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Global patterns, temporal trends, and inequalities in micronutrient intake inadequacy among women of reproductive age: A modelling analysis

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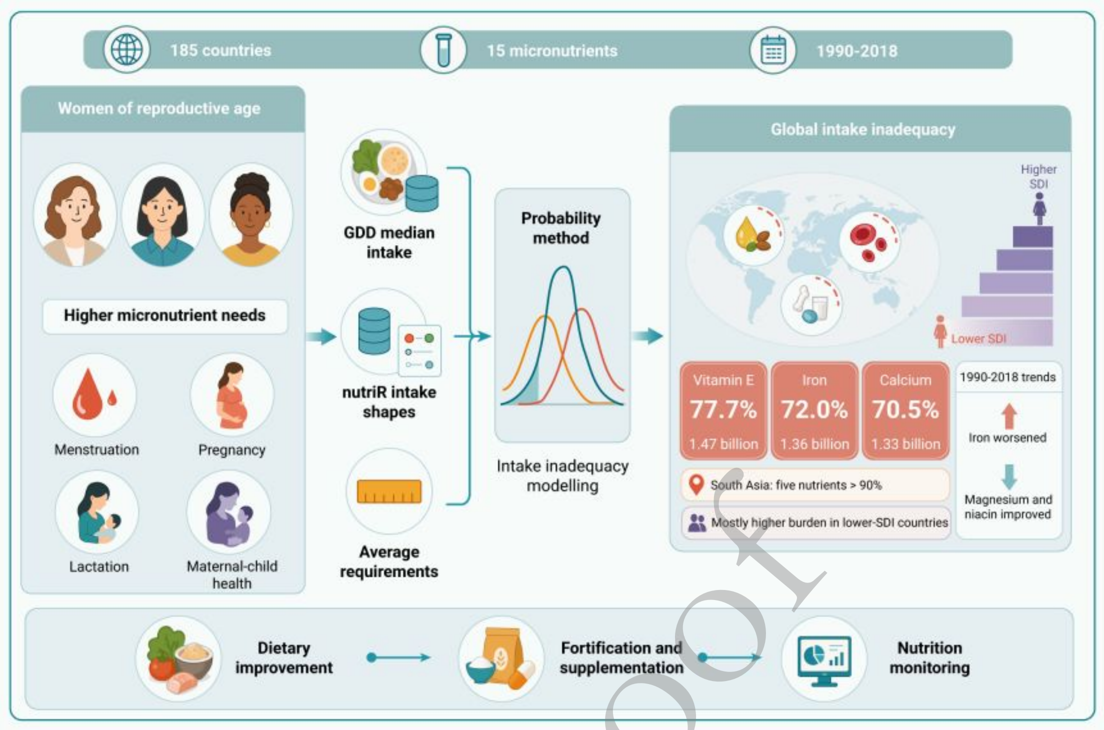
GRAPHICAL ABSTRACT



PUBLIC SUMMARY

- Women of reproductive age (WRA, 15-49 years) often do not get enough key micronutrients.
- We estimated inadequate intake of 15 micronutrients among WRA.
- In 2018, vitamin E, iron, and calcium inadequacy were the most common worldwide.
- South Asia had the greatest burden, with high inadequacy for several nutrients.
- The findings can help guide nutrition policies and global monitoring efforts.

ABSTRACT

Women of reproductive age (WRA, 15-49 years) have elevated micronutrient requirements because of menstruation, pregnancy, and lactation and their central role in maternal and child health; however, globally comparable evidence on inadequate micronutrient intake in this population remains limited. We therefore estimated the prevalence of inadequate intake of 15 essential micronutrients among WRA across countries, regions, and time and assessed inequalities according to the sociodemographic index (SDI). Using an established probabilistic dietary modelling framework, we estimated micronutrient intake inadequacy among WRA in 185 countries from 1990 to 2018 by combining median intake estimates from the Global Dietary Database with distribution-shape estimates from nutriR and applying harmonised age- and sex-specific average requirements. Absolute and relative inequalities were assessed using the slope index of inequality and the concentration index. In 2018, vitamin E had the highest estimated prevalence of inadequate intake among WRA (77.7%; 95% UI: 38.3%, 95.0%), followed by iron (72.0%; 95% UI: 53.0%, 85.1%) and calcium (70.5%; 95% UI: 61.8%, 77.1%). More than 90% of WRA in South Asia had estimated inadequate intakes of five micronutrients. Iron inadequacy worsened between 1990 and 2018, whereas magnesium and niacin inadequacy declined. Most micronutrients had a higher prevalence of inadequate intake in lower-SDI countries, although magnesium showed the opposite pattern in 2018. These findings suggest that micronutrient intake inadequacy among WRA is widespread globally, with marked regional variation, temporal change, and substantial SDI-related inequalities, and may inform nutrition policy, intervention prioritisation, and global monitoring efforts.

INTRODUCTION

Inadequate micronutrient intake represents one of the most prevalent nutritional challenges worldwide, affecting population health across diverse socioeconomic and geographic contexts.[1] Essential micronutrients, including iron, vitamin A, B-vitamins, iodine, and zinc, are fundamental to normal physiological function, and their deficiencies have distinct health consequences. Iron inadequacy contributes significantly to the global burden of anaemia, impairing cognitive performance and maternal-fetal outcomes during pregnancy.[2] Deficiencies in B vitamins are associated with serious pregnancy complications, including preterm birth, pre-eclampsia, and perinatal mortality.[3,4] Insufficient iodine intake can cause permanent neurological damage in the developing fetus.[5] Vitamin A deficiency and zinc inadequacy both impair immune responses and increase vulnerability to infectious diseases; vitamin A deficiency can also cause ocular impairment and increase the risk of maternal mortality.[6,7] Collectively, these inadequacies impose a substantial disease burden and constrain human development worldwide.[8]

Women of reproductive age (WRA, 15-49 years) are at heightened risk of micronutrient inadequacy because of their distinct physiological demands and the importance of their nutritional status to maternal and child health.[9] Reproductive processes increase nutrient requirements: menstrual blood loss raises iron requirements, whereas conception, pregnancy, and lactation require adequate stores of essential nutrients.[10] The nutritional status of WRA affects both individual health and child development through maternal influences on fetal growth and birth outcomes.[11] Interventions targeting micronutrient adequacy through higher-quality diets, food fortification, biofortification, and supplementation have been shown to reduce adverse maternal and perinatal outcomes and promote optimal child development.[12]

Accurate global assessment of micronutrient inadequacy has been limited by methodological constraints and data gaps. Population-representative biomarker data remain sparse, with substantial gaps in geographic coverage and methodological inconsistencies across studies.[13] Studies vary in the biomarkers selected, analytical methods, protocols for inflammation adjustment, and definitions and thresholds for deficiency, limiting cross-population comparability.[14] Food-supply-based estimates provide a complementary perspective, but they cannot capture individual dietary variation or demographic differences in access to food.[15] Existing disease burden approaches also cover only a limited subset of micronutrients and rely on multiple indirect sources rather than direct dietary intake data.[16] Recent methodological developments enabled inadequate micronutrient intake to be estimated from dietary data within a probabilistic modelling framework.[17] Although this framework provides an important foundation for population-specific analyses, no dedicated global assessment has focused on the nutritional vulnerability and public health relevance of WRA.

Against this background, we applied the previously described probabilistic dietary modelling framework[17] to estimate the prevalence of inadequate intake of 15 essential micronutrients among WRA in 185 countries from 1990 to 2018. We aimed to characterise regional and age-related patterns, examine temporal trends, and quantify inequalities by sociodemographic development. By focusing on WRA, we sought to provide a more policy-relevant account of micronutrient intake inadequacy in a nutritionally vulnerable population.

MATERIALS AND METHODS

Overview

We conducted a modelling analysis to estimate the prevalence of inadequate intake of 15 micronutrients among WRA across 185 countries from 1990 to 2018—the temporal coverage of the most recent public release of the Global Dietary Database (GDD)—with estimates generated at 5-year intervals from 1990 to 2015 and for 2018. The analysis required the specification of nutrient intake distributions and nutrient requirement distributions for WRA within each country-year stratum (Figure S1). Nutrient intake distributions were constructed by combining median intake estimates from the GDD with distribution shape estimates from the nutriR database[18] (Figure S1A). Requirement distributions were defined using harmonized age-specific and sex-specific average requirements[19] together with standard assumptions regarding variability in requirements (Figure S1B). We then applied the probability method to estimate the prevalence of inadequate intake by comparing intake distributions with requirement distributions[20] (Figure S1C). The number of WRA with inadequate intake was estimated using World Bank population data.[21] We generated 95% uncertainty intervals (UIs) by drawing 1000 values between the lower and upper bounds of the GDD-derived median intake estimate for each country-year-nutrient stratum, re-estimating inadequate intake for each draw, and taking the 2.5th and 97.5th percentiles of the resulting estimates. Furthermore, we used two standard indicators, the slope index of inequality and the concentration index, to assess absolute and relative inequalities in the prevalence of inadequate intake across countries.[22] The slope index of inequality was calculated through regression analysis of national prevalence of intake inadequacy against a sociodemographic index (SDI)-associated relative position scale. The concentration index was computed by numerical integration of the area under the Lorenz concentration curve, representing the relationship between cumulative prevalence of intake inadequacy and cumulative population distribution ranked by SDI.[23] The SDI quantifies national development on a scale from 0 to 1 based on per capita income, educational attainment, and fertility rates.[24] All analyses were performed using R version 4.4.1.

Defining intake medians

Median nutrient intakes for WRA were based on estimates from the GDD. The GDD contains 1,224 dietary surveys from 185 countries between 1990 and 2018. Of these surveys, 89% are representative at the national or subnational level, providing 99.0% global population coverage.[25] Survey availability is uneven across regions, with relatively fewer dietary surveys available for several lower- and middle-income regions—particularly sub-Saharan Africa and South Asia—than for high-income countries. The GDD's Bayesian hierarchical modelling framework borrows strength across countries sharing similar covariates to mitigate this imbalance.[25] Among the 47 dietary factors in the database, the median intake of 18 micronutrients was reported at the subpopulation level (Table S1). Subpopulations were stratified by age, sex, education level, and residence.[26] Our analysis examined intake inadequacies for 15 micronutrients (Figure S2). Three nutrients were excluded: potassium and sodium, for which accepted average requirements have not been established, and vitamin D, because sunlight exposure can contribute substantially to meeting requirements and varies geographically.[27] We averaged GDD estimates across residential areas and educational levels to define median intakes for each age group. Average intake among WRA at the global, regional, and national levels was calculated using weighted data from the World Bank population data. Calcium and magnesium from drinking water were included by assuming adequate daily water consumption and mean concentrations of 46 mg/L calcium and 16 mg/L magnesium. Age-specific adequate water intake values were obtained from the US Institute of Medicine,[28] whereas calcium and magnesium concentrations represented the average values in global water sources from WHO.[29]

Defining intake shapes

To adapt the modelling framework to WRA, we defined country-specific nutrient intake distribution shapes for WRA using estimates from the nutriR database.[18] Because complete shape parameters were not available for every country-age stratum, we matched each stratum hierarchically to the most comparable subgroup with available parameters. Priority was given to women aged 15-49 years in the same country, followed by the closest age group within the same country, and then the corresponding age group from the country with the most similar nutrient intake profile among WRA. We assessed similarity between countries using Euclidean distance based on national GDD estimates of micronutrient intakes among WRA from 1990 to 2018. (Figure S3-S9). The scope and sources of borrowed shape parameters are detailed in Figure S10.

Defining intake distributions

Final usual intake distributions for WRA in each country-year stratum were specified using the GDD median intake estimates together with matched shape parameters from the nutriR database. Because the matched shape parameters describe distributional variability but do not necessarily generate the same medians as those estimated by the GDD, we shifted the resulting distributions to align with the GDD-derived median while preserving the matched variability structure. A conceptual explanation of these distributional changes is provided in Figure S11. For the uncertainty analysis, this alignment procedure was repeated for each sampled median intake value.

Estimating intake inadequacy

Prevalence of intake inadequacy among WRA was estimated using the probability method[20] (Figure S1). Throughout this analysis, "intake inadequacy" is defined operationally as the probability that an individual's habitual dietary intake from foods and beverages falls below the estimated average requirement, and is conceptually distinct from biochemical or clinical deficiency. This method compares intake distributions against continuous relative risk curves with values of 0 at high intakes, 0.5 at the average intake requirement, and 1 at low intakes. Risk curves are constructed based on cumulative normal distributions characterized by the average requirement and its standard deviation. We used the harmonised age- and sex-specific average requirements provided by Allen et al.[19] (Figure S12). The standard deviation of each requirement distribution was derived from the coefficient of variation. Following established recommendations, the coefficient of variation was 0.25 for vitamin B12 requirements and 0.10 for all other nutrient requirements.[30]

For zinc and iron, we developed country-specific average requirements to account for dietary components that modulate their bioavailability. Zinc requirements were adjusted based on national-level phytate intake estimates from Wessels and Brown[31] (Figure S13), as phytate significantly impairs zinc absorption.[32] We applied linear interpolation between the minimum average requirement paired with the lowest phytate intake and the maximum average requirement associated with the highest phytate intake for each country, thereby creating phytate-adjusted zinc requirements (Figure S14). Iron requirements underwent more complex adjustments to reflect the combined influences of both absorption inhibitors and enhancers. We used a method similar to that of Beal et al.,[33] incorporating the inhibitory effects of phytate alongside the enhancing effects of non-dairy animal-source foods (including seafood, processed meat, unprocessed red meat, and eggs) on iron bioavailability.[32,34] Country-level phytate intakes were scaled from 0 to 1, where 0 represented maximum inhibition (high phytate) and 1 indicated minimal inhibition (low phytate). Similarly, non-dairy animal-source food intakes from the GDD were scaled between 0 and 1 (Figure S15), with 0 indicating low enhancement potential and 1 representing high enhancement. These two scaled indices were averaged to create a composite absorption factor, which was then calibrated to the physiologically relevant iron absorption range of 5%-16%[19] (Figure S16). Country-specific iron requirements were subsequently derived through linear interpolation using these absorption-adjusted parameters (Figure S17). Finally, the number of people with inadequate intakes in each subnational group was estimated by multiplying the prevalence of intake inadequacy by the corresponding World Bank population estimate.

RESULTS

Global burden of micronutrient inadequacy

The global prevalence of micronutrient intake inadequacy among WRA varied substantially across nutrients and countries in 2018 (Figure 1). Vitamin E had the highest global burden, affecting 1.47 billion WRA (77.7%; 95% UI: 38.3%, 95.0%), followed by iron (1.36 billion WRA; 72.0%; 95% UI: 53.0%, 85.1%) and calcium (1.33 billion WRA; 70.5%; 95% UI: 61.8%, 77.1%). The lowest prevalence of inadequacy was observed for selenium (0.23 billion WRA; 12.0%; 95% UI: 3.8%, 63.7%) and niacin (0.40 billion WRA; 21.4%; 95% UI: 13.9%, 35.9%). However, the leading micronutrient inadequacy varied across countries (Figure 2). Selenium was the leading inadequacy in Pakistan (54.34 million WRA), Russia (34.48 million WRA), and several Eastern European countries, while India was characterized by widespread inadequacy of multiple B vitamins (vitamin B6, folate, riboflavin, and vitamin B12), each affecting approximately 355 million WRA (Figure S18 and Table S2). Iodine was the primary inadequacy in several sub-Saharan African countries, including Ethiopia (27.01 million WRA), Tanzania (13.09 million WRA), and Kenya (12.55 million WRA).

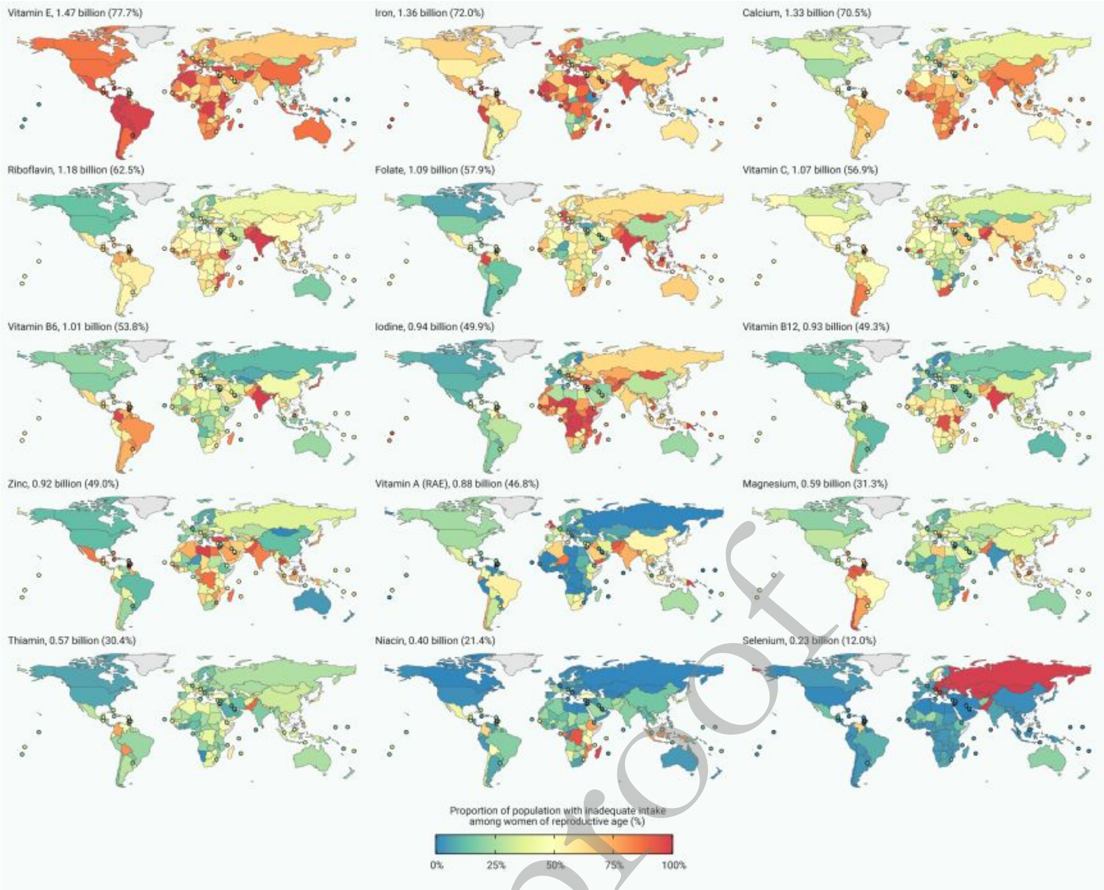


Figure 1: Estimated prevalence of intake inadequacies by country and micronutrient among WRA in 2018. The estimated number and proportion of WRA with inadequacies is stated alongside each map. Countries with land areas of less than 25000 km² are shown as points to increase visibility. WRA, women of reproductive age; RAE, retinol activity equivalents.

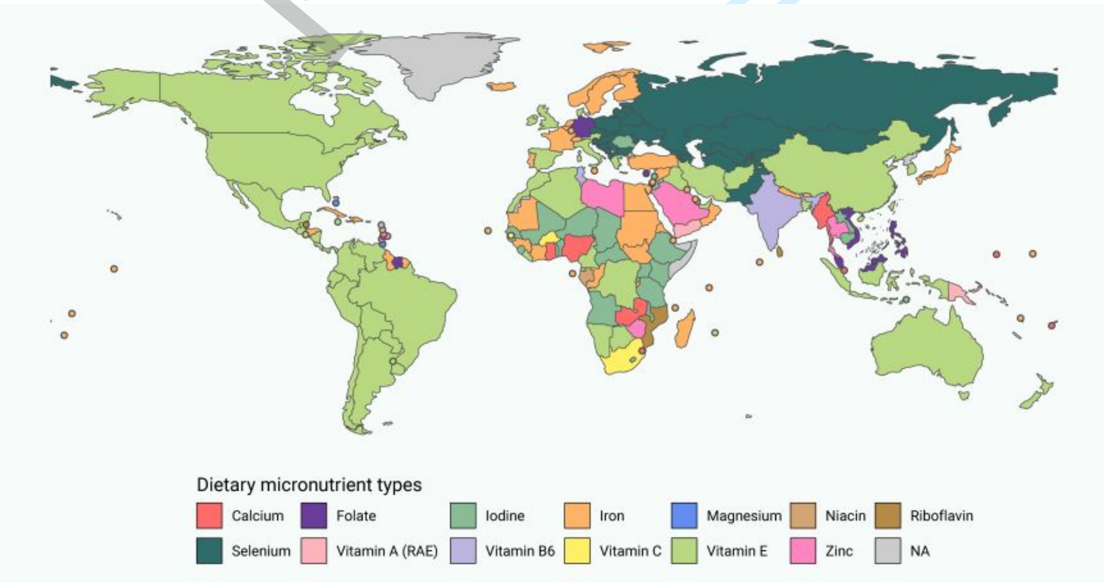


Figure 2. The micronutrient types with the highest prevalence of intake inadequacies among

WRA in 2018. Countries with land areas of less than 25000 km² are shown as points to increase visibility. WRA, women of reproductive age; RAE, retinol activity equivalents.

Regional variation in micronutrient inadequacy

South Asia had the most severe overall burden, with the prevalence of inadequate intake exceeding 90% for five nutrients: riboflavin (99.1%; 95% UI: 96.8%, 99.6%), folate (97.0%; 95% UI: 87.8%, 99.6%), vitamin B12 (92.9%; 95% UI: 84.4%, 97.4%), iron (92.5%; 95% UI: 88.3%, 95.4%), and vitamin B6 (90.4%; 95% UI: 84.8%, 94.8%) (Figure 3 and Table S3). Latin America and Caribbean had the highest vitamin E inadequacy globally. In sub-Saharan Africa, multiple micronutrients showed high intake inadequacy, including iodine, calcium, vitamin E, and iron (Table S3). East Asia and Pacific was characterised by high calcium inadequacy. By contrast, North America had the lowest inadequacy prevalence for most nutrients, although vitamin E and iron inadequacy remained substantial.

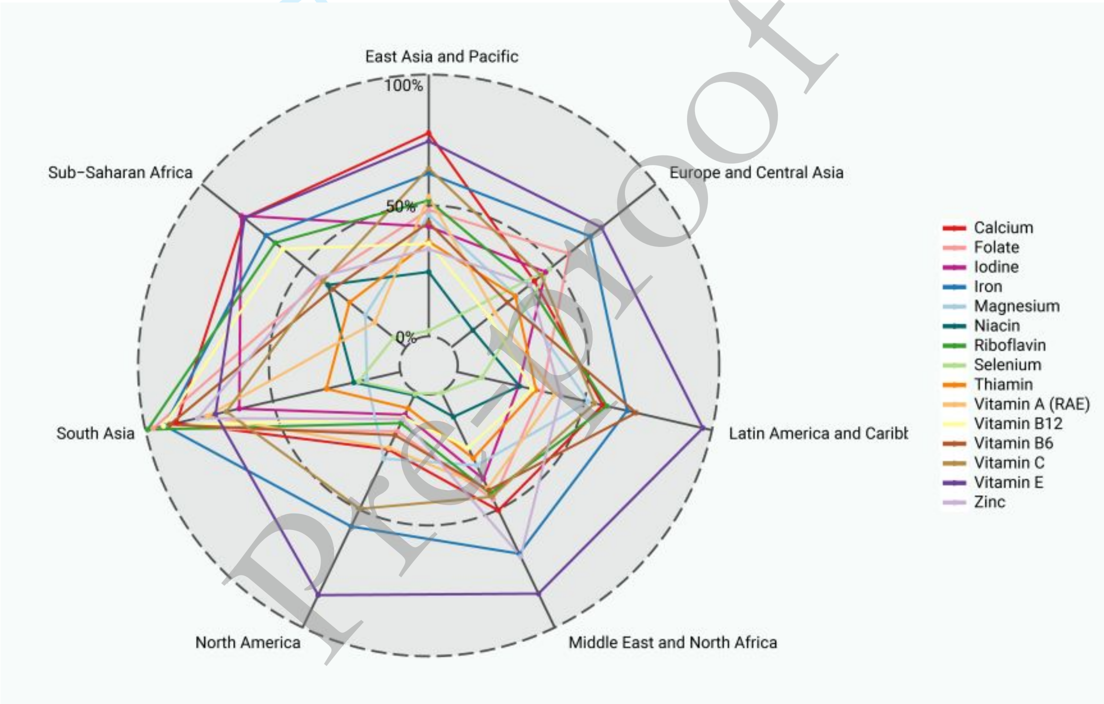


Figure 3. Prevalence of intake inadequacies by World Bank region among WRA in 2018. Radial distance indicates prevalence of intake inadequacy (0-100%) across seven World Bank regions. WRA, women of reproductive age; RAE, retinol activity equivalents.

Age variation in micronutrient inadequacy

In 2018, the global prevalence of intake inadequacy was highest among adolescent women aged 15-19 years for nearly all 15 micronutrients examined, with the highest estimates observed for calcium (84.6%; 95% UI: 76.9%, 89.0%), vitamin E (80.5%; 95% UI: 41.7%, 96.1%), and iron (78.4%; 95% UI: 60.5%, 88.1%) (Table S4). The largest absolute reductions between women aged 15-19 years and those aged 45-49 years were observed for zinc (a decline from 62.6% to 43.5%), calcium (from 84.6% to 65.6%), and magnesium (from 45.0% to 30.2%). These age patterns were broadly consistent across the seven World Bank regions, although their magnitude differed

(Figure 4). For magnesium, the decline between women aged 15-19 years and those aged 45-49 years exceeded 25 percentage points in the Middle East and North Africa (from 55.9% to 24.1%), East Asia and Pacific (from 68.1% to 41.8%), and North America (from 52.4% to 22.8%). In South Asia, iron inadequacy remained consistently high across all age groups.

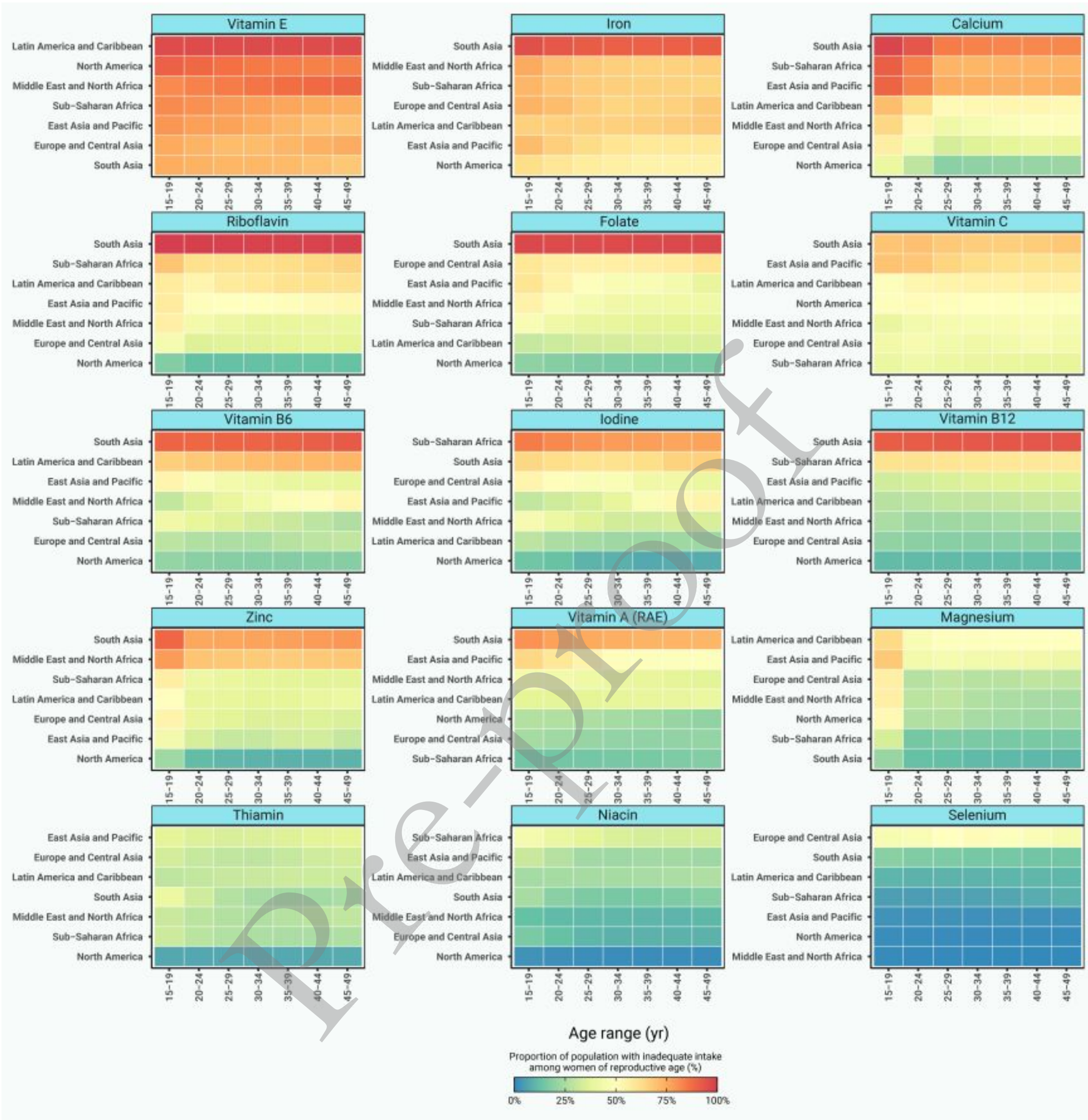


Figure 4: Prevalence of intake inadequacies by World Bank region and micronutrient among WRA in 2018. Micronutrients and regions are arranged in order of decreasing prevalence of intake inadequacies. Heatmaps show the prevalence of intake inadequacies across different age groups of WRA. WRA, women of reproductive age; RAE, retinol activity equivalents.

