

Resources Needed to reach the UNHLM treatment targets 2018-2022 (US\$) broken down by country (Global Fund eligible) and by year

This is the first time that we provide estimates of the resources for TB Prevention and Care that are needed to reach UNHLM targets broken down by country. In this context please note the following:

1. Resource Needs for TB Prevention and Care include National TB Programme budgets, Health System Costs related to TB and resource needs for other implementing partners and stakeholders. Importantly, Health System Costs are often not included in National TB budgets but are incurred from health system budgets.
2. Resource Needs do not include resources necessary for TB research and development.
3. Resource Needs provided here are restricted to Global Fund eligible countries[†] that include more than 80% of the Global TB burden.
4. For details on methodology and cost categories, as well as funding required for research, please refer to the Global Plan (link coming on December 10, 2019)

[†]https://www.theglobalfund.org/media/5601/core_eligiblecountries2017_list_en.pdf

Resource Needs for TB Prevention and Care (US\$)^{1,2,3}

| Country Name | 2018 | 2019 | 2020 | 2021 | 2022 | Cumulative 2018-2022 |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|----------------------|
| Afghanistan | 28,749,176 | 41,372,473 | 61,792,649 | 73,648,185 | 77,374,179 | 282,936,661 |
| Albania | 1,712,138 | 1,958,583 | 2,037,849 | 2,094,452 | 2,078,428 | 9,881,450 |
| Algeria | 51,474,816 | 60,198,419 | 66,291,531 | 68,589,637 | 67,407,543 | 313,961,946 |
| Angola | 69,781,261 | 94,194,831 | 151,138,547 | 180,784,150 | 186,654,791 | 682,553,581 |
| Armenia | 8,565,183 | 8,468,401 | 7,895,110 | 7,321,434 | 7,049,492 | 39,299,619 |
| Azerbaijan | 47,114,769 | 53,921,246 | 58,997,981 | 63,069,353 | 64,934,588 | 288,037,936 |
| Bangladesh | 89,110,710 | 114,880,228 | 151,235,793 | 168,846,473 | 186,545,201 | 710,618,405 |
| Belarus | 51,527,765 | 51,853,403 | 46,696,412 | 42,864,651 | 40,913,971 | 233,856,203 |
| Belize | 363,416 | 393,126 | 437,546 | 461,466 | 456,296 | 2,111,849 |
| Benin | 10,046,244 | 13,073,984 | 18,685,821 | 20,390,591 | 21,608,159 | 83,804,799 |
| Bhutan | 2,841,620 | 3,378,742 | 3,699,225 | 3,815,249 | 3,737,870 | 17,472,705 |
| Bolivia (Plurinational State of) | 7,527,361 | 9,254,381 | 12,259,404 | 13,653,933 | 13,843,904 | 56,538,983 |
| Botswana | 35,671,172 | 39,158,524 | 48,505,550 | 50,646,904 | 49,887,645 | 223,869,795 |
| Bulgaria | 16,683,137 | 16,916,345 | 17,030,207 | 17,045,769 | 17,112,079 | 84,787,537 |
| Burkina Faso | 13,795,919 | 17,438,734 | 22,466,060 | 23,348,843 | 23,845,565 | 100,895,121 |
| Burundi | 9,534,084 | 12,484,081 | 17,425,146 | 18,766,980 | 19,600,760 | 77,811,050 |
| Cabo Verde | 330,668 | 358,409 | 386,297 | 406,545 | 403,644 | 1,885,563 |
| Cambodia | 53,500,279 | 61,082,224 | 82,772,317 | 95,796,442 | 97,585,141 | 390,736,404 |
| Cameroon | 9,970,224 | 14,124,303 | 22,003,260 | 27,690,776 | 29,595,458 | 103,384,022 |
| Central African Republic | 3,392,607 | 4,169,417 | 5,467,826 | 6,059,466 | 6,496,702 | 25,586,018 |
| Chad | 7,561,068 | 9,503,579 | 13,057,141 | 14,697,700 | 14,983,023 | 59,802,512 |
| Comoros | 364,666 | 459,761 | 648,662 | 758,491 | 793,627 | 3,025,207 |
| Congo | 7,059,296 | 12,855,359 | 29,089,087 | 42,520,081 | 47,050,786 | 138,574,608 |
| Cote de Ivoire | 24,073,447 | 33,037,868 | 54,798,248 | 65,592,824 | 69,579,440 | 247,081,827 |
| Democratic People's Republic of Korea | 70,755,688 | 76,325,600 | 90,674,567 | 95,345,725 | 94,650,293 | 427,751,873 |
| Democratic Republic of the Congo | 118,696,286 | 155,388,163 | 227,050,067 | 254,387,416 | 270,662,162 | 1,026,184,094 |
| Djibouti | 2,520,568 | 3,031,936 | 3,151,430 | 3,205,262 | 3,229,648 | 15,138,845 |
| Dominica | 10,351 | 12,019 | 12,661 | 12,125 | 12,047 | 59,202 |
| Dominican Republic | 24,931,467 | 28,201,969 | 28,185,773 | 28,056,945 | 28,049,907 | 137,426,061 |
| Egypt | 11,199,394 | 13,658,001 | 17,066,987 | 17,843,908 | 18,281,137 | 78,049,428 |

