (19.8;44.7) | 29.1 (21.4;38.1) | -5.6 (-40.1;53.6) | 57.7 (48.3;68) | 17.4 (15;20.1) | -69.8 (-75.7;-62.3) | 63.8 (32.6;101.1) | 76.8 (52.7;102.4) | 20.5 (-9.1;85.8) | 24 (18.7;29.4) | 4.6 (3.2;6.2) | -80.7 (-85.4;-75.5) |
| Mato Grosso do Sul | 0.64 | 34.1 (23.4;46.6) | 29.5 (21.8;38.8) | -13.5 (-40;28.4) | 60.1 (53;68.1) | 21 (18;24.3) | -65 (-71.5;-57.1) | 83.3 (46.1;128.2) | 77 (52;103.9) | -7.6 (-26;24.5) | 21.9 (17.7;26.4) | 4.9 (3.3;6.4) | -77.7 (-82.3;-73.5) |
| Minas Gerais | 0.64 | 40.3 (27.6;52.5) | 32.7 (24.1;41.3) | -18.7 (-42.3;23.7) | 76.4 (66.3;88.4) | 21.7 (17.1;27.2) | -71.6 (-78.8;-62.5) | 79.5 (41.8;123.4) | 62.7 (42.8;84.8) | -21.1 (-36.5;13.9) | 20.8 (16.3;25.5) | 3.9 (2.4;5.5) | -81.1 (-86.3;-76.5) |
| Pará | 0.57 | 29.4 (18.8;40.9) | 26.1 (18;34.5) | -11.2 (-42.9;39.2) | 96.2 (79.9;115) | 25.8 (20.1;32.9) | -73.1 (-80.3;-63.9) | 65.2 (33.7;103.8) | 74 (49.8;100.6) | 13.5 (-12.8;70.3) | 52.9 (44.2;63.8) | 7.7 (5.4;10.1) | -85.5 (-89.5;-81.6) |
| Paraíba | 0.55 | 28.6 (20.2;38) | 32 (22.1;42.1) | 11.9 (-27.8;70.8) | 110.8 (93.7;134) | 19 (14.5;24.2) | -82.9 (-87.8;-76.4) | 56.6 (28.1;91.7) | 82 (56.8;111.2) | 45 (9.4;129.3) | 34.2 (25.4;45.2) | 5.7 (4;7.6) | -83.3 (-88.5;-77.2) |
| Paraná | 0.66 | 38.5 (26.8;51.4) | 33.7 (24.6;42.7) | -12.5 (-39.2;28.6) | 55.9 (49.5;63.4) | 17.7 (13.8;22.1) | -68.4 (-76.8;-58.8) | 94.2 (52.1;145) | 77.1 (50.8;106.2) | -18.2 (-31.9;9.1) | 22.3 (18.3;26.3) | 4 (2.6;5.5) | -82 (-86.9;-77.2) |
| Pernambuco | 0.57 | 44.1 (31.1;58.4) | 40.1 (28.9;53) | -9 (-37.6;36.1) | 155 (130.9;186.2) | 27.5 (21.9;33.9) | -82.3 (-86.9;-76.6) | 75.4 (38.8;118.8) | 95.3 (65.8;128.2) | 26.3 (0.7;83.6) | 79.6 (64.7;98.5) | 7.6 (5.8;9.6) | -90.4 (-92.9;-87.8) |
| Piauí | 0.51 | 23.7 (15.4;33.8) | 25.5 (18.1;34) | 7.6 (-31.6;71.2) | 113.9 (96.4;135.6) | 26.2 (20;33.1) | -77 (-83.3;-69.3) | 49.6 (20.4;86.2) | 70.1 (47.1;94.8) | 41.3 (3.1;159.1) | 44.1 (33.9;56.5) | 6.1 (4.6;7.9) | -86.1 (-89.8;-81.6) |
| Rio de Janeiro | 0.7 | 54.5 (39;69.9) | 33.5 (24.5;43.4) | -38.5 (-56.3;-9.3) | 62 (54.9;70.3) | 17.1 (14.9;19.3) | -72.4 (-77.4;-67) | 120.7 (72.9;175.6) | 87.3 (60.2;117.2) | -27.7 (-39.7;-6.8) | 18.1 (13.5;23) | 4.4 (2.5;6.4) | -75.5 (-82.8;-68.7) |