Temporal trends in micronutrient inadequacy

The prevalence of intake inadequacy increased for several micronutrients among WRA between 1990 and 2018 (Table 1). Iron showed the largest deterioration, with the prevalence of inadequacy rising from 57.2% (95% UI: 39.4%, 75.9%) to 72.0% (95% UI: 53.0%, 85.1%) (β = 0.57; 95% confidence interval (CI): 0.40, 0.74; $P < 0.001$). Vitamin B12 inadequacy increased from 45.0% (95% UI: 29.6%, 64.0%) to 49.3% (95% UI: 34.3%, 67.0%) (β = 0.15; 95% CI: 0.10, 0.21; P =

0.001), with evidence of an accelerating trend (β^2 = 0.005; 95% CI: 0.002, 0.009; P = 0.016). Vitamin E inadequacy remained consistently elevated, increasing from 73.3% (95% UI: 32.9%, 93.7%) to 77.7% (95% UI: 38.3%, 95.0%) (β = 0.24; 95% CI: 0.05, 0.43; P = 0.023). By contrast, the prevalence of inadequate intake declined substantially for several micronutrients. Magnesium had the largest decline, with the prevalence of inadequacy decreasing from 58.7% (95% UI: 42.4%, 70.5%) to 31.3% (95% UI: 16.0%, 51.1%) (β = -1.04; 95% CI:-1.28, -0.80; P < 0.001), representing an overall reduction of 27.4% (95% CI: 4.9%, 49.8%; P = 0.017) (Figure 5). Similarly, niacin inadequacy declined substantially from 48.5% (95% UI: 32.1%, 62.1%) to 21.4% (95% UI: 13.9%, 35.9%) (β = -0.88; 95% CI: -1.41, -0.35; P = 0.008), with an overall decrease of 27.1% (95% CI: 8.5%, 45.7%; P = 0.004).

Micronutrient	Change, % (95% CI)	P value
Iron	14.9 (−9.4, 39.1)	0.230
Vitamin E	4.4 (−37.1, 46.0)	0.835
Vitamin B12	4.3 (−19.5, 28.0)	0.725
Selenium	−1.6 (−45.4, 42.1)	0.941
Riboflavin	−2.7 (−24.3, 18.9)	0.805
Calcium	−5.4 (−15.2, 4.3)	0.273
Vitamin A (RAE)	−5.8 (−32.2, 20.7)	0.670
Thiamin	−7.9 (−31.1, 15.3)	0.504
Zinc	−9.6 (−33.1, 13.9)	0.424
Iodine	−10.3 (−78.6, 58.0)	0.768
Folate	−13.4 (−46.7, 19.9)	0.431
Vitamin B6	−18.2 (−41.8, 5.4)	0.131
Vitamin C	−19.8 (−35.0, −4.6)	0.011
Niacin	−27.1 (−45.7, −8.5)	0.004
Magnesium	−27.4 (−49.8, −4.9)	0.017

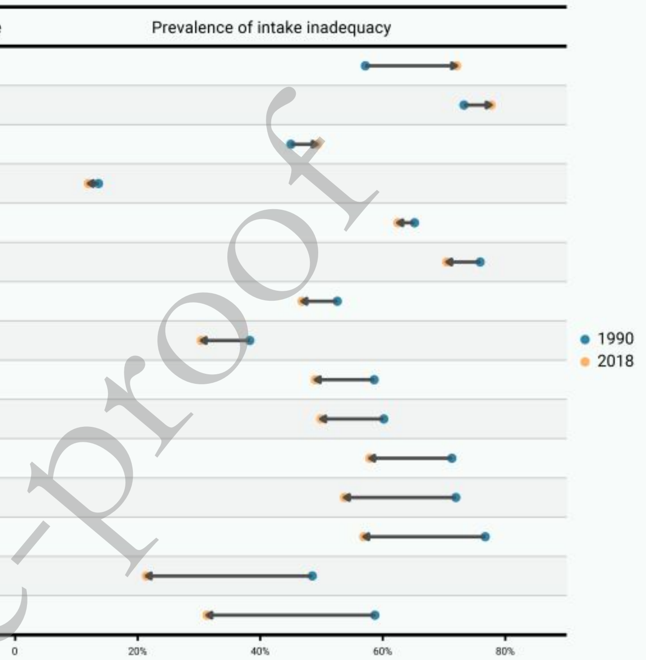


Figure 5. Changes in the prevalence of intake inadequacies among WRA between 1990 and 2018. Arrows indicate the direction of change in inadequate intake prevalence, with rightward arrows indicating increases and leftward arrows indicating decreases. Data are presented as change in percentage points and 95% confidence intervals. P values denote whether changes between time points were significantly different. WRA, women of reproductive age; RAE, retinol activity equivalents.

Health inequities analysis

The slope index of inequality revealed substantial absolute inequalities for several micronutrients (Figure S19). Iodine had the largest absolute inequality, with slope indices of -59.00 (95% CI: -71.21, -46.78) in 1990 and -55.36 (95% CI: -66.81, -43.90) in 2018. Calcium inequality increased from -31.40 (95% CI: -40.83, -21.98) in 1990 to -42.05 (95% CI: -49.93, -34.16) in 2018, and riboflavin inequality rose from -33.22 (95% CI: -41.06, -25.38) to -38.50 (95% CI: -45.85, -31.14). The concentration index analysis revealed that most micronutrients had higher inadequacy prevalence in lower SDI countries, although relative inequalities generally diminished between 1990 and 2018 (Figure S20). Notable exceptions were magnesium and selenium, for which the concentration index increased over time. Magnesium showed a pronounced shift from -0.08 (95% CI: -0.21, 0.05) in 1990 to 0.29 (95% CI: 0.16, 0.42) in 2018, and selenium inequality also intensified, from -0.17 (95% CI: -0.29, -0.05) to -0.25 (95% CI: -0.39, -0.11). By 2018, the strongest SDI-related relative inequalities were observed for magnesium (0.29; 95% CI: 0.16, 0.42) and zinc (-0.28; 95% CI: -0.43, -0.14).

DISCUSSION

In this modelling analysis focused on WRA, we found that inadequate intakes of several essential micronutrients remain widespread, with particularly high estimated burdens for vitamin E, iron, and calcium. We also observed pronounced regional heterogeneity, worsening trends for several nutrients between 1990 and 2018, and substantial inequalities across countries by SDI. Taken together, these findings provide a focused, population-specific view of the global distribution of micronutrient intake inadequacy in a group of particular biological and public health importance.

Global, regional, and national patterns of micronutrient inadequacy

Vitamin E inadequacy observed in our analysis is consistent with previous population-based assessments. An urban Latin American study reported a mean vitamin E inadequacy of 89.6% among women[35] and US national data indicate that approximately 90% of adults do not meet the estimated average requirement.[36] The widespread nature of this inadequacy across diverse regions likely reflects insufficient intake of vitamin E-rich foods such as vegetable oils, nuts, whole grains, and green leafy vegetables, together with increased consumption of processed foods, in which vitamin E content is reduced by processing and storage.[37] Iron inadequacy was most pronounced in South Asia, where predominantly plant-based diets and limited intake of bioavailable heme iron sources contribute to low absorbed iron, particularly during pregnancy when iron requirements are elevated to support fetal growth and the expansion of maternal blood volume.[38,39] The high prevalence of iron inadequacy in this region parallels the high prevalence of anaemia among pregnant women,[40] and underscores the importance of prenatal iron supplementation in preventing anaemia and reducing adverse pregnancy outcomes.[41] For calcium, our findings align with prior estimates that approximately 90% of people at risk of calcium deficiency reside in Africa and Asia.[42] This regional pattern is consistent with limited availability of dairy products, particularly in low- and middle-income countries (LMICs), and low coverage of calcium fortification of commercial foods.[43,44] The predominantly plant-based diets common in Africa present additional challenges,[44] because phytates in these foods inhibit calcium absorption.[45] The higher prevalence of calcium inadequacy among women aged 15-24 years may reflect the suboptimal dietary quality frequently reported among younger women.[46]

Several countries and regions showed distinct patterns that diverged markedly from these global trends, reinforcing the importance of location-specific assessment and intervention strategies.[47] Selenium was the leading inadequacy in Pakistan, Russia, and several Eastern European countries, where low soil selenium content is likely to be a contributing factor, and average selenium intake in Eastern Europe is lower than in Western Europe.[48] Potential strategies for these regions include applying selenium-enriched fertilisers to soil, supplementing animal feed, and implementing population-level supplementation programmes.[49] In India, the leading inadequacies were the B vitamins; predominantly vegetarian and otherwise unbalanced dietary patterns may contribute to chronic folate and vitamin B12 deficiencies in this setting.[50,51] Up to 90% of women worldwide, mainly those in resource-limited countries, do not obtain sufficient folate from their diets.[52] In sub-Saharan Africa, the high estimated iodine inadequacy should be interpreted with caution. Our estimates are based on dietary intake and do not capture iodine from iodised salt or iodine-containing seasonings, which are the principal sources of iodine in most populations. Given that UNICEF estimates that approximately 88% of the global population now consumes iodised salt, with household coverage in sub-Saharan Africa generally exceeding three-quarters, our estimates likely overstate iodine intake inadequacy in this region,[53] whereas the calcium, vitamin E, and iron inadequacies represent the more actionable nutrition priorities.

Temporal trends in micronutrient inadequacy

Between 1990 and 2018, the prevalence of several micronutrient inadequacies declined substantially. These improvements largely reflect effective interventions implemented by global public health organisations over the past three decades, including supplementation and fortification strategies that have been associated with reductions in specific micronutrient inadequacies.[54] Trends nevertheless worsened for several nutrients, with iron showing the largest deterioration and vitamin B12 and vitamin E inadequacies also rising. The rising consumption of ultra-processed foods worldwide[55] has been accompanied by a reduction in the micronutrient density of habitual diets, with the micronutrient content of ultra-processed foods reported to be less than half that of unprocessed or minimally processed foods.[56] In addition, higher consumption of coffee, tea, and other polyphenol-rich beverages may further inhibit iron absorption and contribute to the deterioration in iron intake adequacy.[57,58] The declining nutrient density of processed foods and their expanding role in global food systems may therefore partly explain the worsening trends observed for several micronutrients.

Although GDD coverage ends in 2018, several independent post-2018 sources are broadly consistent with the trends reported here. Recent global analyses indicate that progress in reducing anaemia among WRA has stagnated rather than accelerated since 2018, and most countries are not on track to meet global anaemia-reduction targets.[59] Updated assessments also suggest that the burden of acute food insecurity remains widespread and may even be substantially undercounted by current global monitoring systems.[60] Multi-country evidence has also linked higher ultra-processed food consumption to a broad spectrum of adverse health outcomes,[61] and US national surveys indicate that the prevalence of inadequate intakes of vitamin A, vitamin C, and iron among WRA has continued to rise over the past two decades.[62] Together, this evidence supports the continuing relevance of our 1990-2018 estimates and highlights the need for adaptive policy frameworks that respond to evolving dietary patterns and emerging nutritional risks.

Health inequities analysis

Our inequality analysis showed that the prevalence of inadequate intake was higher in lower-SDI countries for most micronutrients. Limited dietary diversity and reliance on energy-dense but nutrient-poor staple foods are well documented among WRA in LMICs and lower socioeconomic strata and may partly explain the observed SDI gradient in micronutrient inadequacy.[63,64] The general narrowing of relative inequalities between 1990 and 2018 may be consistent with some progress arising from global development efforts and coordinated nutrition interventions. By contrast, magnesium showed an inverted pattern, with the concentration index indicating that inadequacy was becoming increasingly concentrated in higher-SDI countries. One possible explanation is that the typical Western dietary pattern, characterised by high consumption of refined and processed foods together with low intakes of whole grains, green leafy vegetables, nuts, and legumes, is associated with lower magnesium intake.[65,66] Demineralised drinking water and the cultivation of crops on magnesium-depleted soils may further reduce magnesium availability in these settings.[67] These findings suggest that reducing nutritional inequalities will require a comprehensive policy approach, potentially combining targeted nutrition programmes, supportive agricultural policies, and food-system reforms.

Limitations

Our analysis has several limitations. First, our estimates rely on the most recent public GDD release, which extends only to 2018; we could not estimate intake inadequacy or temporal trends beyond this period. Second, the intake inadequacy estimated here reflects habitual dietary intake relative to average requirements and should not be equated with biochemical deficiency, clinical deficiency, or functional impairment. Third, the GDD contains measurement errors and has incomplete survey coverage across certain countries, years, demographic groups, and dietary factors,[68] particularly in many LMIC. This data sparsity contributes to the wide UIs around some micronutrient estimates. Additionally, the nutrient intake distribution shapes were based on datasets from only 31 countries and may not accurately represent all settings, potentially biasing estimates of inadequate intake. Furthermore, we did not consider nutrient interactions and bioavailability factors, except for iron and zinc. Interactions between nutrients can significantly impact absorption and utilisation. However, nutritional science is not yet sufficiently advanced to develop reliable algorithms that account for these complexities across diverse global food systems and dietary patterns. Future work should prioritise expanding dietary intake surveillance in data-scarce regions and developing modelling approaches that incorporate bioavailability and nutrient interactions, both of which would refine intake-based inadequacy estimates.

CONCLUSION

This modelling analysis suggests that inadequate intakes of multiple micronutrients are widespread among WRA worldwide, with substantial variation across nutrients, regions, and levels of sociodemographic development. The findings indicate particularly high estimated burdens for vitamin E, iron, and calcium, identify settings in which inadequacy may be especially severe, and show that temporal trends differ by nutrient. A clearer understanding of these patterns may inform more targeted nutrition strategies, including dietary improvement, fortification, supplementation, and strengthened monitoring for this nutritionally vulnerable population.

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DECLARATION OF INTERESTS

All authors declare no conflict of interests for this article.

DATA AND CODE AVAILABILITY

The underlying code for this study is not publicly available but may be made available to qualified researchers on reasonable request from the corresponding author.

ETHICAL STATEMENT AND PATIENT CONSENT

Not Applicable.

SUPPLEMENTAL INFORMATION

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FIGURES LEGENDS

Figure 1: Estimated prevalence of intake inadequacies by country and micronutrient among WRA in 2018. The estimated number and proportion of WRA with inadequacies is stated alongside each map. Countries with land areas of less than 25000 km^2 are shown as points to increase visibility. WRA, women of reproductive age; RAE, retinol activity equivalents.

Figure 2. The micronutrient types with the highest prevalence of intake inadequacies among WRA in 2018. Countries with land areas of less than 25000 km^2 are shown as points to increase visibility. WRA, women of reproductive age; RAE, retinol activity equivalents.

Figure 3. Prevalence of intake inadequacies by World Bank region among WRA in 2018. Radial distance indicates prevalence of intake inadequacy (0-100%) across seven World Bank regions. WRA, women of reproductive age; RAE, retinol activity equivalents.

Figure 4: Prevalence of intake inadequacies by World Bank region and micronutrient among WRA in 2018. Micronutrients and regions are arranged in order of decreasing prevalence of intake inadequacies. Heatmaps show the prevalence of intake inadequacies across different age groups of WRA. WRA, women of reproductive age; RAE, retinol activity equivalents.

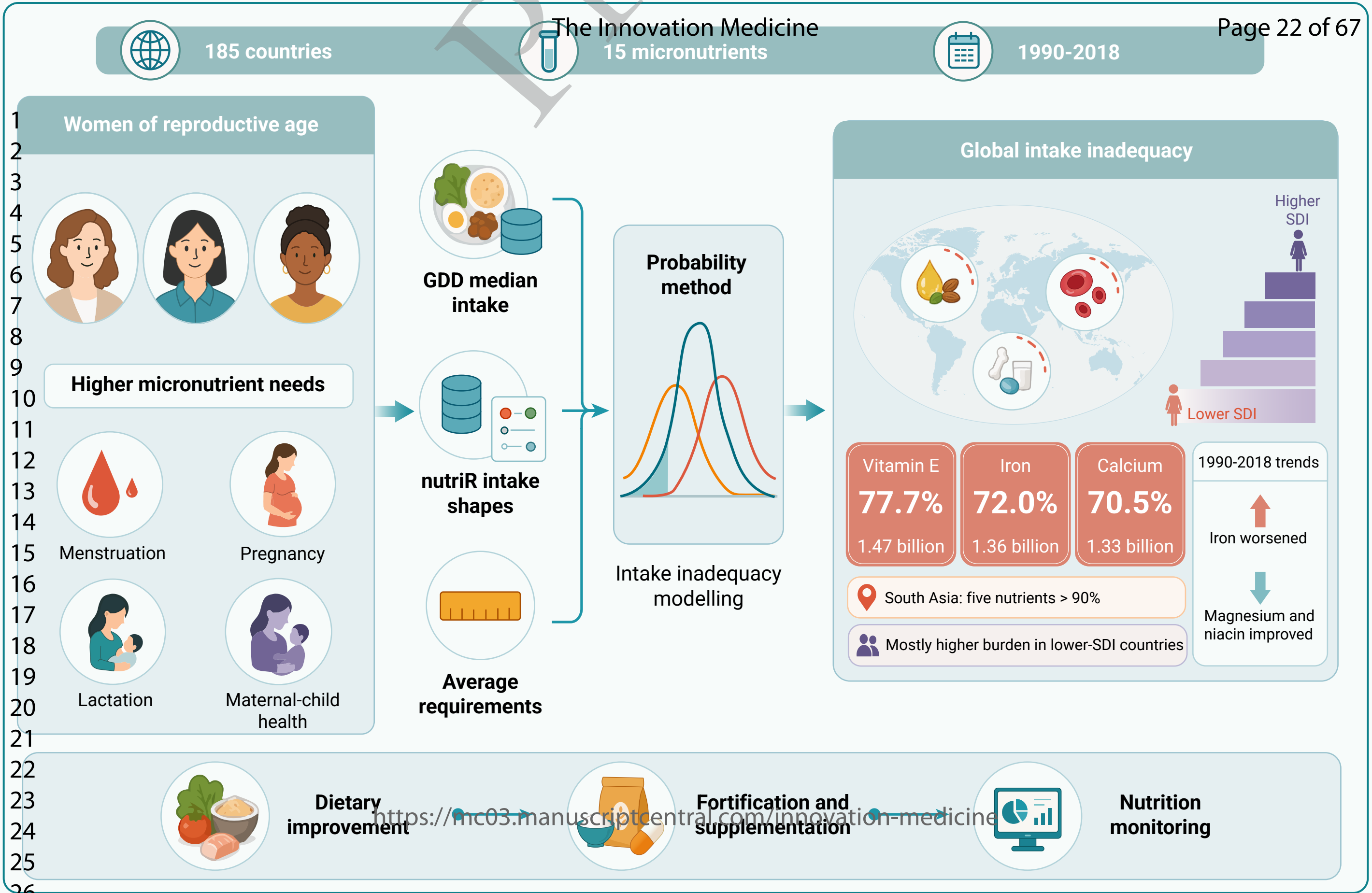
Figure 5. Changes in the prevalence of intake inadequacies among WRA between 1990 and 2018. Arrows indicate the direction of change in inadequate intake prevalence, with rightward arrows indicating increases and leftward arrows indicating decreases. Data are presented as change in percentage points and 95% confidence intervals. P values denote whether changes between time points were significantly different. WRA, women of reproductive age; RAE, retinol activity equivalents.

Table 1. Trends in prevalence of intake inadequacies among WRA, 1990-2018.

	Mean intake (95% UI)		Prevalence of intake inadequacy, % (95% UI)		Trends[a]			
	1990	2018	1990	2018	β, % (95% CI)	P value	β^2, % (95% CI)	P value
Calcium, mg/d	596.7 (589.5, 603.8)	685.7 (677.9, 693.5)	75.9 (69.2, 81.1)	70.5 (61.8, 77.1)	-0.23 (-0.34, -0.13)	0.002	0.007 (-0.007, 0.020)	0.252
Folate, μg/d	222.8 (207.1, 239.4)	275.1 (256.5, 295.1)	71.3 (41.3, 89.9)	57.9 (35.6, 81.1)	-0.47 (-0.74, -0.20)	0.006	0.029 (0.021, 0.037)	<0.001
Iodine, μg/d	164.2 (118.2, 210.3)	181.1 (132.0, 228.2)	60.2 (1.1, 97.6)	49.9 (1.0, 97.7)	-0.32 (-0.45, -0.18)	0.002	0.013 (0.002, 0.024)	0.032
Iron, mg/d	16.7 (15.7, 17.7)	13.7 (13.1, 14.2)	57.2 (39.4, 75.9)	72.0 (53.0, 85.1)	0.57 (0.40, 0.74)	<0.001	-0.014 (-0.031, 0.003)	0.081
Magnesium, mg/d	339.1 (331.3, 346.8)	434.7 (422.3, 447.1)	58.7 (42.4, 70.5)	31.3 (16.0, 51.1)	-1.04 (-1.28, -0.80)	<0.001	0.020 (-0.005, 0.045)	0.086
Niacin, mg/d	13.9 (13.4, 14.5)	18.2 (17.5, 19.1)	48.5 (32.1, 62.1)	21.4 (13.9, 35.9)	-0.88 (-1.41, -0.35)	0.008	0.051 (0.009, 0.092)	0.028
Riboflavin, mg/d	1.2 (1.2, 1.3)	1.3 (1.2, 1.3)	65.2 (48.3, 79.1)	62.5 (46.9, 77.1)	-0.11 (-0.24, 0.03)	0.093	0.014 (0.006, 0.021)	0.007
Selenium, μg/d	112.5 (93.2, 130.7)	112.6 (97.3, 129.7)	13.6 (3.1, 66.7)	12.0 (3.8, 63.7)	-0.06 (-0.06, -0.05)	<0.001	0.000 (-0.001, 0.001)	0.356
Thiamin, mg/d	1.1 (1.1, 1.2)	1.2 (1.2, 1.2)	38.3 (22.5, 57.5)	30.4 (17.5, 47.9)	-0.29 (-0.41, -0.17)	0.002	0.010 (-0.001, 0.022)	0.067
Vitamin A (RAE), μg/d	715.3 (658.5, 771.0)	901.7 (830.1, 974.5)	52.6 (32.1, 72.1)	46.8 (29.6, 64.4)	-0.25 (-0.40, -0.09)	0.009	0.010 (-0.008, 0.029)	0.193
Vitamin B12, μg/d	3.1 (2.8, 3.4)	2.9 (2.6, 3.2)	45.0 (29.6, 64.0)	49.3 (34.3, 67.0)	0.15 (0.10, 0.21)	0.001	0.005 (0.002, 0.009)	0.016
Vitamin B6, mg/d	1.1 (1.1, 1.2)	1.4 (1.3, 1.5)	71.9 (54.3, 83.2)	53.8 (36.9, 74.3)	-0.70 (-0.93, -0.47)	0.001	0.020 (-0.001, 0.042)	0.057
Vitamin C, mg/d	56.1 (54.2, 58.0)	90.8 (86.8, 94.6)	76.7 (66.8, 84.1)	56.9 (44.3, 69.3)	-0.78 (-1.04, -0.52)	0.001	0.015 (-0.019, 0.049)	0.290
Vitamin E, mg/d	11.0 (9.6, 12.4)	10.0 (9.0, 10.9)	73.3 (32.9, 93.7)	77.7 (38.3, 95.0)	0.24 (0.05, 0.43)	0.023	0.007 (-0.020, 0.035)	0.507
Zinc, mg/d	7.6 (7.2, 8.1)	9.0 (8.6, 9.5)	58.6 (40.3, 76.9)	49.0 (35.7, 65.2)	-0.34 (-0.54, -0.15)	0.006	0.019 (0.004, 0.034)	0.024

Abbreviations: WRA, women of reproductive age; RAE, retinol activity equivalents; UI, uncertainty interval; CI, confidence interval.

[a] Trends were tested using linear regression and slopes represent a 1-year change in prevalence of inadequate intake (percentage points). Linear trends displayed did not include a quadratic term in the model. Quadratic trends included a linear term in the model.


185 countries
15 micronutrients
1990-2018
Women of reproductive age
Higher micronutrient needs
Menstruation
Pregnancy
Lactation
Maternal-child health
GDD median intake
nutriR intake shapes
Average requirements
Probability method
Intake inadequacy modelling
Global intake inadequacy
Higher SDI
Lower SDI
Vitamin E
77.7%
1.47 billion
Iron
72.0%
1.36 billion
Calcium
70.5%
1.33 billion
1990-2018 trends
Iron worsened
Magnesium and niacin improved
South Asia: five nutrients > 90%
Mostly higher burden in lower-SDI countries
Dietary improvement
Fortification and supplementation
Nutrition monitoring

The Innovation Medicine, *Volume 4*

Supplemental Information

Global patterns, temporal trends, and inequalities in micronutrient intake inadequacy among women of reproductive age: A modelling analysis

DOI:

Zeyu Li, Xin Lin, Yiming Song, Xiaojie Huang, Zhongge Ji, Liuyi Yang, Jingjing Chen, Xiaolu Lin Qingwei Zhang, Xiaobo Li

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Table S4 Global prevalence of intake inadequacy (%, 95% UI) for 15 micronutrients among WRA, by 5-year age group, in 2018...38

SUPPLEMENTAL FIGURE

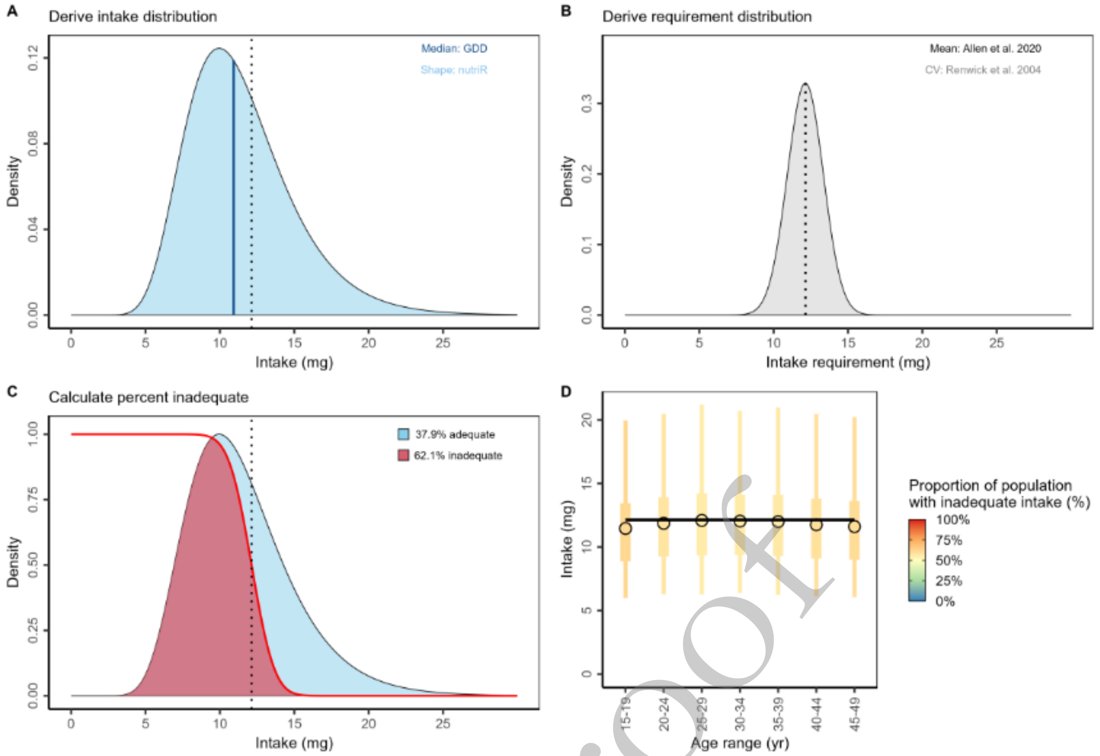


Figure S1 Methods for estimating the prevalence of intake inadequacies among WRA. Iron intakes in Kazakhstan are used as an illustrative example. Panels A-C illustrate the procedure for females aged 15-19 years, and panel D presents results for all age groups between 15 and 49 years. (A) First, we derived a skewed (gamma or log-normal) intake distribution, with the median drawn from the GDD and the distribution shape derived from the NutriR database. (B) Second, we derived a normal requirement distribution, with the mean drawn from Allen et al. and the standard deviation derived assuming a coefficient of variation of 0.25 for vitamin B12 and 0.10 for all other nutrients. (C) Finally, we estimated the prevalence of intake inadequacy by intersecting these two distributions using the probability approach and calculated the number of women with inadequate intakes using population estimates for WRA. In panels A-C, the vertical dotted line indicates the average requirement. (D) We repeated this process for each age group between 15 and 49 years. Points represent the median intake based on the GDD, boxes represent the inner 50% of the intake distribution, and whiskers represent the inner 95% of the intake distribution. Black lines indicate age-specific average requirements. WRA, women of reproductive age; GDD, Global Dietary Database.