1. Produced by Stop TB Partnership.

2. TIME model and costing methods implemented by Avenir Health .

3. For baseline unit costs, financial data from WHO Global TB database used.

| | | | | | | |
|----------------------------------|-------------|---------------|---------------|---------------|---------------|----------------------|
| El Salvador | 10,574,129 | 12,996,675 | 14,997,090 | 15,775,713 | 16,295,854 | 70,639,461 |
| Equatorial Guinea | 2,431,696 | 3,268,645 | 4,953,494 | 5,733,867 | 6,022,036 | 22,409,738 |
| Eritrea | 4,567,295 | 6,255,152 | 9,035,735 | 10,386,900 | 11,652,116 | 41,897,197 |
| Eswatini | 19,785,677 | 30,343,694 | 37,032,509 | 41,639,973 | 41,255,060 | 170,056,913 |
| Ethiopia | 102,461,739 | 137,267,558 | 163,901,499 | 182,807,061 | 195,318,495 | 781,756,352 |
| Gabon | 12,283,379 | 15,632,637 | 23,525,439 | 27,092,878 | 27,271,241 | 105,805,574 |
| Gambia | 4,270,445 | 5,491,306 | 8,580,877 | 9,778,170 | 10,462,876 | 38,583,673 |
| Georgia | 20,725,381 | 23,046,787 | 26,267,267 | 29,094,546 | 30,829,438 | 129,963,420 |
| Ghana | 107,591,276 | 148,952,459 | 232,440,897 | 293,334,511 | 320,480,907 | 1,102,800,050 |
| Grenada | 6,330 | 5,237 | 3,681 | 2,292 | 1,465 | 19,005 |
| Guatemala | 9,191,112 | 10,874,363 | 12,460,153 | 12,782,542 | 13,028,567 | 58,336,736 |
| Guinea | 6,139,591 | 9,577,569 | 14,316,359 | 16,745,787 | 18,577,944 | 65,357,250 |
| Guinea-Bissau | 4,792,789 | 5,758,042 | 7,394,026 | 7,975,184 | 8,056,331 | 33,976,373 |
| Guyana | 1,441,080 | 1,712,003 | 1,834,677 | 1,963,156 | 2,069,014 | 9,019,930 |
| Haiti | 11,205,120 | 13,621,241 | 17,386,124 | 19,065,526 | 19,976,963 | 81,254,974 |
| Honduras | 6,113,055 | 7,331,364 | 8,442,987 | 9,174,811 | 9,588,078 | 40,650,294 |
| India | 876,107,330 | 1,138,340,146 | 1,306,754,476 | 1,450,489,289 | 1,503,067,690 | 6,274,758,932 |
| Indonesia | 321,935,854 | 537,547,187 | 663,537,207 | 773,954,563 | 829,826,681 | 3,126,801,493 |
| Iraq | 30,510,943 | 36,277,101 | 45,342,629 | 48,910,597 | 49,300,053 | 210,341,323 |
| Kazakhstan | 317,507,377 | 325,565,025 | 319,475,218 | 316,985,364 | 317,755,871 | 1,597,288,855 |
| Kenya | 109,281,324 | 146,563,108 | 172,077,342 | 176,705,492 | 182,521,136 | 787,148,402 |
| Kiribati | 423,118 | 401,081 | 363,661 | 320,737 | 280,919 | 1,789,516 |
| Kyrgyzstan | 30,384,234 | 38,441,779 | 43,892,647 | 47,441,192 | 47,994,461 | 208,154,314 |
| Lao People's Democratic Republic | 9,672,087 | 11,932,441 | 14,881,430 | 16,062,775 | 16,284,315 | 68,833,048 |
| Lesotho | 11,296,053 | 15,749,390 | 26,025,838 | 33,957,926 | 36,055,998 | 123,085,204 |
| Liberia | 4,205,119 | 5,411,213 | 7,730,614 | 9,002,739 | 9,346,269 | 35,695,954 |
| Madagascar | 14,713,816 | 19,205,034 | 29,191,281 | 33,093,693 | 35,177,418 | 131,381,242 |
| Malawi | 29,082,286 | 37,126,364 | 55,934,744 | 70,918,999 | 78,026,282 | 271,088,675 |
| Malaysia | 62,907,723 | 68,521,918 | 67,486,354 | 65,896,821 | 63,766,507 | 328,579,323 |
| Maldives | 889,252 | 965,141 | 913,163 | 850,466 | 790,578 | 4,408,600 |
| Mali | 4,232,834 | 5,667,644 | 7,676,335 | 8,647,679 | 9,230,298 | 35,454,790 |
| Mauritania | 1,877,861 | 2,579,256 | 3,887,754 | 4,649,440 | 4,971,407 | 17,965,718 |