| Rio Grande do Norte | 0.58 | 25 (16.8;36.1) | 32.1 (21.7;44.4) | 28 (-19.6;102) | 105.9 (89.5;127.3) | 17.8 (14;22.2) | -83.2 (-87.9;-77.6) | 53.2 (25.5;85.9) | 75.7 (50.4;104.7) | 42.2 (4.4;128.1) | 49.3 (39.2;62.5) | 5.6 (4;7.4) | -88.6 (-91.7;-84.9) |
| Rio Grande do Sul | 0.68 | 37.3 (25.1;50.5) | 31.8 (22.3;41.3) | -14.8 (-42.5;31.3) | 39.3 (35;44.1) | 17 (14.7;19.5) | -56.6 (-64.2;-48) | 96.3 (56.6;142.5) | 73.8 (49.1;101.1) | -23.3 (-34.4;-4.2) | 10.7 (7.9;13.5) | 3.2 (1.9;4.6) | -69.6 (-76.4;-63.6) |
| Rondônia | 0.61 | 40.4 (28;54.7) | 28.7 (21.3;37.8) | -28.8 (-52.8;12) | 73.4 (63.4;85.5) | 20.4 (17.3;23.9) | -72.3 (-78.2;-64.9) | 92.2 (48.4;144.4) | 84.2 (57.6;113.1) | -8.7 (-29.9;33.9) | 42.6 (33.8;50.8) | 7.2 (5.1;9.5) | -83 (-86.9;-78.6) |
| Roraima | 0.61 | 40.1 (28;53.5) | 29.6 (21.3;37.7) | -26.1 (-49.9;7.7) | 80.1 (70;91.5) | 33.8 (29.3;38.7) | -57.8 (-65;-48) | 84.5 (44.7;131.4) | 91 (64.2;119.8) | 7.8 (-14.7;58.5) | 31.9 (25.7;38.9) | 6.9 (4.9;9) | -78.4 (-83;-73.8) |
| Santa Catarina | 0.69 | 34.3 (21.1;49) | 26.7 (18.5;35.7) | -22 (-51.1;30.4) | 49.6 (42;58.3) | 18.5 (14.1;23.4) | -62.7 (-72.8;-50.5) | 93.3 (55.9;139.1) | 72.1 (49;96.8) | -22.7 (-35.5;-1.7) | 17.1 (13.5;20.8) | 3.6 (2.3;4.9) | -79 (-84.3;-73.8) |
| São Paulo | 0.7 | 47.7 (35.9;59.6) | 29.4 (22.6;36.6) | -38.2 (-54.6;-15) | 61.2 (54.1;70.3) | 16.9 (14.6;19.2) | -72.4 (-77.3;-67.1) | 102.9 (60.7;151.2) | 72.4 (49.6;97.8) | -29.6 (-41;-9.3) | 16.6 (12;21.3) | 4 (2.3;5.9) | -75.8 (-82.4;-69.9) |
| Sergipe | 0.58 | 36.2 (26.3;47.4) | 39.6 (28.6;52) | 9.2 (-26.6;64.8) | 115.7 (98.9;135.7) | 27.8 (22.4;33.6) | -76 (-81.8;-68.9) | 73.4 (39.6;112.1) | 84.4 (57.5;114.3) | 14.9 (-11.8;65.8) | 58.1 (47.4;71.7) | 6.5 (4.6;8.4) | -88.9 (-91.8;-85.6) |
| Tocantins | 0.58 | 23.6 (15;34.2) | 28.6 (19.9;38.4) | 21.1 (-25.1;92.8) | 96.9 (80.2;117.8) | 23.3 (18.8;29.2) | -76 (-82.3;-67.5) | 56.9 (24.3;99.6) | 89.4 (59.9;122.4) | 57.1 (11.6;185) | 40 (30.3;53) | 5.2 (3.8;6.7) | -87 (-90.9;-82.8) |