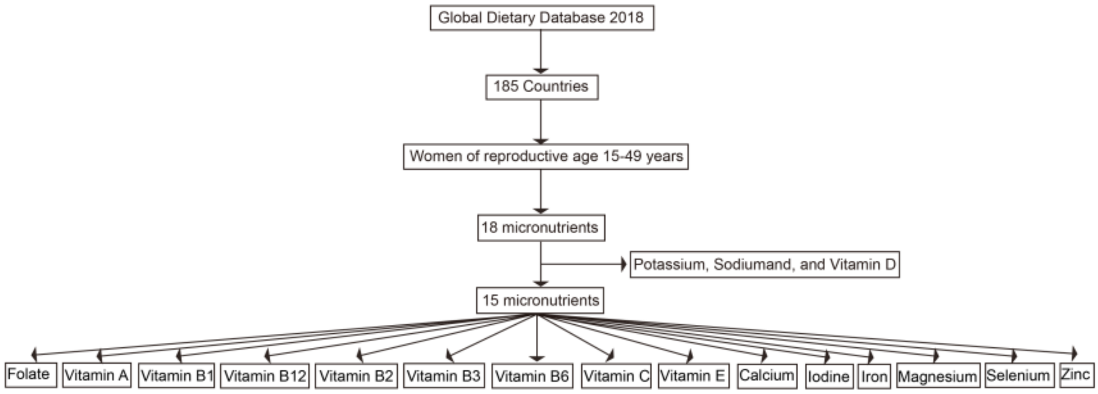


Figure S2 The flow chart of data selection.

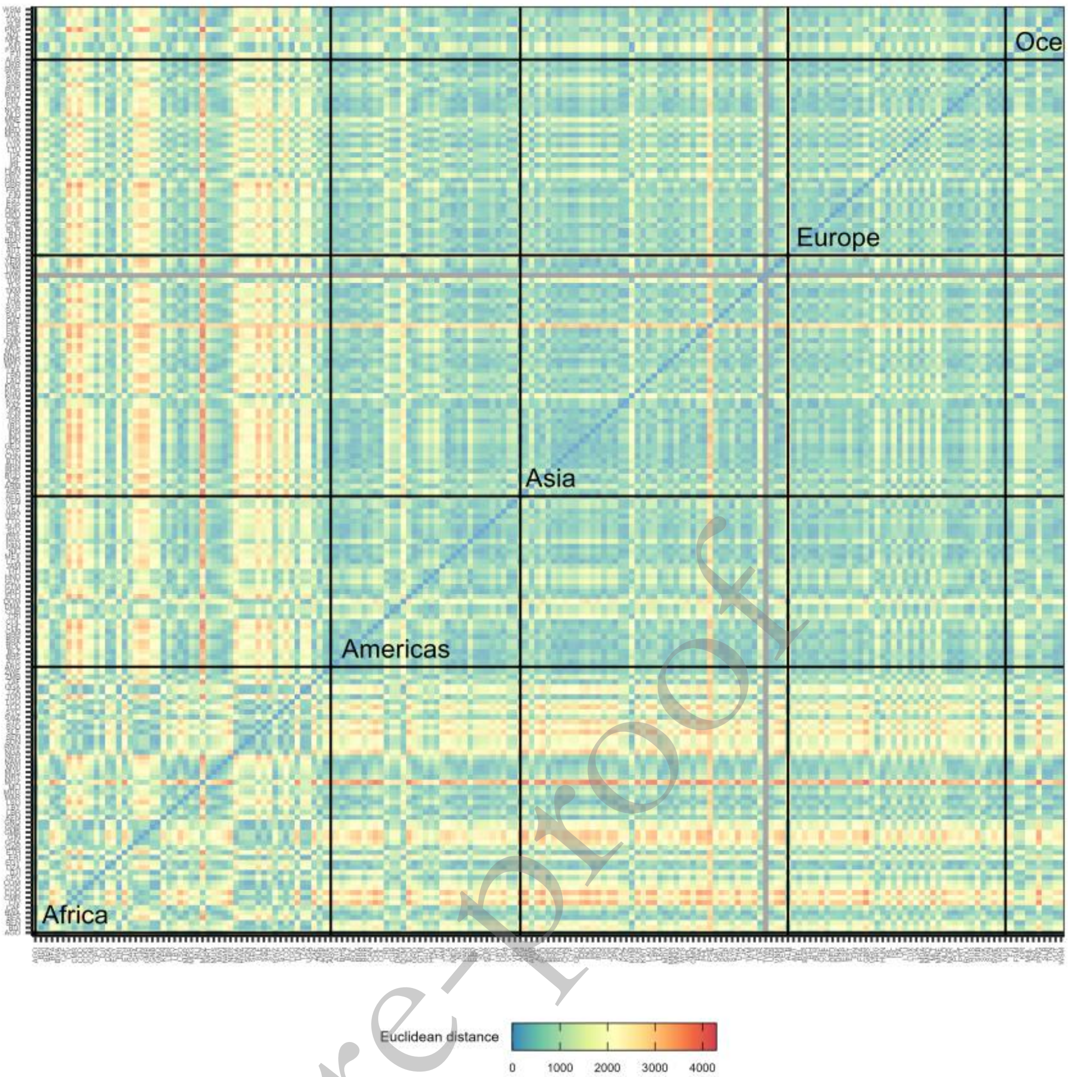


Figure S3 The Euclidean distance between the nutrient intakes among WRA in the 185 countries with GDD intake estimates in 2018. Euclidean distances were calculated using average vitamin and mineral intakes for WRA. Smaller distances indicate greater similarity in nutrient intakes between countries, while larger distances indicate greater dissimilarity. Countries are grouped by continent. WRA, women of reproductive age; GDD, Global Dietary Database.

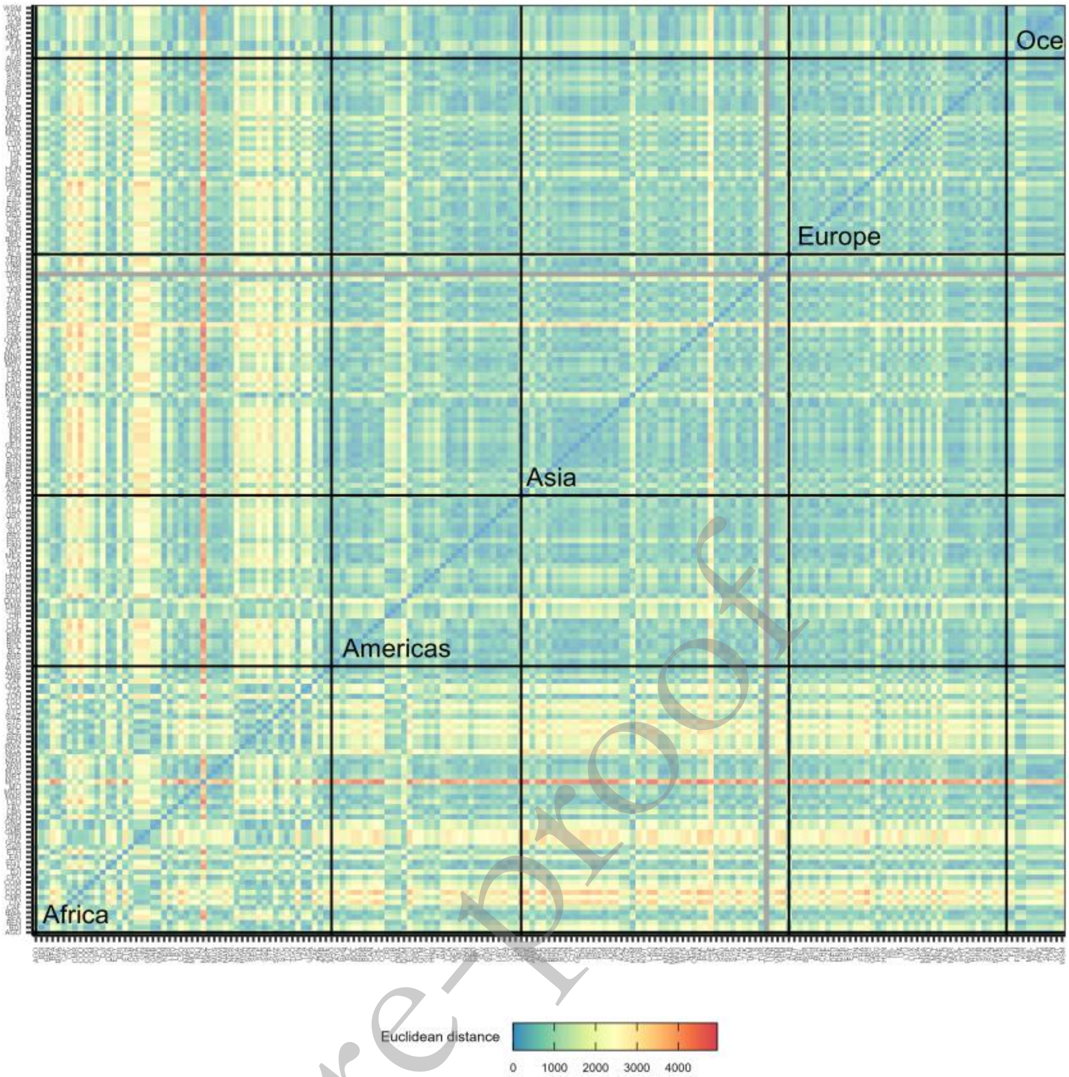


Figure S4 The Euclidean distance between the nutrient intakes among WRA in the 185 countries with GDD intake estimates in 2015. WRA, women of reproductive age; GDD, Global Dietary Database.

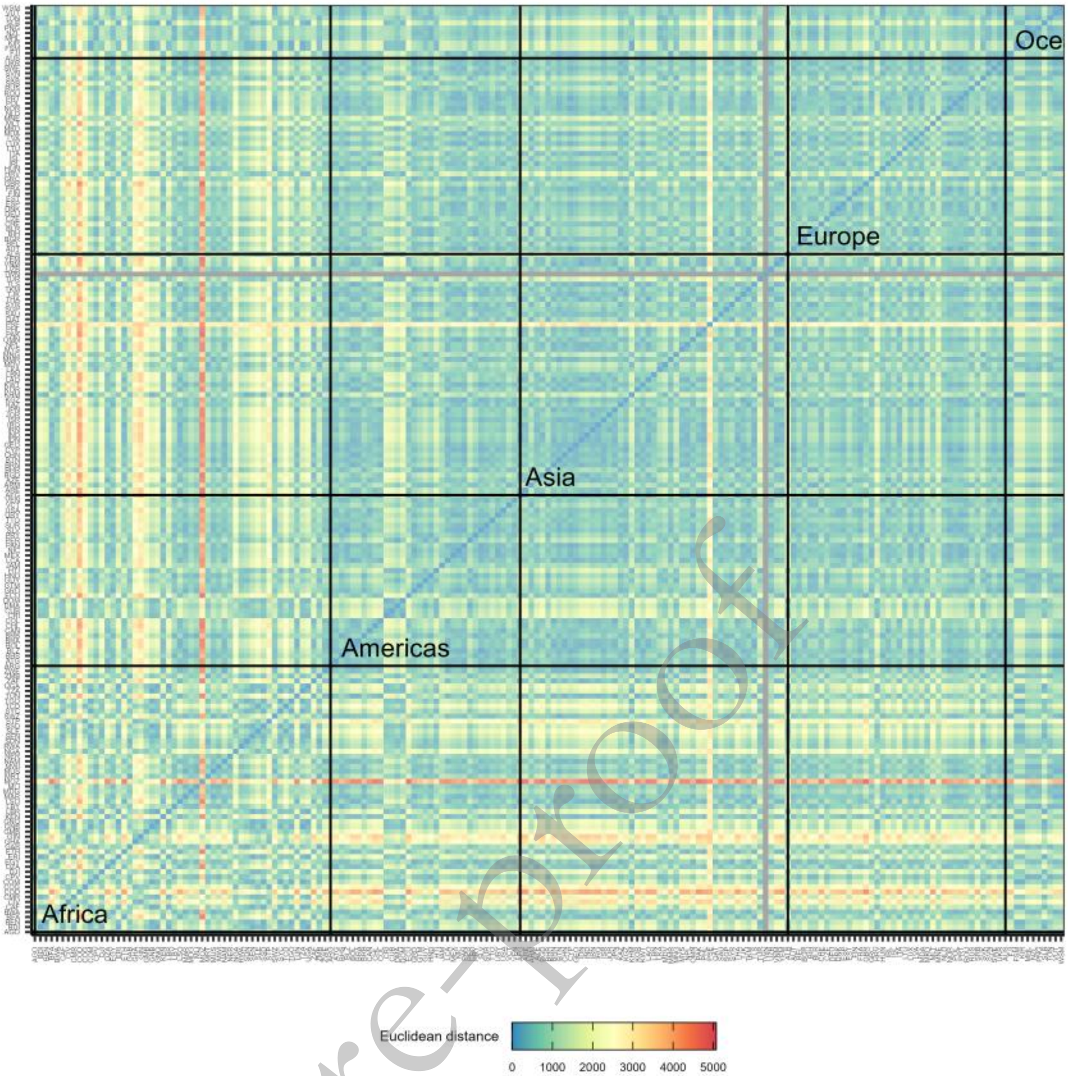


Figure S5 The Euclidean distance between the nutrient intakes among WRA in the 185 countries with GDD intake estimates in 2010. WRA, women of reproductive age; GDD, Global Dietary Database.

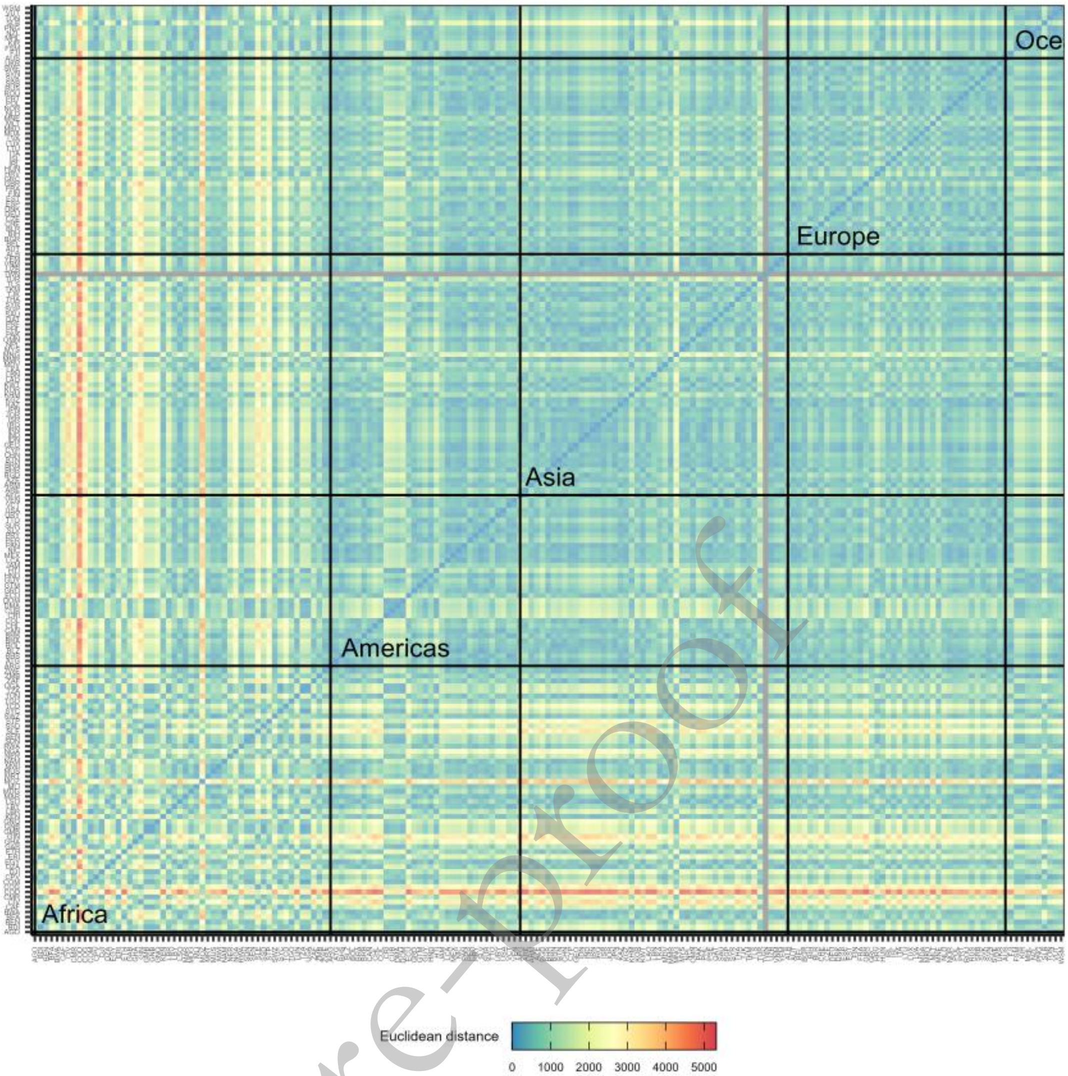


Figure S6 The Euclidean distance between the nutrient intakes among WRA in the 185 countries with GDD intake estimates in 2005. WRA, women of reproductive age; GDD, Global Dietary Database.

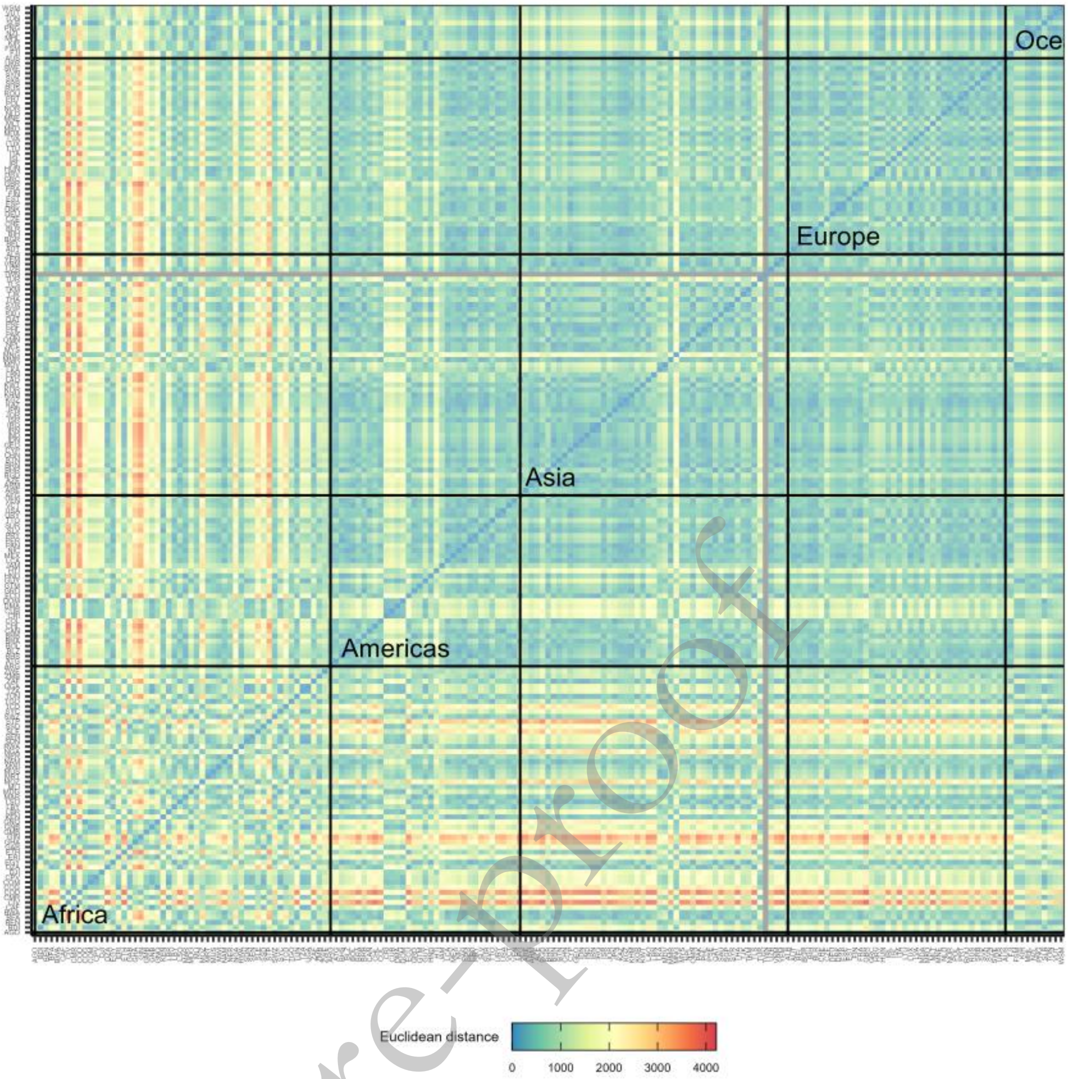


Figure S7 The Euclidean distance between the nutrient intakes among WRA in the 185 countries with GDD intake estimates in 2000. WRA, women of reproductive age; GDD, Global Dietary Database.

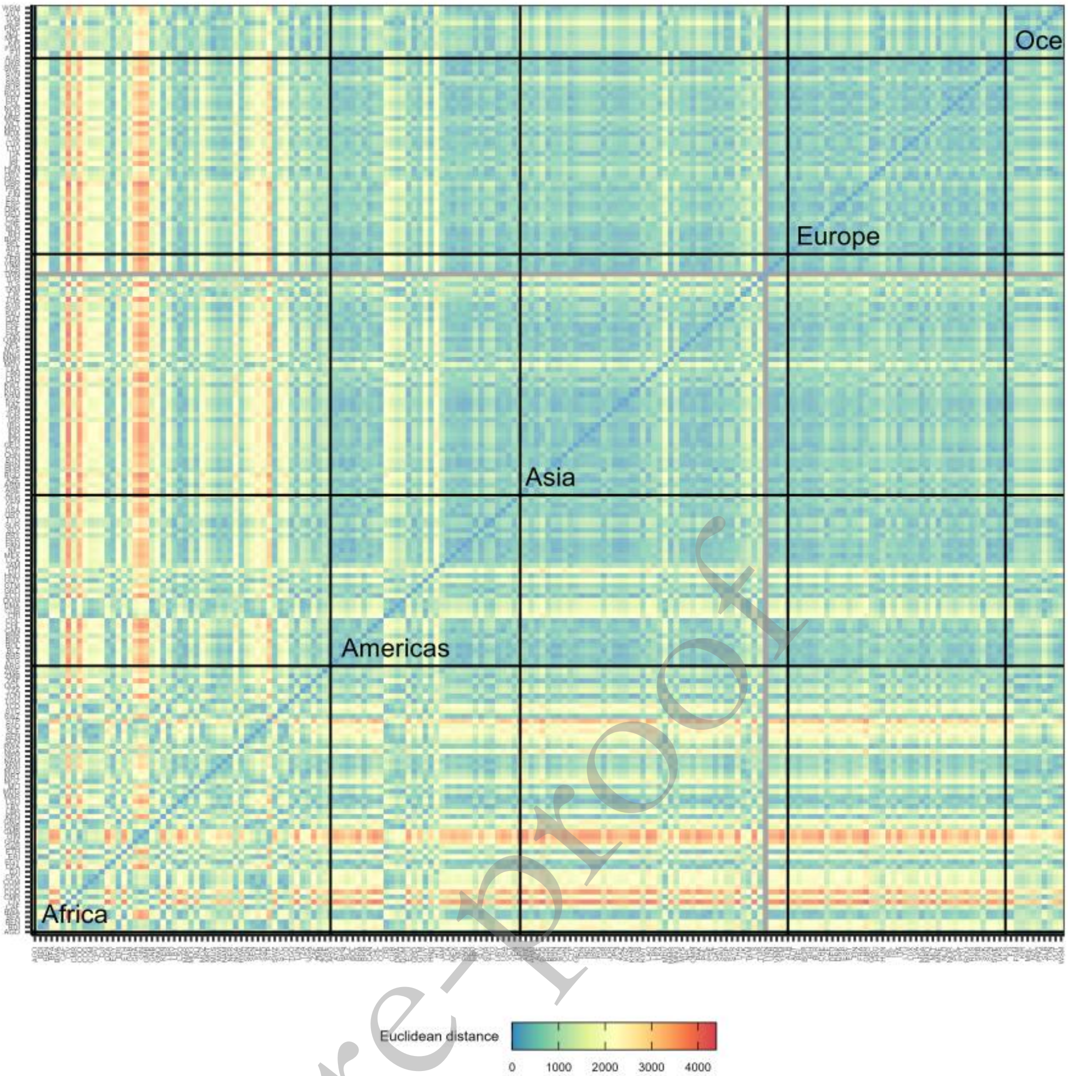


Figure S8 The Euclidean distance between the nutrient intakes among WRA in the 185 countries with GDD intake estimates in 1995. WRA, women of reproductive age; GDD, Global Dietary Database.

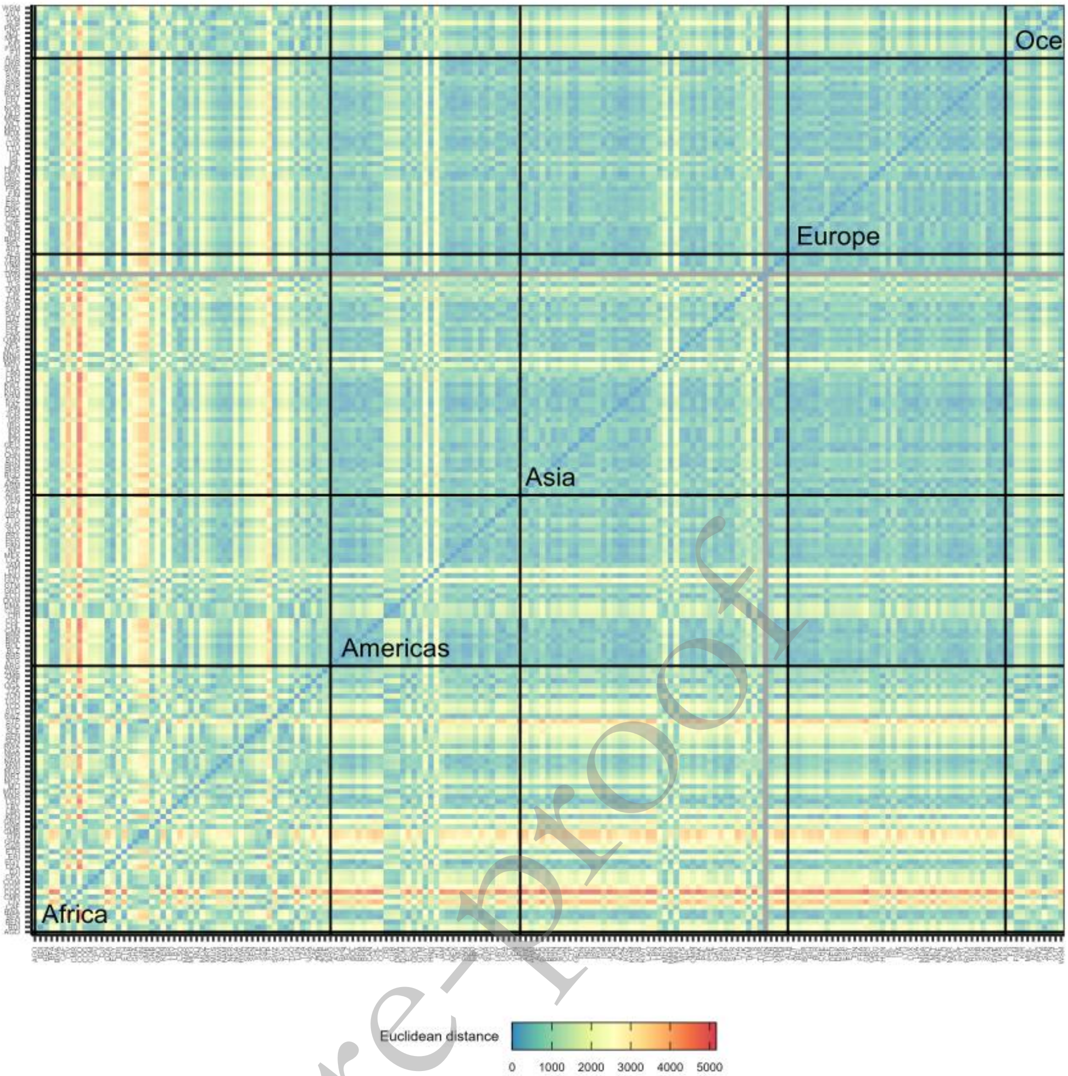


Figure S9 The Euclidean distance between the nutrient intakes among WRA in the 185 countries with GDD intake estimates in 1990. WRA, women of reproductive age; GDD, Global Dietary Database.