1. Produced by Stop TB Partnership.
2. TIME model and costing methods implemented by Avenir Health .
3. For baseline unit costs, financial data from WHO Global TB database used.

| | | | | | | |
|----------------------------------|-------------|-------------|-------------|---------------|---------------|----------------------|
| Micronesia (Federated States of) | 260,972 | 248,015 | 229,786 | 216,403 | 210,676 | 1,165,853 |
| Mongolia | 9,846,580 | 11,697,600 | 15,935,245 | 18,233,251 | 18,167,516 | 73,880,192 |
| Morocco | 22,008,812 | 25,460,295 | 26,182,573 | 26,613,283 | 26,989,394 | 127,254,356 |
| Mozambique | 55,037,931 | 71,102,400 | 119,983,078 | 153,518,494 | 163,858,396 | 563,500,300 |
| Myanmar | 89,330,640 | 117,101,882 | 159,820,306 | 187,956,932 | 199,057,623 | 753,267,384 |
| Namibia | 50,543,009 | 57,470,728 | 73,993,239 | 75,047,347 | 74,818,727 | 331,873,050 |
| Nepal | 36,220,826 | 52,275,619 | 76,149,684 | 92,895,841 | 99,094,012 | 356,635,981 |
| Nicaragua | 12,425,443 | 15,668,737 | 16,454,764 | 17,171,423 | 17,888,158 | 79,608,524 |
| Niger | 4,050,491 | 5,365,112 | 7,844,843 | 9,501,609 | 10,632,790 | 37,394,845 |
| Nigeria | 281,810,203 | 454,998,123 | 874,659,917 | 1,068,395,253 | 1,101,171,205 | 3,781,034,701 |
| Pakistan | 113,181,819 | 215,733,308 | 456,124,716 | 642,780,859 | 714,108,208 | 2,141,928,911 |
| Panama | 12,241,054 | 14,157,429 | 14,161,010 | 14,045,733 | 13,733,930 | 68,339,156 |
| Papua New Guinea | 18,971,459 | 26,091,235 | 37,254,356 | 45,085,775 | 46,640,030 | 174,042,855 |
| Paraguay | 32,220,495 | 35,095,767 | 35,766,071 | 36,110,821 | 35,874,469 | 175,067,623 |
| Peru | 160,953,735 | 197,432,271 | 214,952,384 | 222,757,821 | 225,660,633 | 1,021,756,843 |
| Philippines | 272,581,828 | 350,636,065 | 461,542,494 | 540,204,647 | 573,186,028 | 2,198,151,062 |
| Republic of Moldova | 23,733,825 | 28,479,129 | 29,624,543 | 30,456,286 | 30,687,435 | 142,981,218 |
| Romania | 82,521,511 | 84,670,152 | 86,731,518 | 88,041,596 | 89,852,680 | 431,817,457 |
| Rwanda | 20,339,806 | 24,263,566 | 27,901,879 | 29,792,060 | 31,525,775 | 133,823,085 |
| Saint Lucia | 14,328 | 13,096 | 11,370 | 9,870 | 8,933 | 57,597 |
| Saint Vincent and the Grenadines | 12,168 | 14,673 | 18,427 | 22,273 | 25,090 | 92,630 |
| Samoa | 23,058 | 21,654 | 19,989 | 18,819 | 18,295 | 101,815 |
| Sao Tome and Principe | 983,257 | 1,266,295 | 1,877,807 | 2,247,118 | 2,206,030 | 8,580,508 |
| Senegal | 15,585,406 | 19,867,957 | 23,842,506 | 25,151,314 | 26,560,985 | 111,008,168 |
| Sierra Leone | 50,831,899 | 65,232,062 | 104,308,650 | 132,876,297 | 142,465,289 | 495,714,198 |
| Solomon Islands | 1,903,660 | 2,140,342 | 2,090,626 | 1,964,492 | 1,855,875 | 9,954,995 |
| Somalia | 17,083,853 | 26,098,537 | 45,201,464 | 58,374,411 | 61,281,867 | 208,040,133 |
| South Africa | 444,051,702 | 567,538,515 | 623,813,433 | 640,789,208 | 669,065,267 | 2,945,258,125 |
| South Sudan | 19,761,023 | 32,360,527 | 60,158,584 | 84,409,443 | 91,252,273 | 287,941,852 |
| Sri Lanka | 23,052,292 | 29,547,165 | 34,429,064 | 33,975,870 | 33,636,376 | 154,640,767 |
| Sudan | 20,998,568 | 28,762,298 | 42,849,138 | 52,246,663 | 55,357,887 | 200,214,553 |
| Suriname | 3,476,414 | 4,256,269 | 5,538,581 | 5,741,852 | 5,813,979 | 24,827,094 |