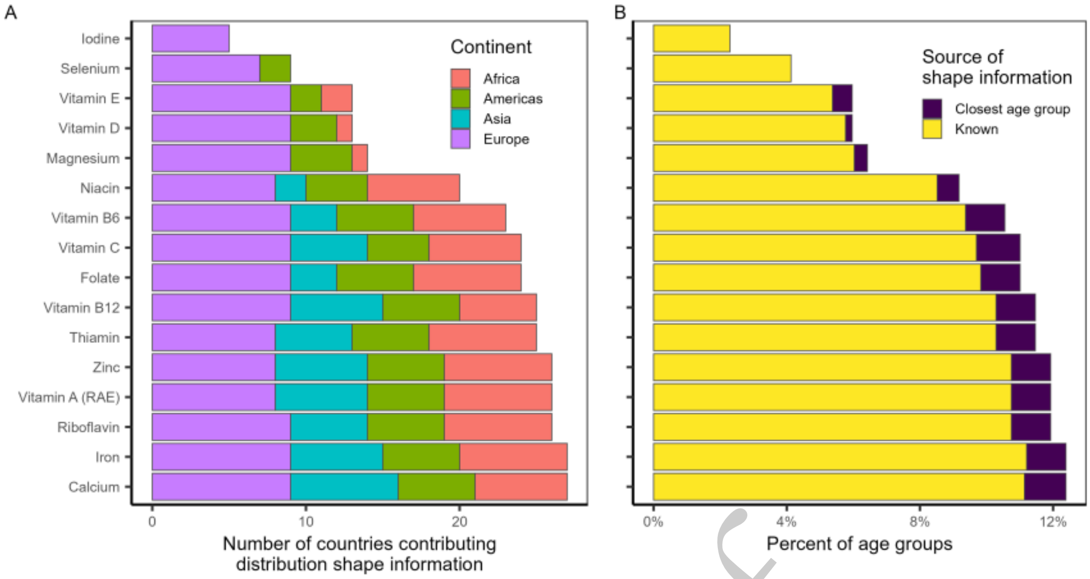


Figure S10 Availability of distribution shape information for constructing usual intake distributions among WRA. Panel A presents the number of countries contributing shape information by continent. Panel B displays the percentage of age groups between 15 and 49 years with available shape information or with shape information borrowed from the nearest age group or opposite sex. Shape information for the remaining percentage was borrowed from the corresponding age group in the most similar country (see Methods section). WRA, women of reproductive age.

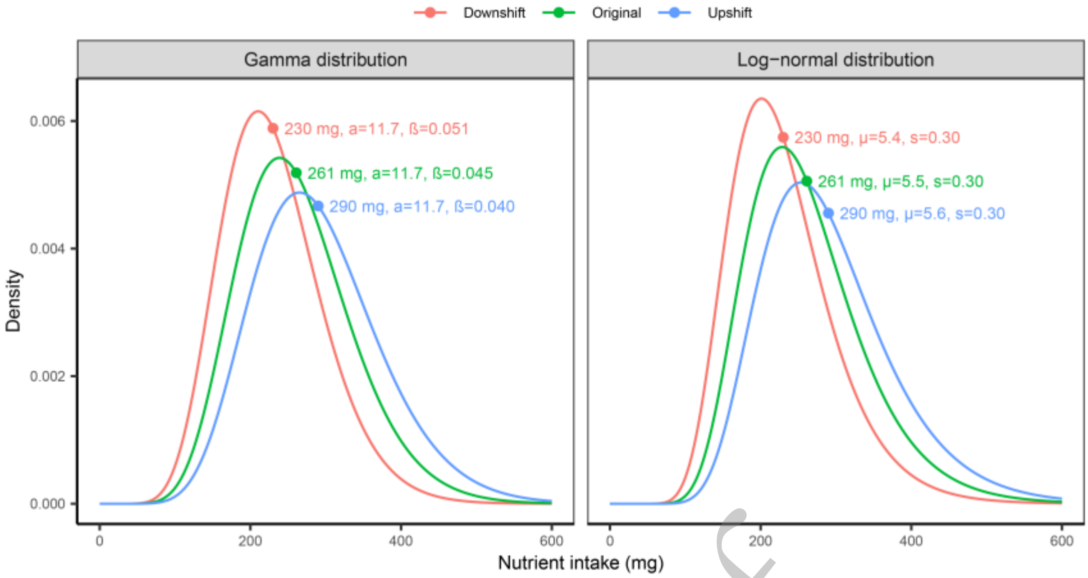


Figure S11 Conceptual illustration of the methods used to shift the distributions defined by the matched shape parameters to align with the GDD median for each subnational group. Distributions were shifted by maintaining the variability parameter (α and σ for the gamma and log-normal distributions, respectively) while adjusting the centrality parameter (β and μ for the gamma and log-normal distributions, respectively). GDD, Global Dietary Database.

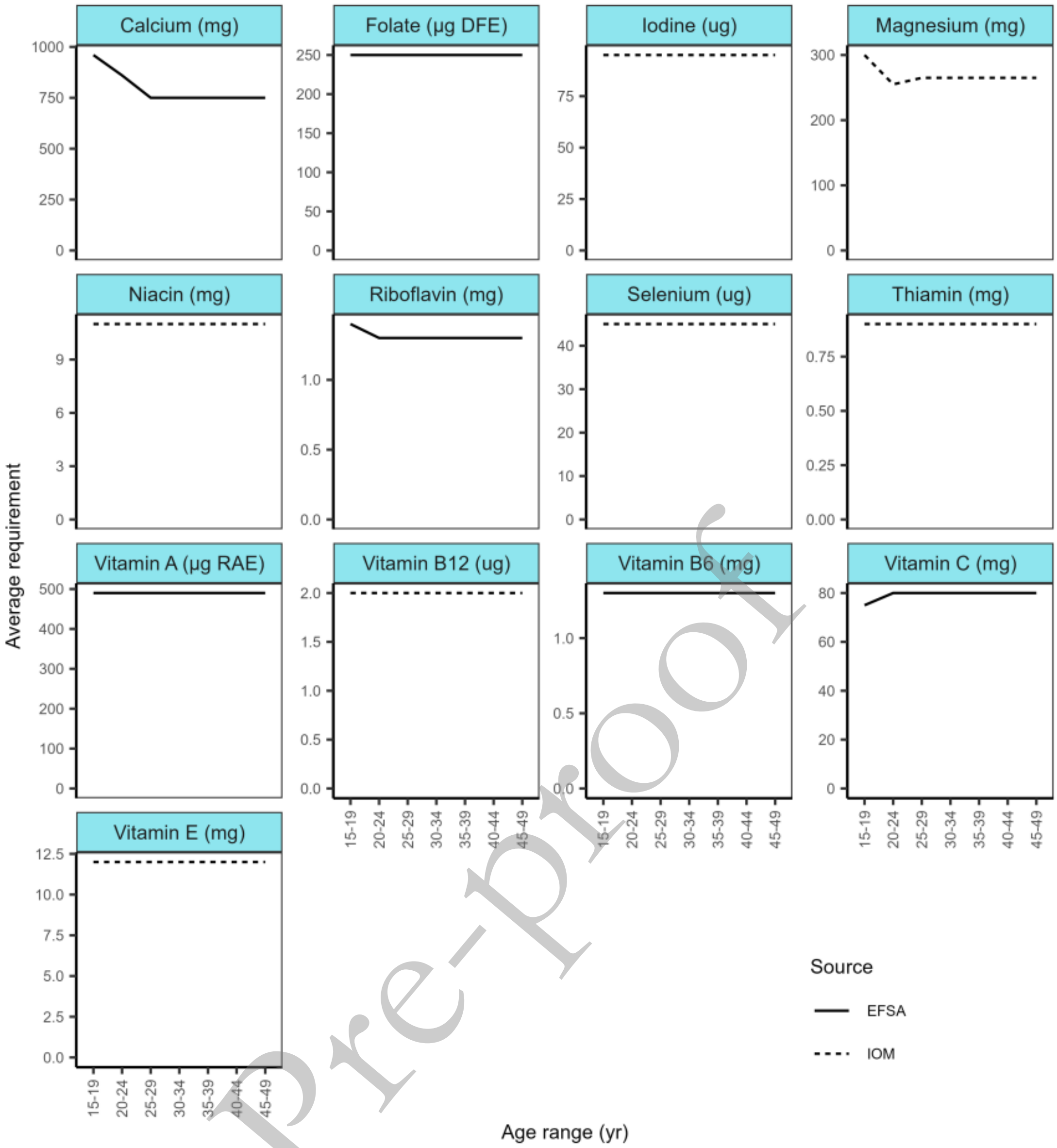


Figure S12 Harmonized average requirements from Allen et al. for 13 of 15 nutrients evaluated in this study among WRA. Average requirements for iron and zinc are shown in Figure S13 and S16. Harmonized average requirements are derived from the U.S. Institute of Medicine (IOM) and European Food Safety Authority (EFSA). WRA, women of reproductive age.

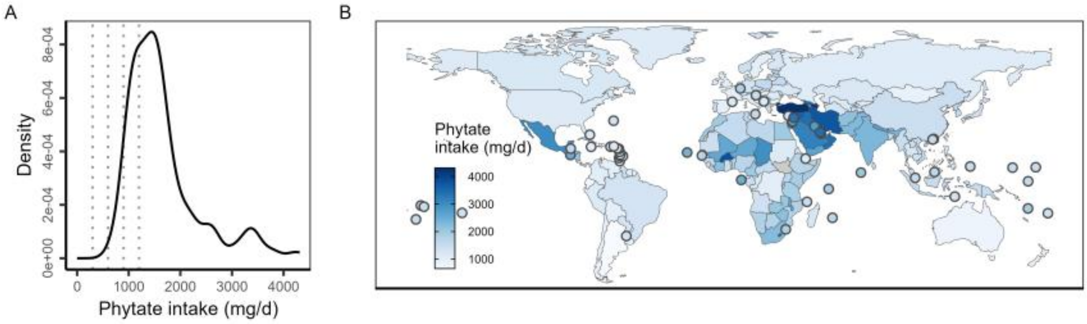


Figure S13 Phytate intake in 2005 as estimated by Wessells and Brown. In (A), vertical lines indicate the phytate intake reference points used to specify average requirements in Allen et al.. In (B), countries with land areas less than 25,000 km^2 are shown as points to increase visibility.

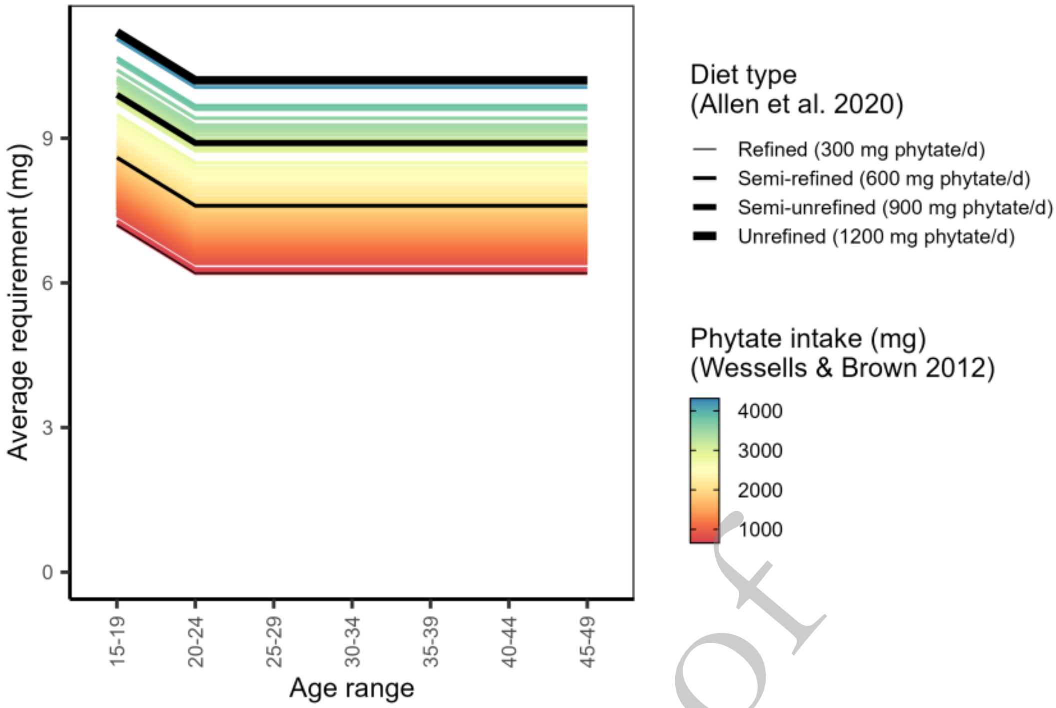


Figure S14 Age-specific zinc requirements. Age-specific average requirements for zinc among WRA based on diet type, as specified by Allen et al., and phytate intake in 2005, as estimated by Wessells and Brown. The colored areas represent the requirements estimated for each country based on their phytate intake levels. WRA, women of reproductive age.

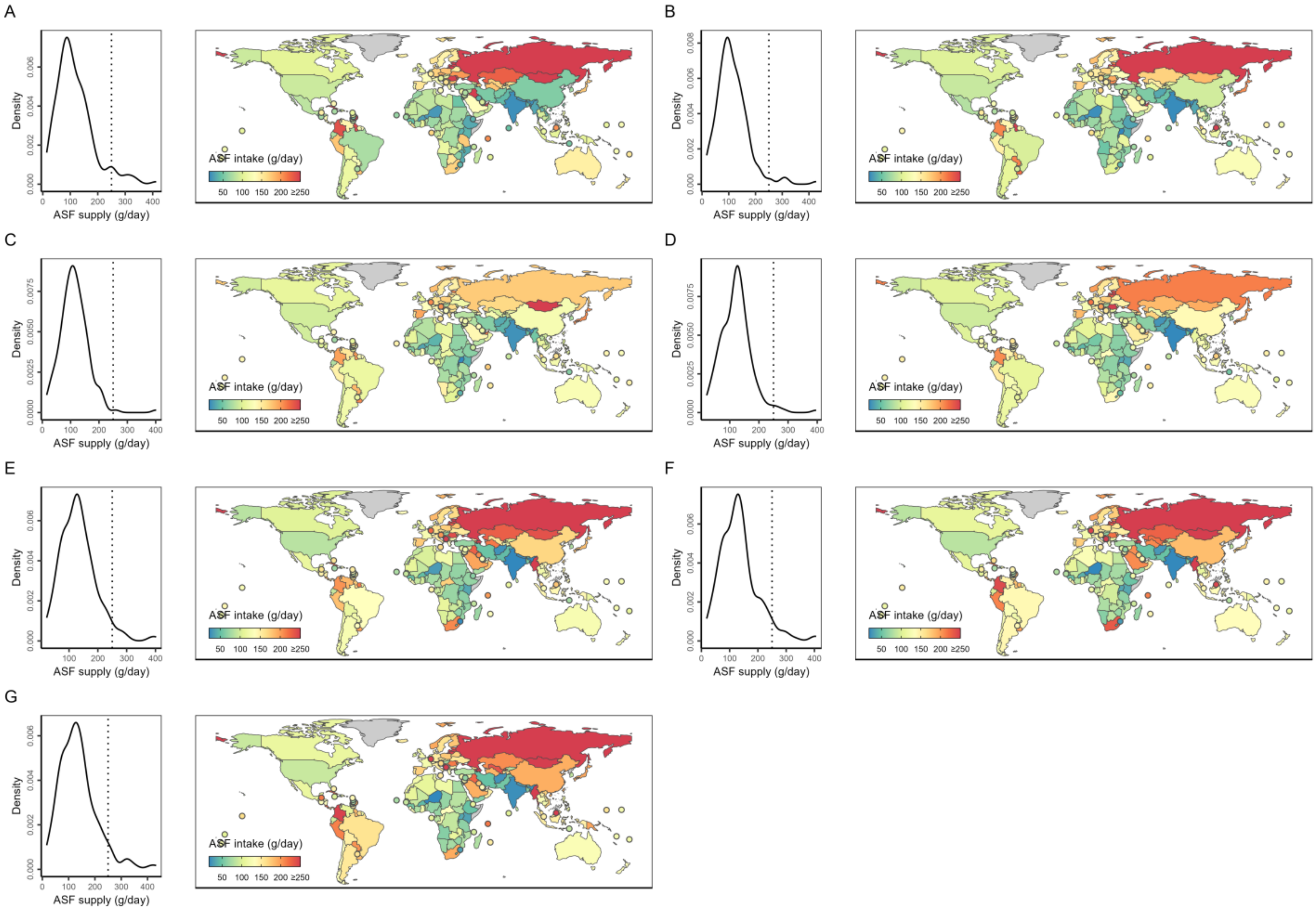


Figure S15 Average ASF intake from 1990 to 2018. Average country-level ASF intake (sum of unprocessed red meat, processed meat, seafood, and egg intakes) in the GDD from 1990 to 2018, presented by time period: (A) 1990, (B) 1995, (C) 2000, (D) 2005, (E) 2010, (F) 2015, and (G) 2018. In each panel, the left figure displays the full data range and the right figure presents data capped at ⩾250 g/day to enhance visualisation (vertical line in left figure indicates this threshold). Countries with land areas less than 25,000 km² are shown as points to improve visibility. ASF, animal-source food; GDD, Global Dietary Database.

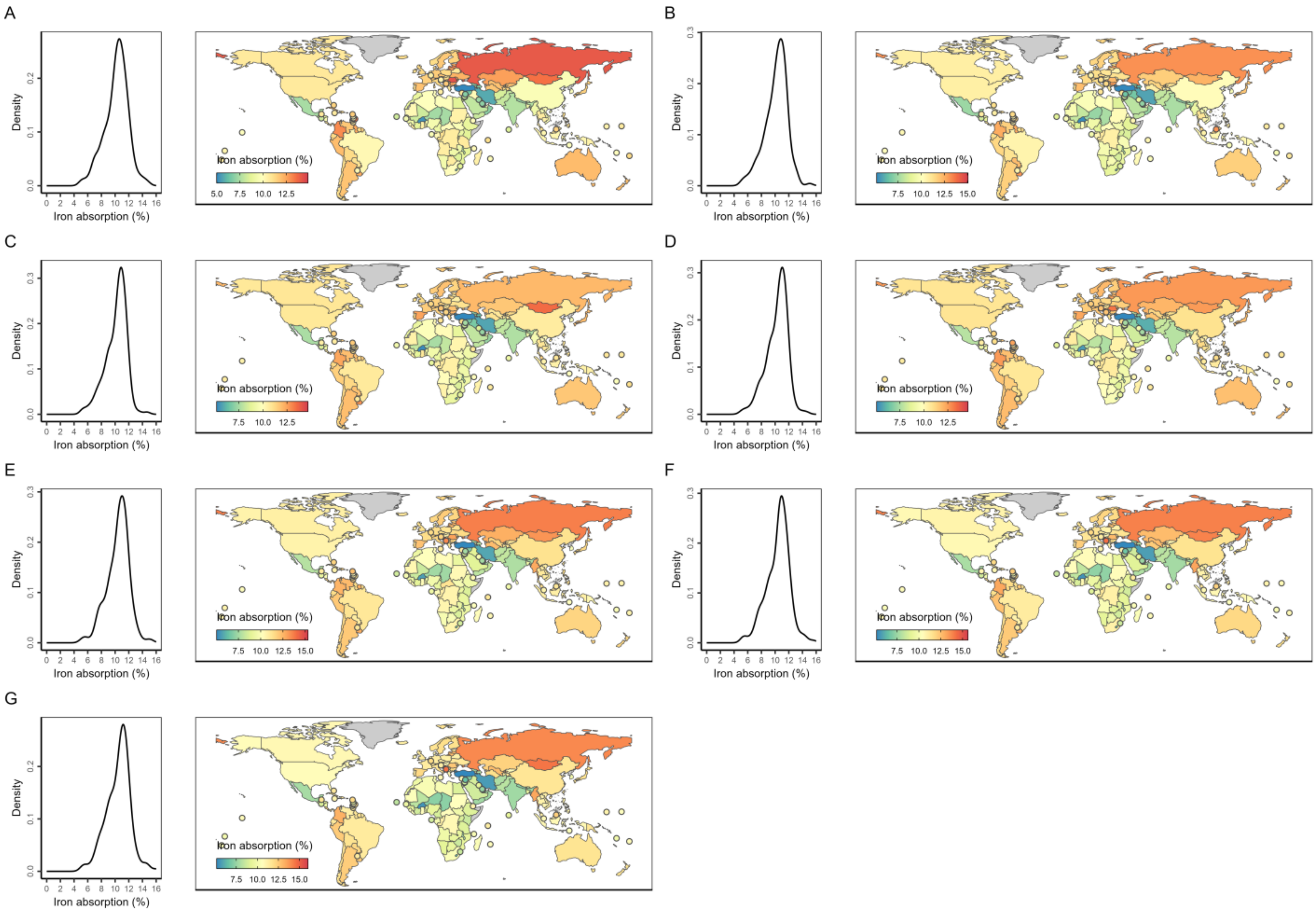


Figure S16 Estimated iron absorption levels from 1990 to 2018. Estimated iron absorption levels for each country from 1990 to 2018, presented by time period: (A) 1990, (B) 1995, (C) 2000, (D) 2005, (E) 2010, (F) 2015, and (G) 2018. Iron absorption levels were estimated based on country-specific phytate and ASF intakes. Countries with land areas less than 25,000 km^2 are shown as points to improve visibility. ASF, animal-source food.

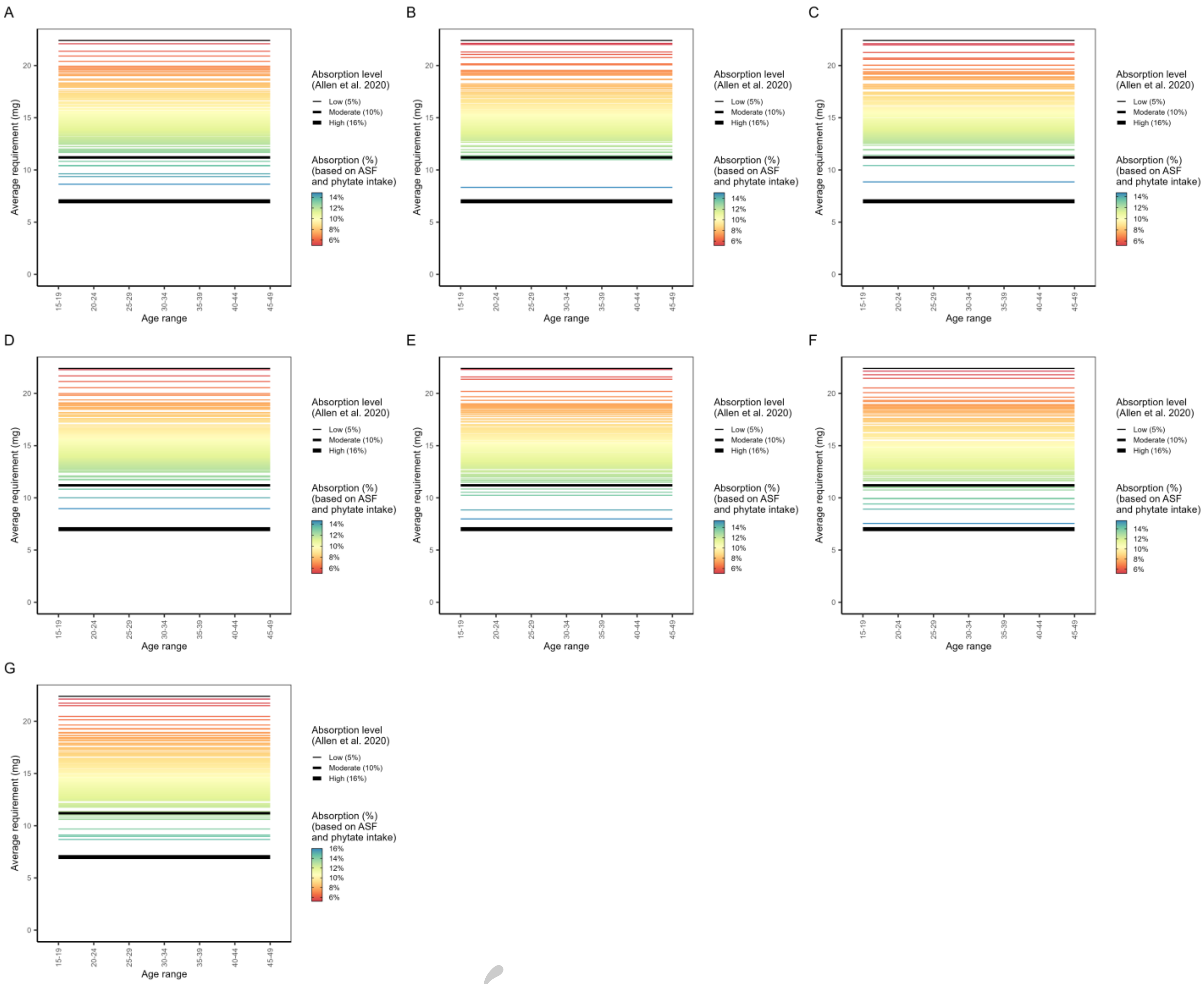


Figure S17 Age-specific iron requirements. Age-specific average requirements for iron among WRA based on country-specific absorption levels from 1990 to 2018, presented by time period: (A) 1990, (B) 1995, (C) 2000, (D) 2005, (E) 2010, (F) 2015, and (G) 2018. Countries were assigned absorption levels based on their phytate and ASF intakes. The colored areas represent the requirements estimated for each country based on their absorption levels. WRA, women of reproductive age; ASF, animal-source food.

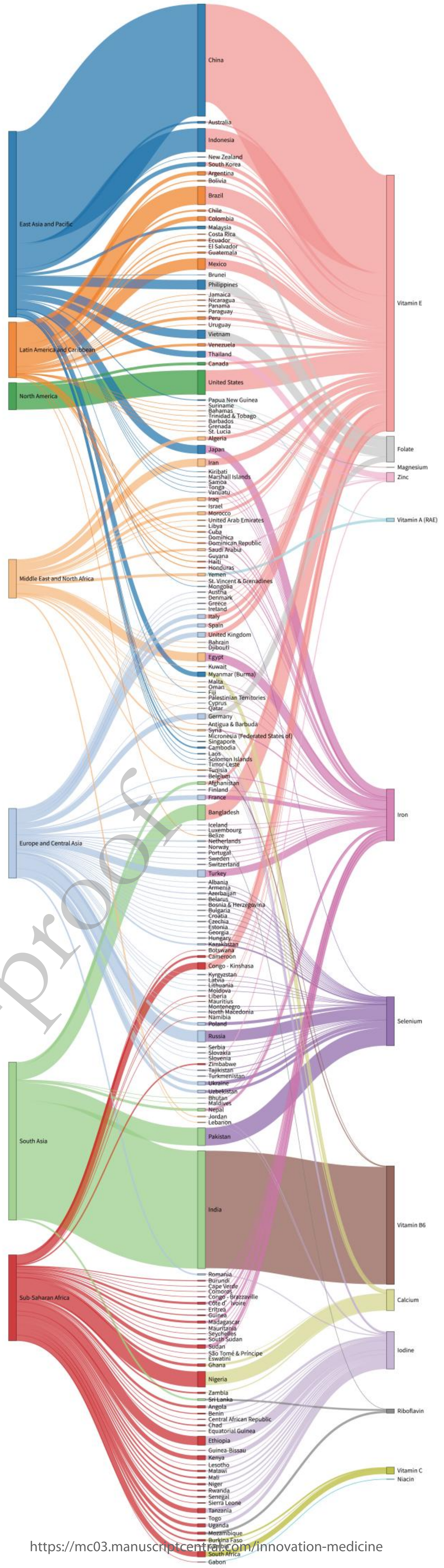

East Asia and Pacific
Latin America and Caribbean
North America
Middle East and North Africa
Europe and Central Asia
South Asia
Sub-Saharan Africa
China
Australia
Indonesia
New Zealand
South Korea
Argentina
Bolivia
Brazil
Chile
Colombia
Malaysia
Costa Rica
Ecuador
El Salvador
Guatemala
Mexico
Brunei
Philippines
Jamaica
Nicaragua
Panama
Paraguay
Peru
Uruguay
Vietnam
Venezuela
Thailand
Canada
United States
Papua New Guinea
Suriname
Bahamas
Trinidad & Tobago
Barbados
Grenada
St. Lucia
Algeria
Japan
Iran
Kiribati
Marshall Islands
Samoa
Tonga
Vanuatu
Iraq
Israel
Morocco
United Arab Emirates
Libya
Cuba
Dominica
Dominican Republic
Saudi Arabia
Guyana
Haiti
Honduras
Yemen
St. Vincent & Grenadines
Mongolia
Austria
Denmark
Greece
Ireland
Italy
Spain
United Kingdom
Bahrain
Djibouti
Egypt
Kuwait
Myanmar (Burma)
Malta
Oman
Fiji
Palestinian Territories
Cyprus
Qatar
Germany
Antigua & Barbuda
Syria
Micronesia (Federated States of)
Singapore
Cambodia
Laos
Solomon Islands
Timor-Leste
Tunisia
Belgium
Afghanistan
Finland
France
Bangladesh
Iceland
Luxembourg
Belize
Netherlands
Norway
Portugal
Sweden
Switzerland
Turkey
Albania
Armenia
Azerbaijan
Belarus
Bosnia & Herzegovina
Bulgaria
Croatia
Czechia
Estonia
Georgia
Hungary
Kazakhstan
Botswana
Cameroon
Congo - Kinshasa
Kyrgyzstan
Latvia
Lithuania
Moldova
Liberia
Mauritius
Montenegro
North Macedonia
Namibia
Poland
Russia
Serbia
Slovakia
Slovenia
Zimbabwe
Tajikistan
Turkmenistan
Ukraine
Uzbekistan
Bhutan
Maldives
Nepal
Jordan
Lebanon
Pakistan
India
Romania
Burundi
Cape Verde
Comoros
Congo - Brazzaville
Côte d' Ivoire
Eritrea
Guinea
Madagascar
Mauritania
Seychelles
South Sudan
Sudan
São Tomé & Príncipe
Eswatini
Ghana
Nigeria
Zambia
Sri Lanka
Angola
Benin
Central African Republic
Chad
Equatorial Guinea
Ethiopia
Guinea-Bissau
Kenya
Lesotho
Malawi
Mali
Niger
Rwanda
Senegal
Sierra Leone
Tanzania
Togo
Uganda
Mozambique
Burkina Faso
South Africa
Gabon
Vitamin E
Folate
Magnesium
Zinc
Vitamin A (RAE)
Iron
Selenium
Vitamin B6
Calcium
Iodine
Riboflavin
Vitamin C
Niacin

Figure S18 Global patterns of micronutrient inadequacies among WRA by region, country, and most deficient nutrient, 2018. This Sankey diagram illustrates the flow from geographic regions (left column) through countries (middle column) to their respective most deficient micronutrients (right column) among WRA in 2018. Link widths represent the total population of WRA (region to country flows) and the number of WRA with inadequate intake of the most deficient micronutrient (country to nutrient flows), both measured in millions. WRA, women of reproductive age.

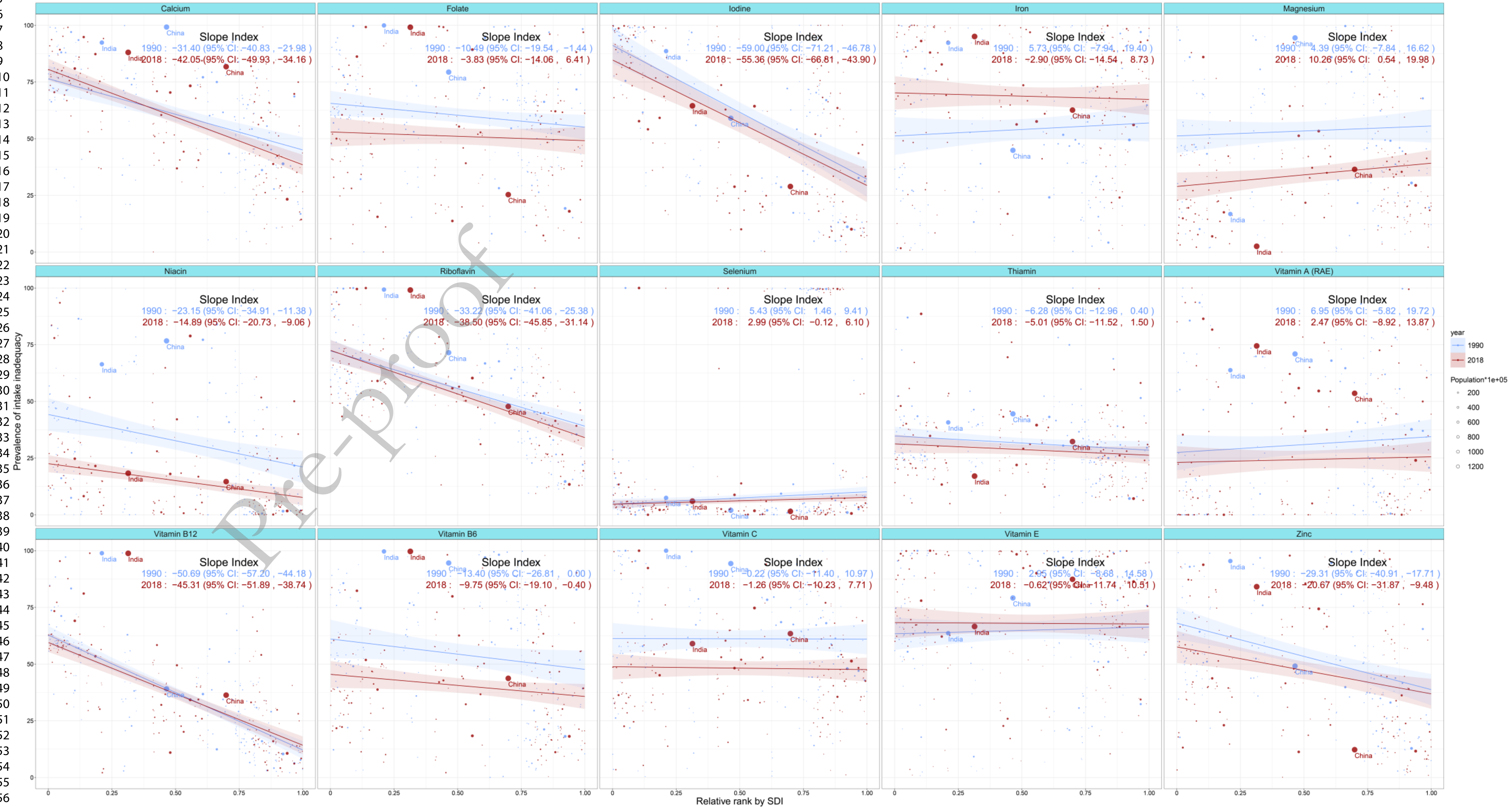


Figure S19 SDI-related health inequality regression curves for the prevalence of intake inadequacy among WRA, 1990 and 2018. SDI, sociodemographic index; WRA, women of reproductive age; RAE, retinol activity equivalents; CI, confidence interval.

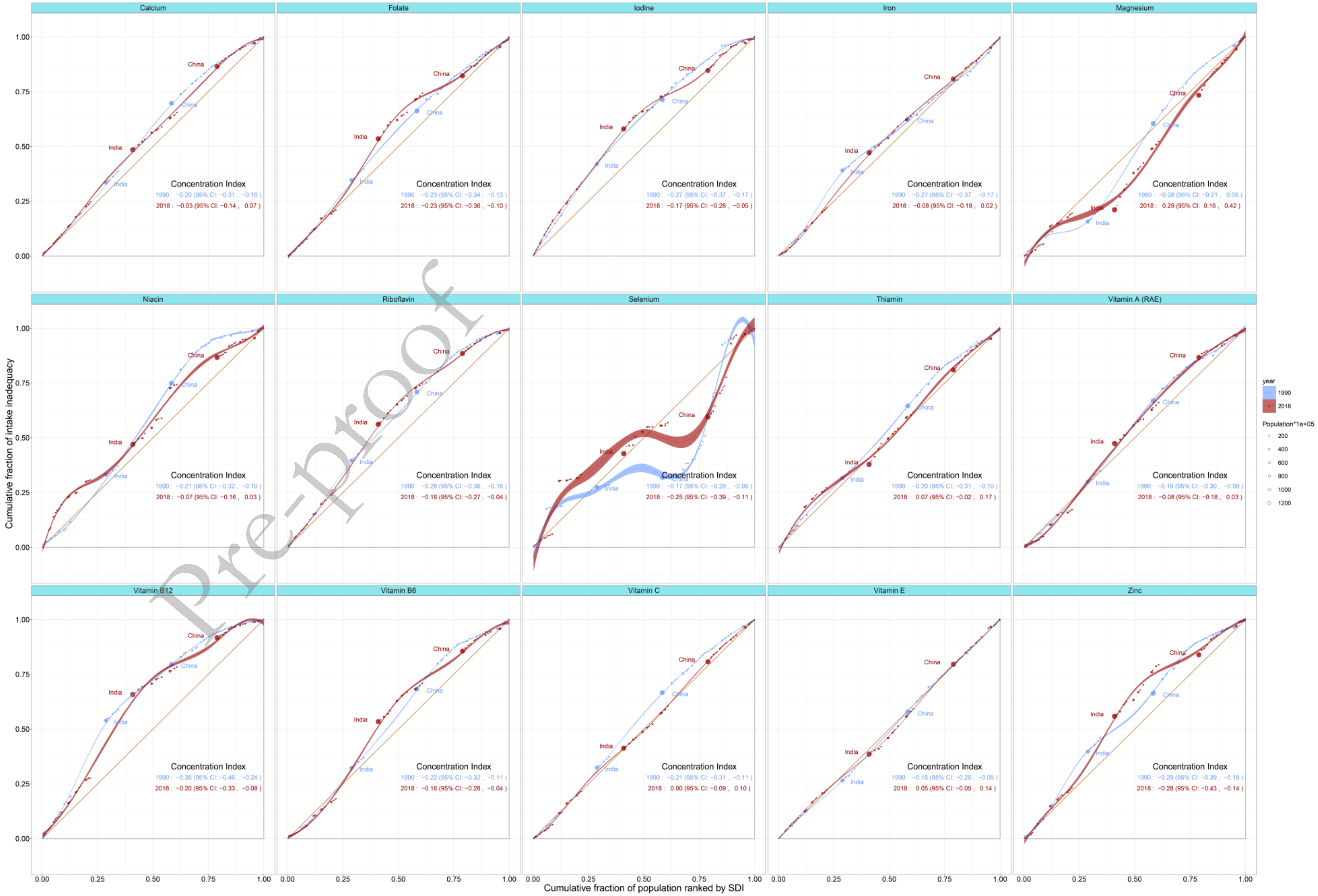


Figure S20 SDI-related health inequality concentration curves for the intake inadequacy among WRA, 1990 and 2018. SDI, sociodemographic index; WRA, women of reproductive age; RAE, retinol activity equivalents; CI, confidence interval.

SUPPLEMENTAL TABLE

Table S1 Dietary factors included in the GDD. Animal-source food used to derive average requirements for iron (see Figures S14 and S16).

Type	Factor	Units
Micronutrients	Folate	µg DFE
Micronutrients	Vitamin A (RAE)	µg RAE
Micronutrients	Vitamin B1	mg
Micronutrients	Vitamin B12	µg
Micronutrients	Vitamin B2	mg
Micronutrients	Vitamin B3	mg
Micronutrients	Vitamin B6	mg
Micronutrients	Vitamin C	mg
Micronutrients	Vitamin D	µg
Micronutrients	Vitamin E	mg
Micronutrients	Calcium	mg
Micronutrients	Iodine	µg
Micronutrients	Iron	mg
Micronutrients	Magnesium	mg
Micronutrients	Potassium	mg
Micronutrients	Selenium	µg
Micronutrients	Sodium	mg
Micronutrients	Zinc	mg
Macronutrients	Monounsaturated fatty acids	% of total kcal
Macronutrients	Plant omega-3 fatty acids	mg
Macronutrients	Saturated fat	% of total kcal
Macronutrients	Seafood omega-3 fatty acids	mg
Macronutrients	Total omega-6 fatty acids	% of total kcal
Macronutrients	Added sugars	% of total kcal
Macronutrients	Dietary cholesterol	mg
Macronutrients	Dietary fiber	g
Macronutrients	Total carbohydrates	% of total kcal
Macronutrients	Total protein	g
Beverages	Coffee	cups
Beverages	Fruit juices	g
Beverages	Sugar-sweetened beverages	g
Beverages	Tea	cups
Beverages	Total milk	g
Foods	Beans and legumes	g
Foods	Cheese	g
Foods	Eggs	g
Foods	Fruits	g
Foods	Non-starchy vegetables	g
Foods	Nuts and seeds	g

Foods	Other starchy vegetables	g
Foods	Potatoes	g
Foods	Refined grains	g
Foods	Total processed meats	g
Foods	Total seafoods	g
Foods	Unprocessed red meats	g
Foods	Whole grains	g
Foods	Yoghurt (including fermented milk)	g

Abbreviations: GDD, Global Dietary Database; DFE, dietary folate equivalents; RAE, retinol activity equivalents.

Table S2 Prevalence of intake inadequacies by country among WRA in 2018.

	Prevalence of intake inadequacy, % (95% UI)													
	Calcium	**Folate**	**Iodine**	**Iron**	**Magnesium**	**Niacin**	**Riboflavin**	**Selenium**	**Thiamin**	**Vitamin A (RAE)**	**Vitamin B12**	**Vitamin B6**	**Vitamin C**	**Vitamin E**	**Zinc**
Afghanistan	79.2 (57.2, 90.6)	80.6 (4.2, 99.8)	93.7 (0.0, 100.0)	49.1 (7.8, 88.0)	31.2 (2.4, 78.8)	23.6 (1.0, 76.9)	92.7 (7.7, 100.0)	18.4 (0.0, 99.1)	39.4 (11.4, 70.0)	93.6 (24.6, 99.9)	77.2 (21.6, 97.2)	61.7 (18.9, 93.1)	90.0 (39.4, 99.7)	97.7 (43.6, 100.0)	58.5 (10.2, 93.1)
Albaania	28.9 (9.0, 56.6)	45.0 (9.1, 83.1)	62.1 (0.1, 100.0)	82.5 (27.1, 99.0)	20.3 (2.5, 57.0)	0.0 (0.0, 2.4)	26.7 (4.2, 65.0)	99.6 (0.2, 100.0)	24.3 (3.3, 63.0)	0.6 (0.0, 7.3)	16.2 (2.1, 50.6)	5.2 (0.7, 22.9)	19.1 (5.7, 44.0)	26.6 (2.9, 82.0)	32.3 (3.9, 74.6)
Algeria	48.8 (29.7, 65.7)	45.9 (22.2, 70.7)	26.8 (0.0, 99.7)	66.7 (35.0, 89.2)	32.8 (9.1, 65.0)	18.4 (7.4, 36.6)	52.2 (31.2, 73.1)	0.1 (0.0, 30.6)	43.6 (22.5, 66.7)	65.0 (42.5, 80.7)	22.6 (4.8, 53.7)	43.6 (25.6, 63.6)	50.2 (38.5, 62.0)	98.3 (67.4, 100.0)	74.6 (44.4, 93.1)
Angola	86.0 (51.9, 97.6)	34.3 (5.3, 77.1)	99.2 (0.1, 100.0)	27.5 (0.9, 83.8)	14.5 (1.3, 49.2)	21.0 (2.1, 65.1)	53.6 (10.0, 90.0)	3.7 (0.0, 94.9)	20.9 (3.1, 58.2)	0.1 (0.0, 20.5)	54.0 (27.7, 77.9)	11.3 (0.6, 49.6)	5.3 (1.4, 16.4)	88.0 (30.9, 99.6)	39.7 (4.5, 86.3)
Antigua & Barbuda	38.5 (14.6, 66.3)	66.2 (14.0, 96.9)	37.7 (0.0, 99.9)	62.0 (11.0, 96.5)	72.7 (28.0, 95.2)	18.0 (1.2, 59.9)	65.3 (24.7, 92.9)	0.9 (0.0, 77.8)	34.5 (6.3, 73.9)	17.8 (0.8, 66.7)	30.7 (5.3, 68.1)	72.8 (29.8, 95.9)	70.8 (38.8, 91.7)	33.2 (3.5, 85.1)	8.9 (0.3, 49.1)
Argentina	66.3 (59.7, 72.2)	11.8 (6.8, 18.7)	18.0 (0.0, 99.7)	45.7 (37.7, 54.2)	77.1 (69.7, 83.2)	6.5 (3.9, 10.4)	53.6 (41.8, 64.9)	3.3 (0.0, 87.4)	28.0 (19.2, 38.0)	30.8 (25.3, 36.8)	14.4 (10.7, 19.0)	73.9 (64.8, 81.6)	84.3 (78.3, 89.6)	87.8 (82.0, 92.2)	21.6 (16.6, 27.5)
Armenia	27.7 (6.7, 58.8)	34.9 (3.7, 79.7)	80.9 (0.0, 100.0)	68.3 (9.9, 97.7)	10.8 (0.5, 47.4)	1.4 (0.0, 26.2)	28.9 (3.3, 72.4)	99.9 (0.1, 100.0)	7.9 (0.3, 40.8)	3.0 (0.0, 35.7)	17.4 (1.7, 57.0)	15.5 (2.0, 53.3)	22.4 (5.6, 53.1)	18.4 (1.3, 80.5)	12.9 (0.4, 57.2)
Australia	51.2 (43.5, 58.7)	66.7 (6.8, 97.8)	22.2 (0.0, 99.4)	59.7 (4.1, 98.0)	20.1 (1.4, 66.1)	3.9 (0.0, 36.1)	16.9 (1.3, 59.9)	19.6 (0.0, 94.0)	25.5 (1.5, 73.4)	25.2 (0.5, 79.5)	11.0 (0.7, 47.1)	22.2 (2.0, 68.1)	53.0 (18.2, 85.1)	86.5 (22.0, 99.6)	3.7 (0.0, 38.8)
Austria	37.3 (30.5, 44.4)	53.8 (9.8, 91.7)	3.3 (0.0, 96.2)	44.2 (5.5, 88.4)	22.5 (4.2, 58.1)	4.2 (0.2, 27.2)	21.1 (4.3, 55.0)	2.6 (0.0, 93.7)	14.3 (1.7, 45.8)	15.9 (0.9, 59.7)	10.5 (1.4, 37.9)	17.6 (3.4, 49.4)	40.3 (18.1, 66.9)	86.1 (39.2, 99.1)	15.6 (1.3, 60.1)
Azerbaijan	43.3 (24.6, 63.0)	35.0 (6.0, 78.0)	78.9 (0.1, 100.0)	71.1 (22.1, 97.9)	9.8 (0.9, 39.9)	5.6 (0.2, 37.8)	31.3 (6.0, 70.6)	99.8 (0.1, 100.0)	7.7 (1.1, 27.3)	47.9 (2.0, 97.9)	11.3 (0.5, 52.1)	14.3 (1.4, 53.7)	24.1 (5.0, 60.1)	90.8 (23.7, 100.0)	5.9 (0.2, 39.5)
Bahamas	76.4 (52.7, 90.1)	48.4 (9.9, 86.6)	23.8 (0.0, 99.9)	72.6 (23.5, 96.3)	87.6 (50.6, 98.3)	29.1 (4.5, 72.3)	66.2 (35.7, 86.8)	2.0 (0.0, 77.6)	41.8 (14.8, 71.2)	18.0 (1.9, 52.7)	29.6 (8.2, 61.0)	71.1 (29.2, 94.9)	75.6 (46.3, 92.8)	61.6 (8.2, 96.7)	85.1 (39.9, 98.6)
Bahrain	47.2 (34.0, 60.4)	20.2 (1.7, 62.3)	27.9 (0.0, 99.7)	92.1 (43.3, 99.8)	10.8 (0.9, 41.8)	0.8 (0.0, 16.6)	25.4 (3.5, 67.6)	0.1 (0.0, 38.0)	12.6 (1.0, 48.5)	2.9 (0.0, 32.4)	14.9 (1.8, 47.0)	30.6 (7.2, 68.9)	17.8 (4.9, 43.0)	40.5 (5.2, 88.9)	58.9 (13.8, 91.6)
Bangladesh	94.8 (93.4, 95.9)	99.2 (98.7, 99.6)	54.1 (0.0, 100.0)	88.0 (84.9, 90.6)	6.9 (5.1, 9.5)	8.2 (6.5, 10.4)	100.0 (100.0, 100.0)	0.0 (0.0, 0.0)	34.8 (26.1, 45.1)	81.7 (74.9, 87.0)	81.1 (75.3, 85.5)	51.8 (38.1, 66.4)	92.4 (88.9, 95.0)	100.0 (100.0, 100.0)	43.7 (37.0, 50.2)
Barbados	69.1 (54.3, 81.1)	37.4 (5.5, 82.2)	18.9 (0.0, 99.7)	63.7 (6.5, 97.7)	43.0 (9.3, 79.4)	13.3 (1.0, 51.6)	73.4 (26.6, 95.9)	1.5 (0.0, 73.4)	31.7 (5.4, 72.7)	0.3 (0.0, 29.4)	43.9 (21.9, 67.4)	71.9 (21.7, 96.6)	61.8 (29.6, 86.7)	57.2 (6.9, 95.7)	86.3 (29.8, 99.6)
Belarus	42.6 (22.8, 63.8)	60.1 (44.4, 74.5)	63.0 (0.0, 100.0)	37.7 (7.7, 78.8)	28.4 (8.2, 57.7)	7.0 (0.8, 26.5)	42.3 (19.1, 67.3)	98.0 (2.5, 100.0)	23.3 (6.7, 50.5)	30.5 (9.9, 63.2)	37.6 (20.3, 58.9)	36.7 (18.4, 56.6)	45.0 (29.7, 61.6)	76.3 (34.8, 96.4)	20.1 (4.0, 51.7)
Belgium	27.1 (19.7, 36.0)	36.8 (2.7, 89.8)	15.5 (0.0, 99.6)	97.7 (79.0, 99.9)	16.6 (6.6, 34.2)	34.4 (14.3, 60.0)	11.6 (2.1, 36.3)	19.1 (0.1, 96.5)	8.3 (1.0, 31.0)	2.1 (0.3, 8.3)	7.8 (0.3, 44.6)	32.2 (16.3, 52.8)	43.3 (22.2, 67.9)	75.9 (47.7, 93.2)	2.7 (0.6, 9.5)
Belize	56.8 (25.5, 82.9)	40.8 (19.4, 67.1)	46.0 (0.0, 99.9)	57.9 (27.1, 85.3)	59.1 (15.8, 91.1)	37.9 (16.5, 64.1)	65.4 (42.1, 84.5)	9.1 (0.2, 74.7)	38.1 (17.6, 62.0)	59.2 (34.9, 77.2)	29.4 (4.2, 68.6)	62.8 (39.6, 82.1)	61.8 (48.2, 74.0)	46.1 (4.8, 92.5)	49.2 (21.5, 77.6)
Benin	80.5 (40.6, 96.9)	24.8 (2.4, 72.5)	90.6 (0.0, 100.0)	88.3 (19.9, 99.9)	14.2 (0.9, 54.5)	21.3 (1.7, 68.3)	67.8 (16.1, 95.8)	4.6 (0.0, 97.7)	8.5 (0.6, 39.5)	0.0 (0.0, 0.5)	58.2 (29.1, 81.4)	22.6 (1.4, 71.9)	41.8 (14.1, 75.8)	87.3 (10.1, 99.9)	34.5 (2.5, 86.1)

Bhutan	77.6 (44.7, 94.2)	82.5 (33.7, 98.2)	60.9 (0.0, 100.0)	96.9 (54.6, 100.0)	18.4 (1.7, 56.1)	6.9 (0.1, 54.4)	92.7 (53.2, 99.6)	4.9 (0.0, 92.9)	32.1 (4.5, 73.5)	59.7 (34.3, 78.1)	70.8 (19.1, 96.1)	42.3 (9.4, 83.3)	83.8 (45.6, 98.0)	71.3 (12.4, 98.4)	68.7 (18.1, 95.0)
Bolivia	75.2 (68.0, 81.1)	33.8 (7.8, 74.9)	22.5 (0.0, 99.9)	26.6 (12.7, 45.1)	62.3 (30.0, 85.7)	49.4 (36.9, 62.4)	52.8 (39.8, 65.6)	3.0 (0.0, 82.2)	80.3 (64.8, 90.4)	37.8 (27.4, 50.1)	35.6 (15.5, 61.4)	57.7 (34.3, 78.6)	72.2 (65.2, 78.2)	99.6 (86.0, 100.0)	39.8 (11.5, 75.7)
Bosnia & Herzegovina	42.4 (17.1, 69.8)	29.2 (4.0, 70.1)	85.9 (0.2, 100.0)	96.8 (64.7, 99.9)	35.2 (6.9, 73.1)	1.0 (0.0, 16.5)	44.3 (10.7, 81.0)	99.4 (0.2, 100.0)	27.3 (4.0, 66.3)	49.0 (27.2, 69.6)	18.3 (2.6, 52.5)	21.3 (4.3, 56.2)	43.1 (17.6, 73.4)	83.5 (27.6, 99.6)	60.1 (14.4, 92.0)
Botswana	66.7 (37.8, 86.7)	67.5 (42.6, 87.2)	63.8 (0.1, 100.0)	47.1 (23.6, 73.4)	16.1 (2.0, 50.0)	23.3 (10.6, 42.2)	60.5 (39.1, 79.1)	7.1 (0.0, 97.9)	40.0 (21.7, 60.9)	52.4 (30.6, 71.4)	41.1 (8.9, 77.3)	39.4 (23.1, 58.2)	55.8 (44.6, 66.5)	79.2 (22.9, 98.7)	59.0 (33.6, 81.7)
Brazil	70.4 (66.8, 73.5)	13.7 (9.7, 18.9)	28.8 (0.0, 99.9)	56.3 (47.9, 64.0)	51.3 (45.5, 56.8)	18.0 (11.4, 26.2)	55.8 (43.0, 68.0)	8.8 (6.6, 11.6)	22.0 (10.6, 37.6)	55.9 (44.8, 66.1)	11.0 (7.0, 16.6)	79.9 (71.3, 86.8)	48.2 (40.3, 55.9)	98.4 (94.8, 99.6)	11.3 (8.6, 14.4)
Brunei	84.7 (78.5, 89.3)	95.7 (17.6, 100.0)	31.8 (0.0, 99.9)	74.2 (27.9, 96.1)	87.7 (58.4, 97.5)	30.8 (6.1, 69.6)	59.0 (31.6, 81.1)	1.2 (0.0, 78.0)	45.8 (18.8, 72.8)	51.6 (13.7, 83.9)	30.4 (8.6, 64.4)	87.4 (13.8, 99.9)	87.3 (62.9, 97.3)	19.9 (1.2, 81.0)	86.6 (47.0, 98.5)
Bulgaria	84.6 (78.4, 89.6)	50.8 (16.1, 83.7)	100.0 (99.7, 100.0)	90.7 (67.8, 98.5)	63.8 (35.1, 84.8)	0.0 (0.0, 0.0)	82.2 (58.2, 95.1)	100.0 (100.0, 100.0)	39.0 (13.0, 69.0)	16.4 (5.5, 35.4)	33.9 (16.8, 55.8)	7.6 (2.6, 18.4)	37.8 (19.9, 60.2)	39.4 (16.8, 67.5)	26.6 (10.7, 47.9)
Burkina Faso	91.0 (72.4, 98.1)	41.0 (0.1, 99.4)	68.1 (0.0, 100.0)	67.5 (10.9, 97.5)	8.2 (0.5, 36.6)	35.3 (21.9, 50.3)	92.9 (61.1, 99.5)	5.9 (0.0, 97.9)	46.2 (5.8, 89.1)	22.3 (6.7, 48.5)	84.4 (77.7, 89.2)	83.7 (57.9, 95.8)	99.6 (95.7, 100.0)	87.3 (16.5, 99.8)	17.9 (3.6, 48.9)
Burundi	77.3 (47.3, 92.5)	40.7 (2.6, 88.7)	91.6 (0.0, 100.0)	96.8 (35.7, 100.0)	19.0 (0.7, 67.7)	35.7 (1.6, 85.4)	66.0 (22.3, 91.9)	9.4 (0.0, 98.7)	25.3 (1.9, 75.9)	10.5 (1.1, 36.6)	63.0 (28.3, 87.4)	39.1 (6.0, 84.1)	30.6 (6.4, 68.8)	81.8 (3.6, 100.0)	59.9 (5.9, 96.4)
Cambodia	73.9 (54.2, 85.9)	61.8 (2.5, 98.8)	98.5 (0.1, 100.0)	52.7 (12.0, 86.9)	48.1 (10.0, 83.3)	18.1 (1.1, 63.2)	43.8 (0.7, 97.3)	2.5 (0.0, 91.5)	39.3 (13.6, 67.1)	0.3 (0.0, 11.7)	63.2 (36.6, 81.1)	46.7 (0.4, 98.8)	58.4 (17.1, 91.3)	56.8 (1.1, 98.7)	40.1 (5.4, 81.2)
Cameroon	70.5 (48.8, 85.6)	18.3 (1.5, 58.0)	93.3 (0.2, 100.0)	99.3 (98.2, 99.7)	6.4 (0.4, 31.7)	9.9 (0.5, 43.0)	68.3 (35.7, 89.1)	3.2 (0.0, 96.5)	15.7 (2.5, 48.2)	5.4 (1.3, 20.0)	56.0 (29.6, 78.7)	20.9 (4.5, 52.5)	33.1 (26.3, 41.1)	100.0 (100.0, 100.0)	82.8 (74.9, 88.7)
Canada	35.2 (32.2, 38.2)	6.2 (4.9, 7.7)	7.3 (0.0, 98.1)	66.4 (61.1, 71.3)	19.5 (16.6, 22.7)	0.0 (0.0, 0.1)	12.9 (10.7, 15.4)	3.9 (0.0, 94.1)	6.4 (5.1, 8.0)	23.6 (17.6, 30.8)	13.9 (11.8, 16.3)	21.3 (17.9, 25.0)	35.6 (32.3, 39.0)	85.6 (43.9, 98.2)	11.5 (9.6, 13.8)
Cape Verde	57.4 (18.1, 88.4)	54.3 (11.0, 92.0)	47.9 (0.0, 100.0)	93.0 (27.7, 99.9)	18.6 (1.4, 59.6)	11.4 (0.7, 50.7)	55.7 (8.9, 91.8)	6.5 (0.0, 97.3)	20.8 (2.5, 61.9)	0.0 (0.0, 22.2)	53.2 (25.4, 78.1)	17.3 (0.9, 63.4)	16.7 (4.4, 41.0)	57.7 (2.4, 98.9)	56.3 (7.1, 95.5)
Central African Republic	78.4 (39.5, 95.8)	64.0 (16.0, 95.2)	96.9 (0.0, 100.0)	12.6 (0.2, 72.6)	15.3 (1.0, 53.2)	8.6 (0.5, 43.0)	68.9 (17.9, 95.5)	4.3 (0.0, 98.6)	22.3 (2.9, 62.9)	0.0 (0.0, 7.3)	56.0 (28.6, 79.6)	22.7 (1.6, 71.0)	33.2 (10.5, 65.2)	71.2 (4.6, 99.5)	58.2 (9.2, 95.1)
Chad	71.5 (32.6, 92.9)	48.0 (4.8, 91.0)	99.6 (0.0, 100.0)	52.7 (2.9, 95.2)	22.9 (1.6, 67.1)	27.0 (1.7, 74.4)	53.1 (13.9, 87.9)	8.7 (0.0, 98.2)	24.4 (3.4, 65.5)	0.0 (0.0, 0.9)	56.8 (13.5, 89.2)	38.1 (8.0, 75.6)	34.9 (9.9, 68.7)	72.9 (3.6, 99.7)	62.4 (11.2, 94.3)
Chile	57.8 (49.6, 65.6)	5.0 (2.4, 9.4)	24.5 (0.0, 99.8)	68.0 (57.3, 77.6)	97.6 (96.1, 98.6)	37.8 (30.9, 45.5)	41.7 (32.0, 51.6)	0.7 (0.3, 1.6)	17.2 (11.5, 24.5)	74.3 (63.4, 82.9)	74.0 (64.9, 81.4)	75.8 (66.5, 84.2)	84.1 (79.6, 88.0)	100.0 (99.7, 100.0)	60.9 (49.6, 70.7)
China	81.7 (78.3, 84.7)	25.3 (3.8, 70.0)	28.9 (0.0, 100.0)	62.6 (22.7, 90.5)	36.5 (9.3, 70.3)	14.6 (3.5, 37.6)	47.8 (25.2, 71.6)	1.5 (0.0, 82.8)	32.3 (12.0, 57.8)	53.6 (19.8, 84.9)	36.3 (14.9, 63.8)	43.7 (19.9, 70.7)	63.4 (47.0, 76.3)	87.4 (18.6, 99.8)	12.3 (2.1, 38.1)
Colombia	77.4 (71.9, 82.2)	97.7 (82.6, 99.9)	17.2 (0.0, 99.6)	69.6 (60.0, 77.9)	92.4 (81.4, 97.1)	64.8 (51.6, 76.4)	75.6 (64.6, 84.5)	2.4 (0.0, 84.1)	76.1 (65.4, 84.4)	43.3 (30.9, 56.5)	36.7 (27.8, 46.5)	98.2 (65.1, 100.0)	64.9 (54.3, 74.9)	99.7 (86.2, 100.0)	47.9 (37.1, 58.9)
Comoros	76.8 (52.9, 90.5)	40.7 (4.9, 83.7)	78.9 (0.0, 100.0)	93.4 (38.6, 99.9)	19.3 (1.4, 59.6)	32.4 (3.0, 77.4)	65.0 (28.5, 88.4)	5.7 (0.0, 96.7)	23.8 (3.3, 64.3)	10.4 (1.8, 32.3)	59.1 (30.7, 82.1)	38.1 (8.7, 76.9)	31.5 (9.5, 63.3)	60.2 (2.3, 99.0)	52.4 (8.6, 90.7)