1. Produced by Stop TB Partnership.
2. TIME model and costing methods implemented by Avenir Health .
3. For baseline unit costs, financial data from WHO Global TB database used.

| | | | | | | |
|---|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Syrian Arab Republic | 2,525,254 | 3,125,089 | 3,712,098 | 4,093,033 | 4,154,974 | 17,610,449 |
| Tajikistan | 38,983,675 | 49,236,806 | 57,956,004 | 65,227,621 | 70,171,055 | 281,575,161 |
| Thailand | 48,466,269 | 60,710,793 | 66,297,847 | 68,904,171 | 73,346,323 | 317,725,403 |
| Timor-Leste | 6,236,563 | 7,782,083 | 11,380,143 | 13,660,077 | 14,199,499 | 53,258,365 |
| Togo | 4,717,571 | 5,401,442 | 5,852,398 | 6,194,150 | 6,465,790 | 28,631,352 |
| Tonga | 12,889 | 12,569 | 12,052 | 11,800 | 12,010 | 61,319 |
| Turkmenistan | 19,804,360 | 25,998,910 | 26,136,281 | 25,966,433 | 25,215,546 | 123,121,530 |
| Uganda | 79,347,349 | 107,629,564 | 151,692,379 | 158,123,925 | 161,663,747 | 658,456,965 |
| Ukraine | 219,105,486 | 223,991,013 | 214,835,676 | 203,354,254 | 186,463,539 | 1,047,749,968 |
| United Republic of Tanzania | 84,484,413 | 103,493,380 | 148,120,779 | 163,280,006 | 166,065,806 | 665,444,385 |
| Uzbekistan | 136,125,384 | 161,018,692 | 177,275,633 | 188,645,705 | 192,822,991 | 855,888,405 |
| Vanuatu | 405,027 | 450,160 | 514,264 | 502,011 | 480,988 | 2,352,450 |
| Viet Nam | 110,562,089 | 138,028,329 | 184,612,140 | 210,329,941 | 217,676,013 | 861,208,513 |
| West Bank and Gaza Strip | 35,738 | 40,097 | 38,925 | 37,947 | 38,681 | 191,388 |
| Yemen | 5,990,118 | 7,790,692 | 10,578,307 | 11,683,356 | 12,241,688 | 48,284,161 |
| Zambia | 17,582,426 | 26,696,992 | 36,277,248 | 42,697,003 | 44,633,660 | 167,887,329 |
| Zimbabwe | 39,776,145 | 43,577,151 | 47,394,126 | 50,281,283 | 49,814,130 | 230,842,835 |
| Total Global Fund Eligible Countries | 5,637,690,909 | 7,303,633,253 | 9,430,861,010 | 10,698,608,242 | 11,167,878,026 | 44,238,671,439 |
| Total Non Global Fund Eligible countries | 3,607,354,344 | 3,878,026,013 | 4,215,951,156 | 4,445,050,246 | 4,437,239,880 | 20,583,621,640 |
| Total | 9,245,045,253 | 11,181,659,265 | 13,646,812,166 | 15,143,658,488 | 15,605,117,906 | 64,822,293,079 |

1. Produced by Stop TB Partnership.

2. TIME model and costing methods implemented by Avenir Health .

3. For baseline unit costs, financial data from WHO Global TB database used.