Congo - Brazzaville	73.9 (52.4, 88.0)	68.0 (21.7, 94.2)	99.5 (0.0, 100.0)	99.8 (84.7, 100.0)	23.0 (2.9, 60.5)	0.8 (0.0, 9.8)	75.6 (43.4, 92.8)	2.5 (0.0, 98.0)	44.2 (11.5, 82.1)	6.7 (1.6, 23.5)	50.7 (25.6, 75.5)	20.2 (4.2, 52.7)	43.4 (17.9, 73.2)	85.9 (12.8, 99.9)	83.2 (35.3, 98.6)
Congo - Kinshasa	89.3 (82.4, 94.0)	60.5 (46.2, 73.8)	99.8 (0.0, 100.0)	86.1 (78.0, 92.0)	19.5 (11.8, 29.2)	93.5 (89.0, 96.5)	43.4 (23.5, 64.7)	3.3 (0.0, 98.8)	40.2 (27.6, 53.3)	0.0 (0.0, 0.0)	95.4 (90.5, 97.9)	22.3 (10.4, 38.3)	22.6 (15.5, 31.1)	99.9 (99.4, 100.0)	87.2 (82.7, 90.8)
Costa Rica	43.1 (23.5, 63.5)	20.3 (1.6, 63.4)	18.4 (0.0, 99.8)	98.9 (71.0, 100.0)	46.9 (12.4, 80.5)	11.2 (0.6, 46.6)	58.2 (26.8, 82.9)	1.4 (0.0, 73.9)	22.7 (3.9, 60.1)	10.8 (2.3, 29.8)	40.4 (19.5, 63.9)	60.4 (22.3, 89.4)	76.9 (43.2, 94.9)	99.9 (82.4, 100.0)	30.0 (2.9, 75.6)
Côte d'Ivoire	83.8 (46.7, 97.3)	35.1 (2.6, 87.7)	81.3 (0.0, 100.0)	100.0 (100.0, 100.0)	13.3 (0.8, 50.5)	14.2 (0.8, 59.6)	63.3 (8.5, 97.3)	2.9 (0.0, 98.5)	5.2 (0.1, 38.6)	0.0 (0.0, 0.0)	46.6 (4.2, 89.2)	36.2 (5.5, 79.1)	45.1 (10.9, 80.1)	96.6 (31.0, 100.0)	54.7 (9.5, 91.1)
Croatia	34.6 (11.7, 64.0)	78.4 (21.8, 99.2)	70.2 (0.0, 100.0)	1.5 (0.0, 25.8)	43.8 (13.7, 77.0)	7.9 (1.2, 26.6)	38.4 (7.9, 78.6)	97.1 (0.8, 100.0)	35.3 (12.9, 63.1)	0.3 (0.0, 9.5)	11.8 (0.7, 49.4)	18.1 (2.8, 50.5)	29.6 (9.4, 60.7)	67.1 (12.0, 98.5)	52.3 (8.7, 92.8)
Cuba	37.3 (19.4, 57.6)	4.1 (0.1, 31.0)	17.6 (0.0, 99.3)	99.1 (75.0, 100.0)	45.6 (15.9, 76.5)	25.8 (2.7, 67.7)	55.0 (24.3, 80.9)	6.4 (0.1, 77.2)	13.5 (1.8, 44.4)	20.8 (5.4, 45.3)	40.0 (19.3, 63.4)	58.6 (21.8, 88.3)	52.2 (22.5, 81.1)	94.7 (45.4, 99.9)	34.7 (4.0, 79.2)
Cyprus	41.5 (18.6, 66.8)	81.0 (28.1, 98.6)	9.8 (0.0, 99.2)	38.6 (4.2, 88.2)	37.5 (9.0, 76.0)	3.8 (0.1, 26.5)	32.7 (7.8, 70.6)	3.3 (0.0, 93.1)	30.4 (5.7, 68.1)	30.3 (2.2, 78.6)	10.8 (1.3, 38.0)	27.4 (6.1, 64.1)	62.8 (33.0, 86.3)	56.9 (12.0, 92.9)	56.9 (11.4, 94.3)
Czechia	60.6 (29.1, 84.6)	65.7 (19.4, 93.8)	70.0 (0.1, 100.0)	26.6 (1.2, 78.3)	59.5 (18.1, 90.3)	4.8 (0.1, 42.9)	40.1 (7.5, 79.8)	99.5 (0.1, 100.0)	23.1 (2.6, 63.7)	2.4 (0.0, 32.0)	15.6 (1.8, 50.6)	29.7 (6.3, 69.5)	47.5 (18.1, 78.3)	72.6 (15.9, 98.9)	44.6 (6.5, 85.4)
Denmark	14.1 (9.0, 21.0)	40.0 (3.6, 88.9)	8.7 (0.0, 98.9)	76.6 (9.2, 99.6)	12.1 (1.1, 47.8)	1.7 (0.0, 29.8)	13.1 (1.4, 49.7)	7.5 (0.0, 98.6)	14.7 (1.0, 56.9)	28.6 (1.4, 77.6)	6.5 (0.3, 38.1)	20.5 (2.1, 65.4)	35.8 (9.0, 73.3)	83.0 (24.5, 99.5)	1.0 (0.0, 18.3)
Djibouti	85.0 (62.9, 95.0)	65.7 (14.9, 95.1)	77.0 (0.0, 100.0)	99.3 (61.0, 100.0)	33.3 (4.0, 75.7)	6.7 (0.1, 40.4)	71.6 (32.3, 92.7)	5.8 (0.0, 98.9)	27.7 (3.6, 70.4)	11.0 (1.6, 36.3)	53.2 (24.2, 78.5)	20.4 (3.0, 57.3)	29.4 (8.3, 60.2)	61.9 (2.1, 99.3)	47.0 (5.3, 89.7)
Dominica	29.1 (6.6, 61.8)	21.6 (2.6, 64.3)	51.8 (0.0, 100.0)	99.7 (85.7, 100.0)	44.4 (15.8, 75.3)	29.5 (4.0, 74.0)	57.4 (15.6, 89.8)	4.9 (0.0, 71.6)	17.4 (2.6, 52.4)	0.0 (0.0, 3.8)	40.9 (20.2, 63.9)	65.3 (18.3, 94.1)	40.1 (15.5, 69.8)	34.8 (2.2, 88.3)	82.1 (26.9, 99.2)
Dominican Republic	51.5 (30.1, 71.3)	17.1 (1.2, 60.3)	24.8 (0.0, 99.7)	100.0 (96.7, 100.0)	41.1 (12.7, 73.9)	5.8 (0.2, 33.3)	66.9 (35.5, 88.5)	5.9 (0.0, 74.2)	29.8 (5.5, 70.6)	5.9 (1.3, 20.5)	40.4 (19.4, 65.1)	47.3 (14.4, 81.8)	26.5 (8.7, 53.6)	99.9 (91.9, 100.0)	62.9 (13.7, 94.9)
Ecuador	51.6 (34.6, 66.8)	56.1 (6.1, 96.6)	23.7 (0.0, 99.9)	98.9 (96.2, 99.7)	64.4 (32.4, 86.9)	8.0 (0.7, 34.6)	49.9 (3.6, 95.8)	1.7 (0.0, 72.1)	43.2 (21.5, 65.8)	78.4 (50.1, 93.9)	28.7 (5.2, 63.1)	51.9 (30.0, 73.7)	47.4 (16.9, 79.6)	99.8 (91.5, 100.0)	75.2 (59.3, 87.0)
Egypt	44.3 (18.1, 71.1)	39.2 (7.6, 76.7)	33.6 (0.0, 99.9)	96.9 (65.7, 99.9)	37.2 (8.9, 73.5)	0.7 (0.0, 12.8)	50.3 (15.0, 84.6)	0.1 (0.0, 32.1)	31.2 (6.1, 69.1)	5.0 (0.1, 44.4)	20.1 (3.5, 51.2)	32.3 (9.2, 66.1)	34.2 (13.3, 62.0)	93.3 (49.3, 99.8)	86.2 (46.3, 98.5)
El Salvador	56.5 (25.0, 81.5)	37.3 (17.7, 62.4)	28.2 (0.0, 99.9)	79.3 (48.5, 95.7)	37.6 (7.0, 76.3)	38.8 (17.6, 63.5)	66.0 (43.3, 84.4)	1.5 (0.0, 72.9)	37.2 (17.5, 61.0)	54.1 (30.2, 72.7)	29.9 (4.3, 68.3)	69.7 (46.7, 86.6)	64.0 (50.4, 75.8)	98.4 (65.0, 100.0)	69.7 (38.0, 90.9)
Equatorial Guinea	67.2 (43.0, 84.4)	55.7 (11.9, 90.3)	96.1 (0.0, 100.0)	89.0 (33.1, 99.8)	20.6 (2.0, 59.9)	27.5 (2.5, 71.1)	62.4 (26.5, 86.5)	2.8 (0.0, 98.8)	24.9 (4.0, 64.4)	9.2 (1.7, 29.0)	51.3 (24.8, 76.6)	36.0 (8.9, 73.1)	30.5 (10.1, 59.9)	38.5 (1.1, 95.0)	49.0 (7.9, 88.8)
Eritrea	77.4 (55.8, 90.5)	42.1 (6.3, 83.3)	68.0 (0.0, 100.0)	98.0 (59.7, 100.0)	20.3 (2.0, 59.6)	32.0 (3.4, 75.9)	64.2 (29.4, 88.0)	3.1 (0.0, 98.3)	24.1 (3.7, 64.0)	6.9 (1.4, 25.1)	56.4 (29.1, 80.7)	38.4 (9.7, 75.7)	32.7 (10.7, 63.4)	79.3 (8.0, 99.8)	49.7 (8.0, 88.9)
Estonia	37.1 (31.3, 42.9)	58.6 (48.6, 68.3)	100.0 (100.0, 100.0)	71.7 (63.0, 79.2)	12.6 (9.0, 17.0)	9.9 (6.6, 14.4)	55.4 (46.6, 63.5)	100.0 (100.0, 100.0)	12.8 (8.5, 18.7)	0.7 (0.2, 1.9)	0.7 (0.3, 1.4)	20.7 (15.0, 27.7)	29.0 (22.3, 36.3)	75.0 (63.5, 83.7)	2.7 (1.7, 4.3)
Eswatini	92.2 (70.1, 98.6)	88.2 (30.9, 99.8)	77.5 (0.0, 100.0)	66.2 (6.4, 99.0)	28.6 (6.4, 63.9)	62.2 (13.5, 94.0)	75.4 (26.7, 97.1)	16.9 (0.0, 96.8)	23.8 (2.6, 64.4)	4.6 (0.0, 40.1)	49.7 (7.9, 87.2)	57.6 (19.6, 87.6)	45.4 (16.1, 77.6)	70.2 (8.9, 97.9)	82.8 (30.5, 99.1)
Ethiopia	70.5 (66.4, 74.2)	50.0 (22.5, 76.7)	98.7 (0.0, 100.0)	1.7 (1.7, 1.9)	14.9 (1.1, 48.9)	77.9 (71.4, 83.5)	98.2 (94.1, 99.6)	13.3 (0.0, 98.5)	48.0 (41.2, 55.1)	35.3 (18.0, 55.8)	73.4 (49.7, 86.6)	21.7 (0.1, 89.1)	36.3 (24.6, 50.3)	98.7 (53.9, 100.0)	13.2 (8.0, 20.1)

Fiji	79.9 (52.5, 94.1)	67.7 (23.1, 93.9)	48.3 (0.0, 100.0)	70.3 (28.1, 94.1)	51.4 (13.4, 86.1)	21.5 (4.0, 55.6)	65.9 (39.5, 85.0)	1.8 (0.0, 82.4)	32.9 (12.3, 58.7)	30.2 (5.8, 64.3)	31.3 (9.8, 63.1)	48.1 (12.1, 86.0)	57.3 (32.0, 79.2)	20.8 (1.3, 79.6)	65.5 (24.2, 92.0)
Finland	11.0 (8.1, 14.5)	66.6 (11.8, 98.8)	0.2 (0.0, 1.6)	92.9 (73.3, 99.0)	9.1 (3.2, 20.9)	0.0 (0.0, 0.1)	13.3 (4.2, 32.5)	3.7 (0.0, 96.1)	15.5 (4.1, 39.4)	22.2 (9.2, 40.6)	2.6 (1.1, 5.8)	9.3 (3.7, 20.1)	47.9 (26.4, 70.1)	86.5 (72.9, 94.8)	7.6 (2.5, 18.7)
France	42.3 (39.4, 45.4)	53.1 (13.7, 89.5)	7.0 (0.0, 97.7)	88.8 (86.0, 91.2)	43.3 (39.5, 47.2)	24.9 (21.7, 28.5)	36.4 (31.9, 40.9)	5.5 (0.0, 95.6)	38.6 (34.2, 43.2)	35.3 (8.1, 73.8)	29.8 (18.1, 43.5)	46.7 (42.3, 51.0)	54.2 (50.8, 57.6)	79.6 (74.2, 84.4)	23.8 (20.9, 27.0)
Gabon	30.9 (5.4, 68.1)	54.6 (11.1, 92.1)	80.3 (0.0, 100.0)	84.3 (15.8, 99.7)	32.7 (5.0, 75.3)	85.1 (30.5, 99.4)	50.2 (6.9, 89.3)	3.5 (0.0, 99.2)	18.7 (2.1, 59.8)	0.0 (0.0, 2.3)	48.2 (22.0, 74.9)	74.5 (21.3, 97.6)	59.2 (25.7, 87.2)	51.8 (3.3, 96.7)	25.8 (1.5, 78.9)
Gambia	98.7 (94.0, 99.7)	85.4 (32.7, 99.2)	88.8 (0.0, 100.0)	99.7 (72.5, 100.0)	5.5 (0.2, 35.4)	61.4 (11.2, 94.2)	73.5 (34.4, 93.6)	4.0 (0.0, 97.1)	37.5 (5.9, 81.9)	4.1 (0.8, 19.7)	58.5 (27.5, 83.7)	63.0 (20.4, 93.4)	100.0 (98.6, 100.0)	77.5 (6.1, 99.8)	39.8 (3.6, 85.5)
Georgia	60.9 (39.2, 78.5)	67.0 (51.4, 80.5)	84.3 (0.1, 100.0)	53.7 (16.7, 91.0)	22.8 (6.1, 50.6)	26.1 (6.3, 56.6)	52.5 (28.3, 75.5)	96.2 (2.4, 100.0)	15.8 (4.5, 37.4)	44.6 (16.7, 78.3)	40.5 (22.7, 61.6)	50.6 (30.3, 69.4)	82.0 (64.6, 93.2)	59.6 (21.3, 90.9)	23.5 (5.6, 56.3)
Germany	14.4 (12.3, 16.6)	96.9 (94.2, 98.4)	33.4 (18.7, 51.4)	93.4 (91.1, 95.1)	18.4 (14.0, 23.6)	1.9 (1.4, 2.5)	19.4 (16.0, 23.2)	5.1 (0.0, 92.6)	31.0 (26.6, 35.7)	11.0 (8.7, 13.9)	8.4 (6.5, 10.6)	39.3 (33.0, 46.1)	42.5 (38.1, 47.2)	75.5 (68.8, 81.4)	20.1 (16.6, 24.2)
Ghana	94.2 (88.0, 97.4)	11.1 (4.2, 23.8)	77.2 (0.0, 100.0)	59.2 (47.3, 70.4)	9.2 (3.9, 17.8)	4.1 (2.0, 7.4)	57.8 (40.1, 74.0)	2.5 (0.6, 8.6)	4.9 (2.4, 9.3)	0.0 (0.0, 0.6)	3.8 (2.0, 6.7)	10.1 (2.9, 23.8)	13.8 (8.7, 20.9)	62.7 (40.5, 81.4)	35.4 (25.7, 46.1)
Greece	32.7 (25.7, 40.4)	35.8 (6.2, 76.8)	11.4 (0.0, 98.8)	74.3 (25.5, 97.4)	21.6 (4.2, 55.3)	5.9 (0.3, 35.1)	12.4 (1.7, 41.7)	4.3 (0.0, 93.3)	21.6 (5.1, 50.8)	6.1 (0.1, 48.3)	5.6 (0.2, 34.9)	23.8 (3.9, 63.0)	43.9 (14.3, 79.6)	85.1 (27.0, 99.6)	11.0 (0.7, 48.9)
Grenada	45.8 (14.9, 78.3)	30.3 (4.9, 73.4)	17.2 (0.0, 99.6)	84.8 (24.9, 99.5)	25.0 (6.6, 55.7)	13.7 (1.4, 49.9)	79.9 (37.8, 97.0)	4.0 (0.0, 64.2)	41.2 (10.5, 79.3)	1.1 (0.0, 48.1)	44.1 (23.4, 66.5)	58.3 (14.5, 91.4)	83.7 (55.6, 96.8)	49.0 (4.2, 94.1)	97.3 (63.2, 100.0)
Guatemala	36.8 (28.4, 46.1)	0.0 (0.0, 0.1)	18.2 (0.0, 99.8)	48.4 (38.8, 57.7)	3.7 (2.3, 5.9)	1.5 (0.8, 2.7)	73.1 (59.5, 83.7)	5.6 (4.1, 7.5)	14.2 (8.8, 21.4)	1.2 (0.3, 4.2)	56.4 (47.6, 65.1)	30.5 (16.6, 48.7)	76.1 (66.9, 84.0)	99.5 (98.8, 99.8)	14.7 (10.4, 20.0)
Guinea	88.5 (54.7, 98.5)	63.2 (9.0, 97.9)	78.4 (0.0, 100.0)	100.0 (98.0, 100.0)	42.5 (7.0, 81.5)	13.0 (0.7, 59.2)	87.2 (27.5, 99.7)	3.5 (0.0, 98.8)	52.3 (7.3, 92.0)	0.0 (0.0, 0.1)	50.8 (5.0, 90.8)	38.8 (5.8, 81.3)	48.4 (12.0, 83.1)	95.8 (23.7, 100.0)	92.9 (50.5, 99.7)
Guinea-Bissau	86.8 (68.5, 95.5)	68.0 (18.5, 95.6)	95.6 (0.0, 100.0)	67.0 (11.7, 97.8)	27.5 (3.0, 68.7)	79.0 (28.4, 97.7)	65.2 (28.9, 88.4)	5.6 (0.0, 99.4)	31.0 (5.1, 73.3)	8.7 (1.6, 29.3)	57.3 (29.2, 81.5)	63.2 (23.1, 92.2)	63.8 (28.8, 89.9)	52.0 (1.8, 98.2)	64.7 (15.2, 95.3)
Guyana	52.3 (31.4, 71.9)	48.6 (9.8, 87.9)	83.0 (0.1, 100.0)	99.8 (87.2, 100.0)	81.9 (42.9, 97.0)	27.5 (3.2, 69.4)	70.9 (40.4, 89.8)	0.9 (0.0, 65.1)	25.1 (4.6, 63.3)	14.8 (3.5, 37.7)	45.9 (23.9, 69.2)	85.0 (49.4, 98.2)	69.7 (37.7, 91.2)	73.8 (14.9, 98.1)	66.3 (17.1, 95.5)
Haiti	60.0 (36.2, 79.9)	12.2 (0.5, 53.9)	97.3 (0.0, 100.0)	99.9 (84.0, 100.0)	38.4 (7.0, 78.6)	11.3 (0.4, 49.9)	83.7 (54.2, 96.2)	1.2 (0.0, 84.4)	32.1 (5.4, 74.6)	17.0 (3.3, 41.9)	45.9 (21.5, 71.3)	54.5 (17.2, 87.7)	59.3 (25.9, 86.3)	98.7 (46.9, 100.0)	91.1 (42.9, 99.7)
Honduras	53.0 (25.8, 77.7)	43.4 (10.0, 81.5)	36.1 (0.0, 100.0)	99.8 (92.0, 100.0)	36.1 (8.1, 72.5)	7.0 (0.2, 45.8)	70.8 (31.0, 93.8)	1.5 (0.0, 74.4)	24.8 (4.1, 62.9)	2.8 (0.0, 25.3)	29.5 (5.5, 66.1)	65.0 (27.4, 91.5)	49.3 (22.3, 76.2)	90.2 (39.0, 99.6)	74.7 (30.3, 95.8)
Hungary	83.0 (74.9, 89.2)	77.0 (26.0, 98.0)	61.1 (0.1, 100.0)	32.5 (1.3, 88.5)	71.1 (28.1, 94.2)	19.4 (1.7, 63.9)	45.0 (8.5, 83.7)	98.0 (0.1, 100.0)	28.1 (4.5, 68.9)	0.0 (0.0, 16.8)	33.8 (15.7, 57.3)	38.7 (5.4, 83.6)	62.4 (29.4, 88.6)	71.0 (16.1, 98.7)	59.3 (7.9, 96.3)
Iceland	11.4 (8.6, 14.8)	78.2 (17.0, 99.3)	16.4 (0.0, 99.4)	98.9 (50.4, 100.0)	26.6 (5.6, 62.3)	4.5 (0.1, 36.2)	19.5 (2.0, 61.9)	14.0 (0.0, 92.9)	32.4 (7.1, 69.3)	1.8 (0.0, 22.7)	7.3 (0.2, 40.3)	23.2 (3.5, 59.1)	41.8 (14.1, 75.3)	34.8 (2.3, 87.1)	13.5 (0.7, 58.1)
India	88.0 (85.4, 90.2)	99.1 (98.2, 99.6)	64.5 (0.0, 100.0)	95.1 (92.6, 96.9)	2.5 (1.7, 3.7)	18.3 (15.1, 22.0)	99.1 (98.4, 99.5)	6.0 (0.4, 34.7)	17.1 (12.3, 22.8)	74.5 (52.2, 90.0)	98.8 (97.7, 99.4)	99.7 (98.6, 99.9)	59.0 (51.2, 66.4)	66.6 (25.8, 92.4)	84.1 (79.6, 87.9)
Indonesia	73.3 (69.4, 76.8)	89.3 (49.0, 99.4)	64.3 (0.1, 100.0)	57.6 (51.1, 63.9)	53.4 (30.7, 74.6)	78.9 (72.8, 84.0)	60.3 (52.4, 69.1)	1.8 (0.0, 83.4)	39.5 (34.9, 44.6)	54.6 (48.0, 61.3)	34.3 (4.6, 74.0)	18.4 (3.4, 58.0)	74.7 (67.5, 81.0)	90.1 (15.0, 99.9)	74.3 (58.2, 86.5)
Iran	40.5 (36.3, 44.7)	52.8 (47.9, 57.6)	20.0 (13.2, 28.9)	61.0 (54.7, 66.9)	35.0 (29.6, 40.4)	16.8 (14.3, 19.5)	31.1 (26.2, 36.2)	0.2 (0.1, 0.5)	12.3 (9.6, 15.4)	37.5 (29.3, 46.0)	34.4 (31.1, 37.9)	36.7 (32.8, 41.1)	52.9 (48.6, 57.4)	88.3 (83.8, 91.8)	66.5 (61.8, 70.8)

Iraq	67.8 (49.5, 80.9)	52.0 (3.3, 96.0)	21.4 (0.0, 99.5)	41.1 (11.8, 77.3)	15.2 (1.7, 48.9)	2.4 (0.1, 17.3)	47.4 (2.6, 96.9)	0.1 (0.0, 22.9)	31.7 (12.0, 55.2)	75.9 (15.8, 98.6)	27.1 (8.5, 55.3)	48.9 (30.2, 68.2)	33.0 (8.7, 68.4)	90.4 (35.9, 99.7)	72.3 (30.4, 94.1)
Ireland	36.7 (29.2, 44.6)	44.9 (23.4, 68.1)	14.4 (0.0, 99.4)	74.6 (43.8, 92.6)	17.0 (4.2, 42.0)	16.1 (7.0, 31.5)	32.4 (18.1, 50.6)	4.9 (0.0, 94.4)	30.8 (15.3, 51.2)	66.0 (44.7, 81.0)	14.4 (3.3, 39.1)	37.3 (22.0, 55.1)	52.7 (42.0, 63.6)	81.1 (41.5, 96.8)	16.1 (6.3, 33.0)
Israel	65.6 (59.1, 71.6)	37.5 (28.9, 46.2)	22.0 (0.0, 99.4)	27.1 (19.4, 36.3)	24.8 (20.2, 29.8)	26.0 (23.5, 28.7)	25.8 (20.0, 32.5)	1.5 (0.0, 55.1)	48.3 (43.6, 53.0)	6.6 (3.4, 11.8)	13.6 (9.7, 18.4)	16.4 (12.2, 21.9)	32.9 (27.0, 39.5)	69.5 (60.7, 77.6)	18.4 (14.5, 22.9)
Italy	47.1 (42.2, 52.1)	96.1 (92.9, 98.0)	9.3 (0.0, 97.1)	88.6 (84.8, 91.9)	34.3 (17.4, 55.6)	20.0 (15.2, 25.4)	34.6 (26.5, 42.9)	7.0 (3.9, 11.7)	64.1 (58.0, 69.4)	44.5 (29.6, 60.3)	3.1 (0.5, 11.8)	46.4 (38.2, 55.1)	58.3 (51.9, 64.9)	98.7 (97.5, 99.3)	33.8 (29.1, 38.6)
Jamaica	4.7 (3.0, 7.0)	27.2 (3.3, 75.5)	38.4 (0.0, 99.9)	92.1 (84.7, 96.4)	43.9 (12.2, 79.5)	3.8 (0.1, 35.3)	65.3 (26.2, 92.5)	0.4 (0.0, 75.4)	27.4 (4.9, 68.3)	8.5 (2.8, 19.2)	21.0 (2.2, 61.9)	46.8 (11.6, 84.4)	47.8 (36.6, 59.5)	100.0 (100.0, 100.0)	94.1 (47.9, 99.9)
Japan	69.7 (65.9, 73.2)	88.2 (12.3, 99.9)	43.6 (0.0, 100.0)	92.6 (86.0, 96.4)	81.6 (62.5, 92.7)	50.1 (39.4, 60.6)	39.2 (27.6, 51.3)	3.3 (0.0, 94.1)	58.1 (44.9, 70.1)	50.0 (37.8, 62.0)	6.1 (3.9, 9.8)	90.3 (61.6, 98.5)	48.3 (39.7, 57.4)	34.4 (16.0, 57.2)	76.4 (66.9, 84.4)
Jordan	25.2 (13.9, 39.5)	58.1 (5.1, 98.3)	100.0 (68.5, 100.0)	56.7 (33.5, 77.4)	75.4 (43.3, 93.3)	60.8 (33.8, 83.1)	69.2 (29.9, 94.0)	0.4 (0.1, 1.9)	45.2 (17.9, 77.1)	41.6 (26.2, 58.3)	20.9 (11.2, 33.9)	61.9 (30.3, 88.2)	19.9 (11.5, 31.4)	98.5 (94.8, 99.6)	96.2 (82.6, 99.6)
Kazakhstan	33.5 (11.6, 61.8)	64.5 (20.5, 92.8)	75.6 (0.1, 100.0)	58.1 (9.0, 93.8)	27.6 (4.4, 65.5)	0.1 (0.0, 4.2)	40.5 (8.7, 78.8)	99.8 (0.2, 100.0)	24.7 (3.5, 62.9)	6.4 (0.1, 47.5)	16.3 (2.2, 50.0)	7.7 (1.1, 29.9)	18.0 (5.2, 42.7)	76.1 (20.0, 99.1)	26.8 (2.7, 69.0)
Kenya	44.3 (34.2, 54.4)	43.2 (29.2, 58.7)	99.2 (0.0, 100.0)	79.9 (70.9, 86.9)	22.5 (2.3, 65.8)	51.7 (44.2, 59.1)	59.0 (51.1, 66.4)	4.3 (0.0, 99.1)	38.5 (29.2, 49.3)	56.4 (50.1, 62.4)	98.9 (97.2, 99.5)	46.8 (40.4, 53.6)	54.4 (49.2, 59.6)	98.6 (61.7, 100.0)	51.4 (43.4, 59.6)
Kiribati	70.2 (50.9, 84.3)	57.2 (13.5, 91.7)	66.7 (0.1, 100.0)	76.6 (24.8, 98.7)	39.3 (8.2, 78.6)	15.0 (1.5, 49.3)	49.4 (22.9, 74.6)	0.8 (0.0, 69.7)	19.4 (3.9, 52.0)	11.4 (2.8, 29.5)	41.7 (20.1, 66.6)	49.4 (13.3, 86.4)	54.7 (24.9, 81.0)	4.1 (0.5, 47.5)	39.3 (6.0, 80.9)
Kuwait	42.1 (28.2, 56.9)	9.5 (0.3, 56.1)	13.2 (0.0, 99.6)	91.3 (21.9, 100.0)	15.9 (2.2, 48.8)	5.7 (0.1, 41.5)	23.7 (2.8, 71.2)	1.2 (0.0, 59.9)	8.8 (0.6, 44.0)	9.4 (0.1, 55.2)	8.3 (0.3, 45.5)	39.1 (9.0, 76.8)	1.2 (0.3, 5.8)	52.9 (5.0, 95.4)	26.3 (1.9, 80.9)
Kyrgyzstan	43.6 (16.8, 72.1)	64.1 (19.1, 93.1)	92.0 (0.2, 100.0)	85.0 (27.1, 99.1)	58.5 (18.0, 89.6)	1.7 (0.0, 25.0)	55.7 (14.9, 88.7)	99.9 (0.3, 100.0)	34.0 (5.5, 74.4)	5.8 (0.1, 46.8)	19.3 (2.4, 57.6)	25.7 (5.3, 64.3)	43.7 (16.6, 74.6)	32.9 (3.4, 87.8)	53.7 (10.5, 89.4)
Laos	92.7 (90.8, 94.3)	72.0 (7.6, 99.1)	93.0 (0.1, 100.0)	69.1 (57.6, 79.4)	76.6 (38.0, 94.3)	6.5 (4.1, 9.9)	74.9 (68.4, 80.4)	2.5 (0.0, 89.1)	40.6 (31.6, 50.1)	58.6 (48.3, 68.0)	33.6 (4.3, 74.3)	63.3 (22.6, 92.7)	69.8 (61.4, 77.5)	34.5 (0.7, 93.8)	81.8 (16.5, 99.5)
Latvia	23.6 (13.8, 36.8)	53.0 (6.8, 93.2)	63.0 (0.1, 100.0)	11.8 (0.4, 60.0)	33.6 (5.3, 75.0)	0.5 (0.0, 9.3)	31.1 (5.9, 71.6)	99.4 (0.2, 100.0)	16.1 (1.3, 54.1)	1.6 (0.0, 27.2)	15.0 (1.6, 49.7)	11.2 (1.3, 43.0)	45.7 (17.8, 77.0)	67.4 (14.6, 98.5)	19.6 (0.8, 73.1)
Lebanon	20.9 (16.2, 26.6)	16.2 (4.4, 40.4)	100.0 (99.5, 100.0)	30.7 (18.7, 45.0)	3.6 (0.7, 12.3)	0.0 (0.0, 0.0)	9.4 (6.0, 14.1)	0.0 (0.0, 0.1)	9.9 (5.9, 16.0)	61.7 (49.3, 73.0)	14.4 (9.9, 19.9)	24.5 (18.2, 31.6)	30.0 (23.8, 37.1)	64.9 (54.1, 74.5)	15.5 (10.1, 23.0)
Lesotho	69.7 (49.2, 82.7)	41.8 (1.5, 93.2)	93.2 (0.0, 100.0)	16.3 (5.8, 49.0)	27.1 (4.1, 63.0)	25.7 (2.3, 70.6)	47.6 (1.0, 97.2)	11.1 (0.0, 98.9)	38.1 (14.2, 63.8)	73.6 (7.8, 98.7)	54.3 (19.7, 83.2)	46.5 (26.3, 67.9)	30.0 (6.6, 67.0)	55.1 (3.1, 95.8)	64.9 (20.7, 91.5)
Liberia	71.8 (32.6, 93.3)	49.3 (10.0, 88.7)	69.4 (0.0, 100.0)	3.9 (0.0, 47.6)	23.2 (2.6, 62.8)	22.3 (2.3, 67.2)	49.1 (7.8, 87.8)	3.2 (0.0, 99.1)	20.9 (2.9, 58.9)	0.0 (0.0, 3.1)	56.2 (29.4, 79.1)	28.3 (2.8, 74.5)	37.4 (13.3, 68.1)	78.6 (8.0, 99.8)	34.2 (3.1, 83.3)

Libya	69.7 (30.7, 92.4)	62.3 (14.5, 94.4)	25.4 (0.0, 99.7)	98.5 (59.1, 100.0)	68.3 (26.2, 93.6)	0.7 (0.0, 7.2)	45.4 (9.1, 85.7)	0.1 (0.0, 30.6)	42.5 (9.9, 82.1)	0.1 (0.0, 17.9)	33.3 (16.0, 55.0)	44.0 (8.3, 84.2)	49.2 (20.5, 79.0)	77.6 (19.6, 98.7)	98.8 (69.4, 100.0)
Lithuania	28.2 (20.9, 36.4)	36.3 (6.2, 79.7)	58.7 (0.0, 100.0)	55.1 (11.4, 92.3)	20.3 (2.9, 55.5)	3.3 (0.1, 26.6)	23.6 (3.9, 62.6)	99.4 (0.0, 100.0)	16.6 (3.2, 45.5)	0.2 (0.0, 10.3)	8.8 (0.4, 45.9)	13.4 (1.2, 52.3)	50.7 (14.9, 86.0)	56.0 (6.0, 98.6)	5.2 (0.1, 35.4)
Luxembourg	37.3 (12.9, 66.4)	47.0 (4.2, 90.7)	6.5 (0.0, 97.9)	64.1 (8.2, 97.8)	11.1 (0.9, 45.3)	0.8 (0.0, 13.8)	16.9 (2.1, 54.6)	4.1 (0.0, 96.8)	16.3 (1.2, 55.5)	15.5 (0.4, 65.1)	11.0 (1.0, 42.6)	16.2 (2.0, 52.7)	29.1 (9.5, 58.8)	32.5 (3.7, 83.1)	7.9 (0.2, 50.2)
Madagascar	95.1 (84.8, 98.7)	71.5 (20.4, 96.2)	92.9 (0.0, 100.0)	99.3 (69.9, 100.0)	88.0 (49.9, 98.4)	98.6 (78.8, 100.0)	77.0 (42.5, 94.0)	5.9 (0.0, 97.9)	55.7 (14.7, 91.2)	23.0 (4.4, 52.2)	58.2 (30.0, 81.5)	82.7 (41.4, 98.1)	28.5 (8.6, 58.2)	91.9 (15.1, 100.0)	87.0 (37.8, 99.2)
Malawi	79.9 (43.0, 95.7)	28.1 (1.7, 75.3)	94.2 (0.0, 100.0)	25.4 (0.7, 85.3)	9.4 (0.3, 47.6)	6.4 (0.0, 57.2)	72.1 (17.7, 97.1)	8.7 (0.0, 98.7)	17.5 (0.7, 62.7)	17.9 (0.2, 73.9)	59.5 (11.8, 91.5)	27.7 (3.7, 72.1)	32.8 (8.1, 69.1)	57.9 (3.7, 96.9)	80.1 (23.1, 98.5)
Malaysia	72.5 (67.8, 77.0)	86.1 (58.1, 97.5)	82.2 (49.6, 99.1)	27.5 (23.5, 32.0)	85.1 (78.4, 89.9)	27.0 (23.5, 30.7)	30.6 (27.1, 34.1)	1.0 (0.0, 77.8)	28.7 (24.7, 32.8)	42.5 (34.6, 50.7)	64.5 (52.2, 75.3)	54.8 (1.9, 98.5)	61.1 (56.8, 65.2)	48.7 (3.5, 96.2)	64.7 (60.1, 69.1)
Maldives	76.1 (36.6, 95.4)	92.0 (48.8, 99.7)	16.6 (0.0, 99.8)	98.9 (61.8, 100.0)	16.1 (3.3, 43.1)	7.6 (0.5, 40.3)	86.4 (38.5, 99.0)	3.5 (0.0, 71.4)	10.1 (1.2, 39.5)	1.1 (0.0, 54.6)	66.5 (34.0, 90.9)	48.4 (8.6, 88.4)	83.7 (45.6, 98.0)	49.6 (5.3, 94.0)	52.4 (7.1, 93.2)
Mali	73.5 (29.8, 96.1)	52.1 (7.1, 94.1)	97.7 (0.0, 100.0)	94.8 (24.6, 100.0)	11.9 (1.2, 45.1)	11.8 (0.5, 57.6)	49.3 (5.1, 91.6)	18.1 (0.0, 98.3)	24.4 (2.3, 72.5)	0.2 (0.0, 49.6)	58.2 (27.4, 84.8)	20.5 (0.8, 74.2)	32.6 (7.6, 70.7)	62.3 (4.0, 98.4)	19.8 (0.5, 78.7)
Malta	12.3 (3.6, 30.2)	77.5 (10.5, 99.8)	9.9 (0.0, 99.3)	94.6 (68.6, 99.7)	20.3 (2.4, 62.3)	0.1 (0.0, 0.7)	18.5 (3.2, 55.3)	2.8 (0.0, 96.7)	13.3 (1.3, 48.5)	55.4 (28.3, 79.6)	7.3 (0.4, 41.1)	18.9 (2.0, 62.5)	76.5 (45.3, 94.8)	68.4 (14.5, 97.9)	25.7 (1.2, 83.0)
Marshall Islands	77.4 (43.2, 94.4)	58.9 (12.4, 93.7)	77.4 (0.1, 100.0)	93.2 (40.0, 99.9)	41.5 (8.0, 81.0)	14.6 (1.4, 52.5)	46.0 (9.6, 83.7)	1.7 (0.0, 81.4)	19.9 (3.1, 56.7)	0.2 (0.0, 18.0)	40.9 (18.9, 66.7)	48.7 (6.2, 91.5)	55.2 (23.5, 82.6)	2.9 (0.4, 40.2)	38.0 (3.6, 86.8)
Mauritania	81.0 (42.9, 96.6)	69.7 (20.1, 96.4)	72.4 (0.0, 100.0)	98.9 (55.8, 100.0)	32.9 (4.6, 73.5)	22.0 (2.1, 68.8)	54.8 (10.2, 90.8)	6.8 (0.0, 98.8)	27.0 (4.3, 68.9)	0.0 (0.0, 14.6)	54.6 (27.7, 79.1)	35.0 (3.9, 82.4)	47.2 (17.3, 78.2)	82.7 (21.1, 99.4)	41.8 (4.5, 89.3)
Mauritius	77.6 (41.5, 95.0)	60.8 (17.4, 92.6)	26.4 (0.0, 99.9)	82.4 (19.0, 99.6)	17.7 (2.0, 53.3)	5.0 (0.4, 27.6)	70.7 (24.4, 95.2)	3.4 (0.0, 94.6)	24.0 (4.4, 61.1)	0.1 (0.0, 28.7)	53.4 (27.8, 78.0)	16.8 (1.4, 57.0)	33.0 (12.1, 61.8)	88.3 (32.7, 99.6)	36.5 (4.9, 83.2)
Mexico	36.9 (34.6, 39.2)	55.3 (53.6, 57.1)	10.0 (0.0, 99.2)	73.6 (70.1, 77.0)	21.8 (19.3, 24.4)	42.1 (39.2, 45.1)	56.5 (53.3, 59.5)	13.8 (12.5, 15.2)	29.1 (26.0, 32.5)	37.0 (14.5, 65.9)	49.5 (46.8, 52.0)	62.6 (59.9, 65.2)	51.9 (49.5, 54.5)	92.3 (90.5, 93.9)	85.6 (79.8, 90.3)
Micronesia (Federated States of)	79.4 (45.8, 95.1)	59.7 (13.2, 94.1)	71.6 (0.0, 100.0)	73.8 (13.2, 99.0)	45.0 (9.4, 82.8)	15.5 (1.5, 53.2)	48.3 (10.4, 84.8)	1.1 (0.0, 74.4)	20.3 (3.1, 56.6)	0.0 (0.0, 0.6)	42.8 (20.1, 68.2)	49.0 (6.2, 92.0)	56.8 (25.0, 83.8)	4.2 (0.4, 51.3)	39.0 (3.7, 86.7)

Moldova	57.3 (32.3, 77.6)	68.7 (23.8, 94.6)	73.1 (0.1, 100.0)	46.1 (8.3, 84.9)	62.9 (22.1, 91.4)	6.4 (0.6, 30.4)	53.7 (25.3, 78.3)	99.3 (0.1, 100.0)	45.0 (16.9, 73.2)	49.9 (12.3, 84.6)	25.0 (7.5, 54.8)	22.2 (4.4, 58.4)	57.1 (30.9, 81.3)	45.1 (5.6, 93.2)	82.6 (35.5, 98.1)
Mongolia	38.3 (14.0, 66.7)	94.8 (42.3, 100.0)	94.9 (0.0, 100.0)	12.3 (0.3, 63.3)	43.5 (9.4, 82.0)	0.1 (0.0, 3.3)	57.1 (17.3, 89.1)	100.0 (0.2, 100.0)	31.1 (4.4, 71.0)	4.9 (0.0, 43.2)	11.3 (0.5, 47.8)	9.1 (1.1, 37.0)	13.7 (3.2, 37.8)	29.5 (1.5, 94.3)	0.1 (0.0, 3.3)
Montenegro	3.7 (0.2, 19.7)	29.4 (3.7, 74.8)	69.9 (0.1, 100.0)	19.2 (0.4, 78.4)	1.1 (0.1, 10.0)	0.1 (0.0, 2.2)	25.5 (2.8, 68.2)	99.1 (0.1, 100.0)	14.7 (1.8, 49.0)	0.0 (0.0, 1.1)	32.5 (15.1, 55.7)	0.4 (0.0, 7.2)	3.1 (0.8, 11.0)	57.4 (10.0, 96.6)	17.3 (0.6, 68.1)
Morocco	62.2 (36.3, 83.4)	49.7 (20.8, 82.1)	85.8 (0.0, 100.0)	61.6 (43.2, 78.7)	23.8 (5.9, 54.6)	14.8 (7.9, 25.6)	58.5 (37.3, 79.3)	3.6 (0.2, 25.9)	53.5 (30.9, 76.8)	48.7 (37.9, 59.8)	2.1 (0.3, 9.6)	56.1 (30.8, 80.6)	58.8 (49.0, 68.5)	97.9 (88.8, 99.8)	62.4 (43.5, 79.5)
Mozambique	93.7 (85.7, 97.5)	33.0 (14.7, 56.7)	89.3 (0.0, 100.0)	68.8 (51.0, 83.4)	3.2 (1.2, 7.4)	83.6 (73.4, 90.8)	98.3 (94.0, 99.6)	3.1 (0.0, 97.6)	20.1 (12.3, 30.6)	0.0 (0.0, 0.0)	63.2 (47.5, 76.8)	60.4 (43.6, 74.8)	3.4 (1.7, 6.9)	89.2 (52.2, 99.3)	66.4 (54.5, 77.1)
Myanmar (Burma)	75.3 (44.2, 92.1)	60.8 (13.2, 93.0)	68.6 (0.0, 100.0)	69.1 (13.9, 96.8)	42.3 (6.6, 82.8)	10.0 (0.2, 55.2)	49.0 (11.4, 84.9)	2.2 (0.0, 86.8)	22.9 (2.5, 61.9)	45.4 (9.3, 79.7)	30.1 (3.8, 72.2)	50.0 (9.8, 89.9)	58.4 (24.4, 85.2)	21.1 (1.0, 82.9)	39.5 (4.8, 81.9)
Namibia	76.8 (59.8, 87.8)	51.5 (1.5, 98.1)	71.4 (0.1, 100.0)	19.1 (3.7, 54.8)	12.5 (1.3, 44.0)	41.8 (21.5, 64.7)	62.0 (6.3, 97.6)	3.2 (0.0, 94.6)	0.9 (0.0, 40.4)	35.6 (11.5, 69.5)	51.7 (25.1, 76.9)	25.6 (0.7, 84.5)	36.2 (7.4, 76.5)	79.5 (23.4, 98.7)	66.2 (28.7, 91.8)
Nepal	99.1 (95.4, 99.9)	77.8 (2.1, 100.0)	73.3 (0.0, 100.0)	100.0 (100.0, 100.0)	2.2 (0.3, 9.1)	28.7 (14.6, 48.9)	100.0 (99.7, 100.0)	9.5 (0.0, 97.4)	67.2 (16.1, 95.9)	65.7 (27.2, 91.6)	87.7 (81.7, 91.9)	15.4 (3.3, 41.6)	95.1 (82.5, 99.2)	100.0 (100.0, 100.0)	24.9 (5.3, 60.8)
Netherlands	17.7 (15.6, 19.9)	37.9 (0.7, 94.8)	10.5 (6.1, 16.9)	89.6 (86.4, 92.3)	2.2 (1.7, 2.7)	1.2 (0.0, 21.9)	41.8 (37.3, 46.3)	53.4 (48.8, 58.0)	40.5 (35.7, 45.4)	34.9 (29.7, 40.2)	13.8 (11.3, 16.6)	12.3 (10.1, 14.7)	46.6 (42.6, 51.0)	55.3 (47.4, 62.8)	9.8 (8.1, 11.9)
New Zealand	42.9 (35.1, 51.3)	37.2 (2.9, 88.1)	13.5 (0.0, 99.1)	75.5 (8.0, 99.6)	13.4 (2.1, 41.4)	1.8 (0.0, 28.3)	13.7 (1.3, 51.4)	16.5 (0.1, 93.3)	21.2 (2.0, 62.8)	8.0 (0.1, 45.2)	7.2 (0.3, 39.6)	19.2 (2.8, 53.3)	46.3 (16.4, 78.9)	85.7 (25.8, 99.5)	2.2 (0.1, 20.0)
Nicaragua	37.2 (13.4, 65.3)	21.6 (2.6, 62.1)	37.3 (0.0, 100.0)	97.3 (66.9, 99.9)	20.7 (2.7, 56.6)	3.3 (0.1, 32.3)	72.3 (29.5, 94.6)	2.1 (0.0, 79.1)	24.2 (3.2, 64.3)	3.8 (0.0, 41.1)	31.2 (5.1, 69.9)	48.9 (15.4, 83.2)	36.8 (13.4, 65.9)	98.3 (67.6, 100.0)	61.5 (17.8, 91.9)
Niger	80.4 (60.1, 92.3)	5.9 (0.0, 48.7)	99.8 (0.0, 100.0)	74.3 (7.1, 99.7)	5.3 (0.3, 31.4)	12.6 (0.2, 62.7)	56.4 (15.2, 88.1)	24.6 (0.0, 97.9)	14.2 (0.7, 61.9)	85.1 (39.3, 98.0)	62.8 (27.6, 88.3)	31.8 (4.1, 77.6)	48.6 (12.9, 86.1)	60.0 (1.7, 98.8)	3.3 (0.0, 39.0)
Nigeria	87.3 (59.1, 97.6)	15.6 (0.6, 61.8)	59.2 (0.0, 100.0)	82.7 (22.5, 99.3)	17.5 (1.3, 56.7)	21.5 (1.5, 67.5)	59.0 (19.1, 90.4)	2.2 (0.0, 97.4)	13.3 (1.9, 44.3)	0.0 (0.0, 0.6)	53.4 (13.5, 87.4)	38.8 (9.5, 73.3)	45.1 (16.7, 76.9)	62.1 (3.0, 99.1)	23.0 (1.8, 68.0)
North Macedonia	29.5 (9.5, 56.9)	36.5 (6.3, 76.3)	84.6 (0.2, 100.0)	80.0 (25.9, 98.6)	17.3 (2.2, 52.6)	0.1 (0.0, 3.4)	42.4 (10.1, 80.1)	99.5 (0.2, 100.0)	29.4 (4.8, 68.5)	0.5 (0.0, 11.7)	17.2 (2.3, 51.8)	5.6 (0.7, 23.9)	10.3 (2.8, 27.9)	69.9 (16.1, 98.7)	63.2 (16.9, 93.2)
Norway	43.7 (36.2, 51.4)	61.4 (8.1, 96.3)	13.4 (0.0, 99.0)	76.3 (13.3, 99.2)	21.6 (2.3, 63.8)	2.1 (0.0, 24.1)	23.6 (3.4, 66.4)	16.7 (0.3, 90.8)	22.0 (2.1, 65.9)	18.4 (0.5, 71.4)	11.5 (1.0, 45.2)	20.6 (2.6, 61.0)	47.4 (17.8, 78.9)	60.8 (10.6, 95.9)	16.6 (0.6, 69.7)
Oman	34.6 (11.6, 63.3)	15.5 (0.5, 64.4)	22.2 (0.0, 99.3)	94.7 (44.5, 100.0)	10.7 (0.9, 42.0)	2.5 (0.0, 22.4)	26.9 (4.6, 67.9)	0.9 (0.0, 38.3)	12.6 (0.9, 47.2)	8.3 (0.2, 48.9)	14.7 (1.7, 46.6)	28.7 (5.5, 68.2)	19.1 (5.6, 44.2)	66.0 (14.7, 96.7)	55.8 (7.8, 94.9)
Pakistan	81.0 (71.6, 88.0)	86.2 (35.5, 99.4)	57.7 (0.0, 100.0)	93.1 (82.7, 97.8)	86.0 (76.3, 92.4)	24.7 (12.5, 42.3)	99.5 (97.5, 99.9)	100.0 (99.9, 100.0)	88.6 (71.1, 97.1)	86.4 (70.0, 95.4)	69.1 (19.1, 95.8)	82.3 (64.0, 93.4)	100.0 (99.9, 100.0)	78.0 (60.3, 89.3)	93.8 (85.3, 97.8)
Palestinian Territories	0.1 (0.0, 0.3)	21.3 (9.2, 41.6)	24.6 (0.0, 99.5)	66.9 (35.5, 89.7)	0.0 (0.0, 0.0)	2.0 (1.8, 3.6)	25.8 (13.5, 42.7)	0.1 (0.0, 31.2)	19.4 (7.9, 36.5)	38.2 (19.7, 57.2)	24.0 (7.4, 50.2)	7.7 (4.3, 15.2)	22.1 (22.1, 22.3)	64.2 (12.3, 96.7)	18.4 (6.6, 37.5)
Panama	54.1 (27.0, 78.0)	54.4 (15.8, 88.6)	33.1 (0.0, 100.0)	24.1 (2.2, 72.3)	53.3 (18.3, 83.6)	4.3 (0.1, 35.3)	47.4 (13.5, 81.7)	1.6 (0.0, 75.7)	22.3 (3.5, 57.7)	60.1 (38.6, 76.8)	25.3 (4.5, 61.0)	55.7 (21.1, 86.4)	50.8 (23.1, 78.1)	97.5 (66.5, 99.9)	31.3 (5.0, 70.8)
Papua New Guinea	81.2 (41.1, 96.9)	63.0 (10.7, 96.7)	99.5 (0.1, 100.0)	0.8 (0.0, 32.7)	47.3 (6.9, 87.7)	17.3 (1.1, 63.0)	53.7 (9.1, 90.9)	5.8 (0.0, 96.1)	22.7 (2.4, 67.8)	100.0 (99.9, 100.0)	57.6 (14.7, 91.6)	50.5 (4.3, 94.5)	59.6 (23.0, 88.4)	3.5 (0.4, 61.6)	41.1 (2.1, 92.1)

Paraguay	52.7 (25.6, 76.4)	19.9 (2.7, 57.7)	9.8 (0.0, 98.5)	7.4 (0.3, 43.0)	81.4 (45.8, 96.2)	17.0 (0.9, 65.5)	61.0 (22.9, 89.7)	2.6 (0.0, 80.9)	18.2 (2.6, 52.9)	0.2 (0.0, 22.1)	25.5 (4.7, 61.7)	81.7 (45.1, 97.5)	64.9 (34.9, 87.7)	99.4 (83.3, 100.0)	46.4 (10.9, 83.7)
Peru	40.6 (15.6, 68.0)	19.9 (2.3, 60.1)	18.5 (0.0, 99.8)	98.1 (74.1, 100.0)	42.1 (10.6, 77.6)	3.4 (0.1, 32.9)	53.8 (15.8, 87.1)	1.8 (0.0, 77.3)	22.3 (3.0, 59.6)	0.0 (0.0, 1.0)	27.1 (4.2, 65.5)	44.6 (13.2, 79.9)	33.8 (12.5, 62.0)	99.6 (85.2, 100.0)	18.6 (1.7, 56.9)
Philippines	60.5 (55.4, 65.6)	99.2 (45.3, 100.0)	62.9 (0.1, 100.0)	16.9 (12.9, 21.4)	64.4 (20.7, 93.3)	1.1 (0.8, 1.6)	86.3 (81.5, 90.1)	1.4 (0.0, 78.0)	69.5 (63.3, 75.1)	62.1 (50.7, 72.2)	32.0 (10.0, 63.9)	42.8 (1.2, 96.2)	60.3 (53.6, 67.0)	25.9 (0.5, 91.1)	97.8 (81.8, 99.9)
Poland	65.9 (62.3, 69.3)	62.2 (55.2, 68.9)	33.4 (26.2, 41.9)	84.0 (80.8, 86.9)	15.5 (13.2, 18.2)	6.4 (5.0, 8.1)	37.0 (32.8, 41.3)	99.7 (0.0, 100.0)	22.8 (19.1, 27.0)	3.3 (2.3, 4.5)	21.0 (16.9, 25.3)	16.6 (13.9, 19.6)	40.5 (35.8, 45.1)	61.3 (54.2, 68.1)	26.8 (23.5, 30.3)
Portugal	34.3 (31.2, 37.5)	59.9 (54.8, 64.8)	7.5 (0.0, 97.3)	80.5 (76.5, 84.0)	21.8 (18.9, 24.6)	4.1 (3.3, 5.1)	24.0 (20.8, 27.3)	1.9 (0.0, 94.7)	11.2 (8.8, 14.2)	8.0 (4.7, 13.1)	13.3 (11.2, 15.7)	9.5 (7.7, 11.8)	36.4 (32.7, 40.2)	75.0 (70.3, 79.2)	11.5 (9.6, 13.6)
Qatar	32.4 (8.0, 66.6)	10.6 (0.3, 59.2)	36.0 (0.0, 99.9)	94.1 (26.9, 100.0)	14.2 (1.9, 46.3)	0.8 (0.0, 20.7)	23.2 (2.6, 69.3)	1.0 (0.0, 54.7)	12.6 (0.6, 52.9)	6.8 (0.1, 46.0)	10.1 (0.4, 48.8)	35.1 (7.4, 73.7)	16.2 (3.7, 44.0)	68.1 (9.1, 98.1)	57.0 (7.8, 96.0)
Romania	30.7 (26.2, 35.5)	18.6 (13.6, 24.5)	66.3 (0.0, 100.0)	42.7 (34.9, 51.1)	41.9 (34.1, 49.5)	2.0 (1.3, 3.0)	26.9 (20.5, 34.5)	1.0 (0.4, 3.4)	6.5 (4.4, 9.5)	0.4 (0.1, 1.1)	11.8 (7.2, 18.3)	14.4 (9.5, 20.7)	23.4 (17.1, 31.2)	10.4 (6.2, 16.3)	24.9 (18.8, 32.2)
Russia	38.8 (12.5, 69.1)	62.1 (14.7, 92.9)	63.5 (0.0, 100.0)	24.1 (0.9, 77.6)	35.4 (5.4, 76.7)	0.1 (0.0, 5.0)	41.4 (7.5, 82.0)	99.6 (0.1, 100.0)	26.2 (2.7, 68.9)	0.0 (0.0, 16.1)	16.0 (1.7, 51.7)	11.2 (1.4, 40.6)	35.6 (11.0, 68.7)	66.4 (10.7, 98.5)	36.2 (3.6, 80.2)
Rwanda	74.3 (33.5, 94.6)	3.7 (0.0, 40.1)	99.8 (0.0, 100.0)	94.8 (19.1, 100.0)	16.2 (1.6, 53.1)	11.9 (0.4, 60.2)	70.0 (14.3, 97.6)	14.4 (0.0, 95.3)	17.4 (0.9, 63.9)	0.4 (0.0, 14.3)	62.7 (8.3, 94.5)	37.9 (5.4, 79.1)	31.4 (6.6, 69.6)	67.3 (3.7, 98.7)	70.7 (11.7, 98.7)
Samoa	82.5 (75.1, 88.1)	59.8 (31.3, 84.6)	93.9 (0.0, 100.0)	94.9 (67.8, 99.6)	41.5 (6.8, 83.7)	34.1 (15.5, 57.5)	53.2 (32.6, 73.4)	6.3 (0.1, 83.2)	36.4 (17.6, 59.0)	34.2 (10.3, 66.3)	35.9 (13.3, 65.6)	55.6 (30.7, 78.6)	65.3 (51.5, 77.1)	7.3 (0.7, 57.9)	41.7 (9.7, 80.0)
São Tomé & Príncipe	72.5 (30.2, 94.4)	50.7 (5.0, 94.9)	92.3 (0.0, 100.0)	99.3 (53.3, 100.0)	24.7 (2.4, 67.3)	20.3 (1.1, 71.7)	41.2 (2.3, 91.8)	0.9 (0.0, 92.3)	16.7 (0.6, 64.6)	0.0 (0.0, 0.2)	44.8 (2.8, 89.5)	32.5 (3.9, 76.6)	39.4 (7.8, 76.5)	74.3 (5.5, 99.6)	48.8 (6.0, 89.2)
Saudi Arabia	61.6 (47.8, 74.1)	33.9 (15.1, 59.8)	25.4 (0.0, 99.8)	70.6 (58.5, 81.0)	39.9 (22.6, 59.4)	24.1 (10.3, 44.6)	39.5 (27.1, 53.7)	0.0 (0.0, 0.0)	8.0 (4.3, 14.2)	66.9 (44.0, 82.7)	18.4 (4.1, 47.2)	57.9 (40.2, 74.6)	68.0 (54.6, 79.8)	66.1 (14.7, 96.5)	76.4 (66.3, 84.7)
Senegal	80.1 (57.0, 92.9)	77.1 (23.2, 98.0)	83.3 (0.0, 100.0)	68.9 (11.4, 98.7)	23.0 (2.0, 66.4)	31.3 (2.7, 77.6)	73.2 (35.3, 93.2)	5.7 (0.0, 97.8)	37.7 (6.2, 82.0)	11.1 (1.8, 35.4)	57.5 (28.0, 82.6)	34.1 (7.0, 75.2)	37.0 (11.5, 70.3)	73.7 (4.6, 99.7)	55.7 (9.0, 93.3)
Serbia	10.4 (2.8, 27.6)	69.4 (2.2, 99.8)	79.4 (0.0, 100.0)	62.4 (24.5, 90.8)	34.5 (5.9, 76.9)	0.0 (0.0, 0.3)	11.9 (1.6, 45.1)	99.4 (0.2, 100.0)	17.6 (3.4, 50.0)	33.1 (13.1, 59.9)	15.4 (1.9, 49.8)	30.4 (7.8, 66.2)	47.6 (23.3, 72.8)	61.7 (13.1, 96.9)	66.6 (13.2, 97.3)
Seychelles	74.6 (51.7, 89.2)	42.1 (6.6, 83.5)	74.2 (0.0, 100.0)	87.3 (30.4, 99.7)	18.2 (1.5, 57.6)	29.8 (3.0, 73.8)	62.1 (27.1, 86.6)	5.6 (0.0, 97.3)	22.7 (3.4, 61.3)	10.3 (2.0, 31.4)	55.6 (28.2, 80.0)	36.6 (9.1, 74.2)	34.1 (11.5, 64.8)	67.1 (4.5, 99.3)	54.0 (9.8, 90.9)
Sierra Leone	71.1 (32.9, 92.4)	49.9 (5.9, 91.4)	81.4 (0.0, 100.0)	39.1 (1.5, 91.4)	23.2 (1.7, 66.6)	26.2 (1.5, 75.0)	49.1 (12.6, 86.0)	2.0 (0.0, 97.5)	24.2 (3.6, 64.6)	0.0 (0.0, 0.6)	55.2 (13.3, 89.4)	38.1 (8.3, 75.1)	36.7 (11.0, 70.8)	65.4 (2.9, 99.4)	37.7 (4.0, 83.7)
Singapore	89.9 (84.3, 93.7)	54.4 (6.7, 95.1)	53.0 (0.0, 100.0)	80.6 (10.5, 99.7)	67.8 (14.4, 96.5)	22.8 (1.5, 74.7)	54.0 (8.3, 92.2)	8.8 (0.0, 96.5)	32.4 (4.0, 79.8)	7.4 (0.0, 87.1)	40.6 (16.3, 70.7)	68.2 (9.7, 98.4)	70.5 (30.5, 94.3)	27.3 (1.3, 91.7)	25.9 (0.8, 85.5)
Slovakia	52.5 (24.0, 78.1)	71.9 (26.4, 95.3)	55.7 (0.1, 100.0)	52.1 (7.5, 92.3)	38.7 (7.9, 76.8)	0.7 (0.0, 13.9)	47.9 (12.7, 84.2)	99.1 (0.1, 100.0)	29.3 (4.6, 68.8)	0.0 (0.0, 0.8)	17.0 (2.4, 50.4)	16.5 (3.0, 49.1)	29.5 (10.0, 59.0)	58.1 (9.9, 96.6)	67.4 (19.2, 94.5)
Slovenia	59.6 (43.3, 74.0)	58.6 (15.2, 91.3)	79.3 (0.1, 100.0)	45.1 (7.2, 86.3)	40.1 (8.0, 79.2)	4.9 (0.4, 27.8)	44.5 (17.9, 71.5)	99.4 (0.1, 100.0)	34.3 (10.6, 64.3)	15.7 (1.5, 53.1)	23.8 (6.8, 53.8)	21.5 (3.9, 58.8)	60.8 (32.9, 85.0)	66.9 (13.4, 98.5)	39.4 (5.6, 81.8)
Solomon Islands	71.1 (50.1, 85.5)	58.7 (11.6, 92.9)	95.7 (0.1, 100.0)	89.4 (34.9, 99.8)	43.8 (8.4, 81.8)	16.2 (1.2, 52.7)	51.0 (21.7, 77.0)	1.3 (0.0, 79.0)	20.3 (3.3, 55.7)	26.3 (6.7, 52.4)	44.1 (19.8, 71.0)	50.0 (12.2, 87.8)	55.9 (24.2, 82.7)	1.1 (0.0, 45.8)	37.1 (4.2, 81.3)
South Africa	84.4 (80.1, 87.9)	72.4 (17.4, 98.7)	24.9 (0.0, 99.8)	88.3 (73.6, 96.0)	42.1 (23.1, 62.8)	5.4 (2.0, 12.6)	44.2 (27.8, 61.7)	5.9 (0.0, 97.4)	38.5 (24.8, 53.8)	54.4 (34.8, 72.6)	25.9 (13.1, 42.3)	50.2 (26.4, 74.3)	94.0 (82.5, 98.7)	86.0 (64.3, 96.1)	23.2 (8.9, 46.0)

South Korea	74.9 (73.7, 76.2)	23.1 (2.2, 71.6)	47.3 (0.0, 100.0)	83.8 (81.1, 86.1)	41.3 (8.2, 77.5)	35.6 (33.9, 37.4)	46.2 (43.9, 48.6)	3.3 (0.0, 88.6)	24.0 (21.9, 26.2)	60.5 (55.0, 65.9)	28.1 (5.8, 64.8)	55.6 (25.1, 82.8)	69.1 (67.6, 70.5)	87.2 (19.2, 99.9)	8.1 (0.3, 38.6)
South Sudan	76.9 (51.5, 91.0)	40.0 (3.8, 84.5)	82.6 (0.0, 100.0)	96.0 (42.2, 100.0)	19.5 (1.2, 61.6)	33.6 (2.6, 79.8)	66.8 (28.0, 90.3)	4.2 (0.0, 97.6)	24.5 (2.9, 67.6)	10.0 (1.5, 33.0)	60.3 (30.3, 84.0)	37.7 (7.4, 77.9)	30.5 (8.2, 64.9)	68.1 (2.9, 99.6)	56.0 (8.4, 92.7)
Spain	26.2 (17.3, 37.3)	48.3 (7.0, 91.1)	6.6 (0.0, 97.9)	21.9 (0.8, 80.1)	33.1 (6.5, 72.3)	4.0 (0.1, 39.5)	26.6 (5.2, 65.7)	2.6 (0.0, 94.6)	16.6 (1.8, 54.4)	29.1 (2.2, 74.8)	6.7 (0.4, 34.2)	27.7 (4.8, 68.8)	57.1 (22.5, 86.7)	91.4 (44.4, 99.8)	18.1 (0.9, 69.0)
Sri Lanka	79.8 (40.3, 96.5)	99.7 (85.7, 100.0)	48.3 (0.0, 100.0)	9.5 (3.9, 19.9)	20.3 (2.4, 57.7)	11.9 (0.8, 53.3)	100.0 (99.1, 100.0)	2.6 (0.0, 90.3)	99.7 (88.7, 100.0)	0.0 (0.0, 12.8)	70.7 (37.7, 91.7)	41.4 (5.0, 87.0)	84.8 (47.1, 98.3)	97.6 (58.1, 100.0)	45.0 (4.5, 91.3)
St. Lucia	73.9 (42.9, 92.1)	52.4 (12.8, 88.8)	54.4 (0.0, 100.0)	62.1 (9.8, 95.7)	75.0 (30.4, 95.5)	25.1 (1.2, 78.7)	82.4 (40.9, 97.7)	2.6 (0.0, 82.9)	41.9 (8.5, 80.5)	72.3 (48.8, 86.5)	31.6 (5.6, 69.7)	74.5 (32.5, 95.9)	91.6 (66.5, 99.0)	58.3 (6.7, 96.6)	92.9 (55.6, 99.5)
St. Vincent & Grenadines	36.6 (14.5, 62.8)	18.6 (2.4, 54.9)	30.7 (0.0, 100.0)	96.2 (66.8, 99.9)	26.7 (5.2, 61.7)	2.5 (0.1, 25.2)	69.9 (31.5, 93.3)	1.1 (0.0, 68.9)	25.7 (4.7, 62.2)	2.7 (0.1, 22.8)	27.0 (4.8, 62.8)	56.0 (21.2, 86.1)	40.2 (17.4, 67.7)	55.6 (8.5, 94.6)	80.7 (38.6, 97.4)
Sudan	71.5 (46.4, 87.5)	58.8 (12.4, 92.5)	76.8 (0.0, 100.0)	87.9 (27.6, 99.8)	13.5 (0.9, 50.8)	18.4 (1.1, 61.2)	50.7 (17.1, 80.1)	2.9 (0.0, 98.1)	30.1 (4.9, 73.8)	10.3 (1.8, 32.6)	58.5 (30.2, 81.9)	41.2 (10.5, 79.3)	46.1 (16.4, 77.4)	65.2 (3.4, 99.2)	28.8 (2.5, 75.0)
Suriname	57.5 (23.1, 85.5)	75.0 (25.7, 97.9)	34.1 (0.0, 100.0)	47.4 (4.0, 94.9)	73.0 (31.3, 95.2)	5.9 (0.4, 30.6)	73.4 (29.9, 95.4)	1.2 (0.0, 65.9)	32.6 (7.2, 72.5)	0.5 (0.0, 38.3)	41.7 (21.2, 65.2)	56.7 (12.9, 90.9)	57.4 (27.3, 83.5)	54.7 (8.0, 94.6)	74.9 (20.4, 98.3)
Sweden	29.0 (25.2, 33.5)	46.4 (39.2, 53.8)	10.5 (0.0, 98.8)	79.7 (73.5, 84.8)	12.5 (9.7, 15.7)	1.9 (1.2, 2.8)	32.9 (27.4, 38.7)	53.2 (46.1, 59.9)	11.6 (8.2, 16.0)	10.4 (5.5, 17.7)	2.0 (1.2, 3.2)	7.7 (5.3, 10.9)	34.1 (28.5, 40.2)	65.6 (57.8, 72.5)	8.1 (0.1, 60.5)
Switzerland	26.6 (17.2, 38.4)	61.1 (12.6, 93.8)	7.3 (0.0, 98.5)	98.6 (95.7, 99.6)	20.2 (2.9, 56.6)	0.3 (0.0, 8.6)	22.7 (2.9, 63.7)	3.2 (0.0, 94.4)	30.0 (7.2, 64.0)	44.4 (25.3, 65.7)	4.0 (0.0, 33.3)	15.1 (2.0, 45.1)	23.6 (7.8, 49.2)	95.0 (54.4, 99.9)	13.5 (0.7, 60.3)
Syria	40.5 (14.2, 69.0)	20.7 (2.0, 59.3)	25.8 (0.0, 99.7)	71.6 (16.7, 97.2)	26.7 (4.2, 63.1)	6.3 (0.1, 44.4)	13.2 (1.4, 46.7)	0.1 (0.0, 32.3)	8.6 (0.6, 36.7)	4.5 (0.1, 32.0)	19.6 (2.9, 53.4)	47.3 (15.9, 81.0)	36.9 (14.3, 65.4)	63.2 (14.2, 95.7)	31.0 (3.9, 72.8)
Tajikistan	54.0 (21.9, 82.2)	91.0 (35.8, 99.8)	98.7 (0.2, 100.0)	76.1 (13.6, 99.3)	57.9 (12.9, 91.9)	0.4 (0.0, 9.1)	77.7 (29.2, 97.9)	99.9 (0.2, 100.0)	52.4 (10.3, 89.2)	12.1 (0.2, 66.3)	19.9 (2.1, 59.7)	6.8 (0.4, 37.4)	22.5 (6.2, 51.7)	48.2 (4.4, 96.3)	99.0 (63.3, 100.0)
Tanzania	75.6 (53.0, 89.8)	28.1 (2.6, 73.0)	95.7 (0.1, 100.0)	90.4 (34.3, 99.8)	7.7 (0.4, 38.1)	52.2 (10.4, 89.5)	62.6 (27.9, 86.8)	5.1 (0.0, 97.6)	20.5 (2.9, 59.0)	7.3 (1.5, 26.2)	58.7 (30.6, 82.2)	32.9 (7.5, 71.9)	24.6 (7.4, 53.9)	67.2 (4.2, 99.4)	54.6 (10.3, 91.6)
Thailand	82.0 (80.2, 83.6)	83.3 (19.6, 99.7)	52.0 (0.0, 100.0)	72.9 (68.9, 76.8)	69.5 (31.0, 91.6)	14.5 (12.2, 17.2)	52.4 (47.7, 57.0)	1.6 (0.0, 84.1)	31.1 (27.6, 35.1)	72.5 (64.6, 79.5)	33.1 (4.8, 72.2)	59.4 (20.7, 90.4)	90.6 (87.9, 92.9)	47.5 (1.2, 97.4)	99.9 (99.9, 100.0)
Timor-Leste	74.3 (55.4, 86.5)	58.8 (4.6, 97.6)	90.9 (0.1, 100.0)	27.2 (5.2, 66.7)	47.1 (13.9, 78.8)	11.4 (0.7, 50.4)	54.0 (29.1, 75.8)	1.9 (0.0, 83.1)	36.7 (15.5, 61.0)	62.4 (20.4, 89.0)	30.8 (4.4, 69.9)	54.8 (26.5, 81.0)	57.6 (27.2, 82.9)	11.9 (0.2, 76.0)	25.7 (0.6, 81.8)
Togo	71.5 (34.4, 92.9)	47.7 (10.4, 86.6)	85.9 (0.1, 100.0)	20.6 (0.5, 78.5)	21.8 (2.7, 61.1)	22.1 (2.5, 65.9)	52.6 (10.6, 88.6)	3.0 (0.0, 91.4)	20.8 (3.3, 57.6)	0.0 (0.0, 0.3)	57.8 (31.7, 80.6)	27.9 (3.1, 73.1)	36.1 (13.4, 65.7)	66.1 (11.3, 97.1)	32.3 (3.2, 80.2)
Tonga	78.6 (37.1, 96.0)	59.9 (9.8, 95.6)	83.4 (0.0, 100.0)	94.5 (31.1, 100.0)	45.9 (6.3, 86.2)	15.7 (0.9, 59.4)	48.1 (6.8, 88.0)	3.2 (0.0, 88.9)	20.5 (2.0, 62.1)	0.2 (0.0, 23.7)	41.4 (17.2, 68.8)	49.6 (4.3, 94.1)	56.4 (20.6, 85.7)	8.3 (0.5, 67.1)	41.4 (2.5, 91.8)
Trinidad & Tobago	99.3 (95.1, 99.9)	41.0 (6.8, 81.8)	54.6 (0.0, 100.0)	66.5 (10.9, 97.4)	99.6 (94.1, 100.0)	46.3 (3.9, 92.6)	81.0 (36.7, 97.7)	2.2 (0.0, 80.7)	39.8 (6.9, 79.8)	47.1 (16.3, 75.1)	27.3 (3.8, 66.0)	97.9 (78.3, 99.9)	96.4 (77.2, 99.7)	60.8 (7.0, 97.0)	92.9 (55.2, 99.6)
Tunisia	72.9 (63.7, 80.1)	34.0 (0.8, 94.7)	0.3 (0.0, 1.9)	69.1 (52.0, 82.2)	38.9 (17.9, 62.8)	8.9 (3.5, 18.4)	13.2 (0.7, 62.9)	0.1 (0.0, 2.3)	37.1 (22.5, 53.4)	47.6 (23.7, 71.2)	39.8 (30.0, 50.1)	92.4 (63.2, 99.3)	62.2 (39.0, 82.6)	83.1 (57.9, 95.4)	71.0 (51.6, 86.0)
Turkey	59.2 (48.6, 69.1)	7.3 (0.1, 55.1)	85.3 (0.1, 100.0)	99.8 (96.2, 100.0)	36.4 (9.8, 72.0)	51.7 (22.9, 79.2)	60.4 (27.2, 86.2)	0.1 (0.0, 26.6)	48.3 (12.4, 88.4)	9.3 (4.1, 17.6)	54.0 (36.7, 71.1)	63.4 (20.6, 94.8)	77.0 (53.7, 92.3)	97.4 (87.9, 99.6)	96.3 (83.4, 99.5)

Turkmenistan	43.7 (16.8, 71.6)	51.5 (11.8, 86.4)	82.9 (0.1, 100.0)	52.3 (7.2, 93.3)	25.8 (3.8, 64.9)	0.6 (0.0, 13.7)	46.6 (10.9, 83.8)	98.6 (0.1, 100.0)	20.1 (2.1, 58.4)	7.8 (0.1, 67.3)	18.5 (2.5, 54.8)	14.3 (2.3, 44.3)	33.4 (11.5, 63.9)	30.5 (3.0, 87.4)	25.8 (2.3, 69.1)
Uganda	69.2 (42.3, 86.8)	49.2 (6.3, 89.9)	94.1 (0.0, 100.0)	65.2 (7.4, 98.1)	27.1 (4.7, 64.2)	27.6 (1.8, 74.7)	58.0 (20.3, 85.1)	12.2 (0.0, 94.4)	22.5 (2.5, 64.4)	7.7 (1.2, 28.1)	60.4 (30.6, 84.4)	35.0 (7.1, 75.8)	35.3 (10.4, 69.3)	69.6 (6.8, 98.4)	42.1 (4.2, 87.0)
Ukraine	56.3 (24.2, 82.3)	56.4 (13.0, 90.4)	68.2 (0.0, 100.0)	60.2 (8.0, 95.2)	40.0 (7.0, 79.8)	0.3 (0.0, 8.6)	44.8 (8.9, 83.9)	99.5 (0.1, 100.0)	26.2 (2.8, 67.8)	4.3 (0.1, 45.3)	16.8 (1.9, 53.5)	12.4 (1.7, 44.2)	26.3 (7.6, 56.3)	63.1 (10.4, 98.0)	44.5 (6.2, 86.1)
United Arab Emirates	55.6 (48.6, 62.6)	13.1 (0.8, 50.4)	37.5 (25.6, 50.5)	66.3 (57.9, 74.0)	24.6 (3.3, 65.1)	1.2 (0.6, 2.1)	29.4 (22.4, 37.4)	1.7 (1.1, 2.7)	18.4 (12.6, 25.5)	81.7 (78.0, 84.8)	25.0 (18.9, 31.7)	55.8 (19.4, 88.1)	43.9 (35.7, 52.2)	94.6 (48.7, 99.9)	60.6 (53.8, 66.9)
United Kingdom	29.2 (25.0, 33.9)	61.7 (9.3, 95.1)	13.0 (0.0, 98.1)	98.5 (96.6, 99.4)	29.6 (3.8, 72.3)	3.4 (0.0, 41.3)	26.6 (2.6, 72.2)	7.3 (0.0, 93.5)	28.1 (4.4, 65.9)	99.5 (97.3, 99.9)	4.2 (0.0, 37.2)	30.2 (4.4, 69.8)	42.5 (29.1, 56.9)	99.9 (99.4, 100.0)	39.1 (15.1, 67.3)
United States	23.3 (21.8, 24.8)	18.0 (1.4, 70.5)	10.1 (0.0, 98.5)	56.1 (53.1, 59.2)	29.4 (27.1, 31.8)	1.7 (1.4, 2.0)	13.4 (12.1, 14.9)	0.6 (0.5, 0.7)	7.1 (6.2, 8.2)	24.0 (17.7, 31.5)	10.7 (9.6, 11.8)	18.1 (16.4, 19.9)	51.3 (49.1, 53.5)	86.4 (84.7, 87.9)	11.6 (10.4, 12.9)
Uruguay	45.5 (24.6, 65.0)	24.7 (0.4, 88.9)	21.2 (0.0, 99.7)	42.9 (8.8, 79.3)	45.6 (8.5, 86.0)	11.5 (0.6, 50.8)	25.3 (0.2, 92.1)	0.8 (0.0, 89.8)	33.1 (10.8, 60.9)	7.9 (0.1, 55.4)	17.2 (1.0, 63.3)	55.7 (11.2, 93.2)	44.1 (10.6, 82.4)	99.5 (71.1, 100.0)	6.0 (0.3, 32.3)
Uzbekistan	48.3 (24.0, 70.6)	68.8 (22.9, 94.5)	85.5 (0.1, 100.0)	64.8 (16.8, 94.0)	25.4 (3.5, 64.4)	0.3 (0.0, 3.4)	57.9 (28.1, 81.6)	99.9 (0.3, 100.0)	45.7 (17.1, 74.4)	25.5 (3.0, 65.9)	25.0 (7.2, 54.5)	2.1 (0.2, 12.5)	15.5 (6.1, 31.8)	17.2 (1.5, 75.2)	66.5 (18.9, 94.1)
Vanuatu	77.1 (41.9, 94.2)	57.0 (12.1, 93.3)	82.0 (0.1, 100.0)	85.8 (26.2, 99.6)	40.5 (6.8, 81.7)	13.9 (1.4, 49.7)	43.1 (8.7, 81.4)	2.4 (0.0, 86.1)	19.5 (3.2, 54.8)	2.5 (0.0, 54.3)	41.6 (19.7, 66.8)	48.7 (6.1, 91.8)	55.8 (24.2, 82.6)	4.8 (0.6, 48.5)	39.1 (3.9, 86.6)
Venezuela	51.0 (27.8, 72.5)	61.2 (11.0, 96.2)	48.5 (0.0, 100.0)	64.0 (31.7, 88.2)	91.9 (69.3, 98.7)	5.1 (0.6, 22.8)	67.0 (25.7, 93.2)	64.5 (14.2, 96.9)	46.2 (10.9, 84.2)	0.2 (0.0, 1.7)	26.5 (3.4, 66.7)	72.9 (33.5, 95.3)	34.4 (15.8, 58.7)	99.7 (96.9, 100.0)	20.9 (7.7, 41.0)
Vietnam	70.9 (65.6, 75.6)	99.5 (86.5, 100.0)	73.6 (0.1, 100.0)	87.7 (83.7, 91.1)	85.1 (72.1, 93.1)	28.0 (23.6, 32.8)	78.4 (74.3, 81.9)	2.5 (0.0, 89.9)	43.2 (37.3, 49.4)	49.5 (40.2, 58.5)	58.4 (44.2, 71.1)	42.0 (0.6, 97.4)	53.0 (47.4, 58.8)	22.7 (0.4, 87.9)	41.5 (35.6, 47.6)
Yemen	66.8 (43.3, 83.0)	82.4 (11.3, 99.7)	83.4 (0.0, 100.0)	48.3 (11.0, 87.1)	16.9 (1.0, 60.4)	3.7 (0.1, 30.6)	66.5 (3.0, 99.7)	0.3 (0.0, 60.5)	35.2 (11.2, 65.2)	93.7 (28.9, 99.9)	32.5 (8.6, 66.8)	32.8 (4.7, 75.3)	49.9 (12.9, 87.1)	63.3 (4.2, 97.9)	70.1 (19.5, 95.5)
Zambia	72.0 (36.0, 93.0)	47.7 (10.9, 86.7)	48.1 (0.1, 100.0)	8.5 (0.2, 58.1)	22.2 (2.9, 60.4)	22.0 (2.6, 65.2)	52.0 (11.0, 88.1)	3.6 (0.0, 96.5)	20.3 (3.5, 56.3)	0.0 (0.0, 1.8)	56.4 (31.3, 78.8)	28.3 (3.4, 73.1)	36.4 (13.8, 65.6)	59.6 (9.1, 95.3)	40.3 (5.5, 85.2)
Zimbabwe	78.8 (61.3, 89.3)	77.5 (51.3, 93.6)	67.4 (0.0, 100.0)	30.4 (6.7, 69.7)	27.4 (6.0, 59.6)	31.8 (15.0, 53.8)	72.4 (50.7, 87.8)	1.8 (0.0, 98.1)	40.7 (21.9, 62.3)	36.7 (11.7, 71.7)	54.1 (26.7, 79.2)	43.4 (25.7, 63.0)	55.1 (43.3, 66.5)	74.3 (18.4, 98.1)	79.5 (42.4, 96.9)

Abbreviations: WRA, women of reproductive age; RAE, retinol activity equivalents; UI, uncertainty interval.

Table S3 Prevalence of intake inadequacies by World Bank region among WRA in 2018.

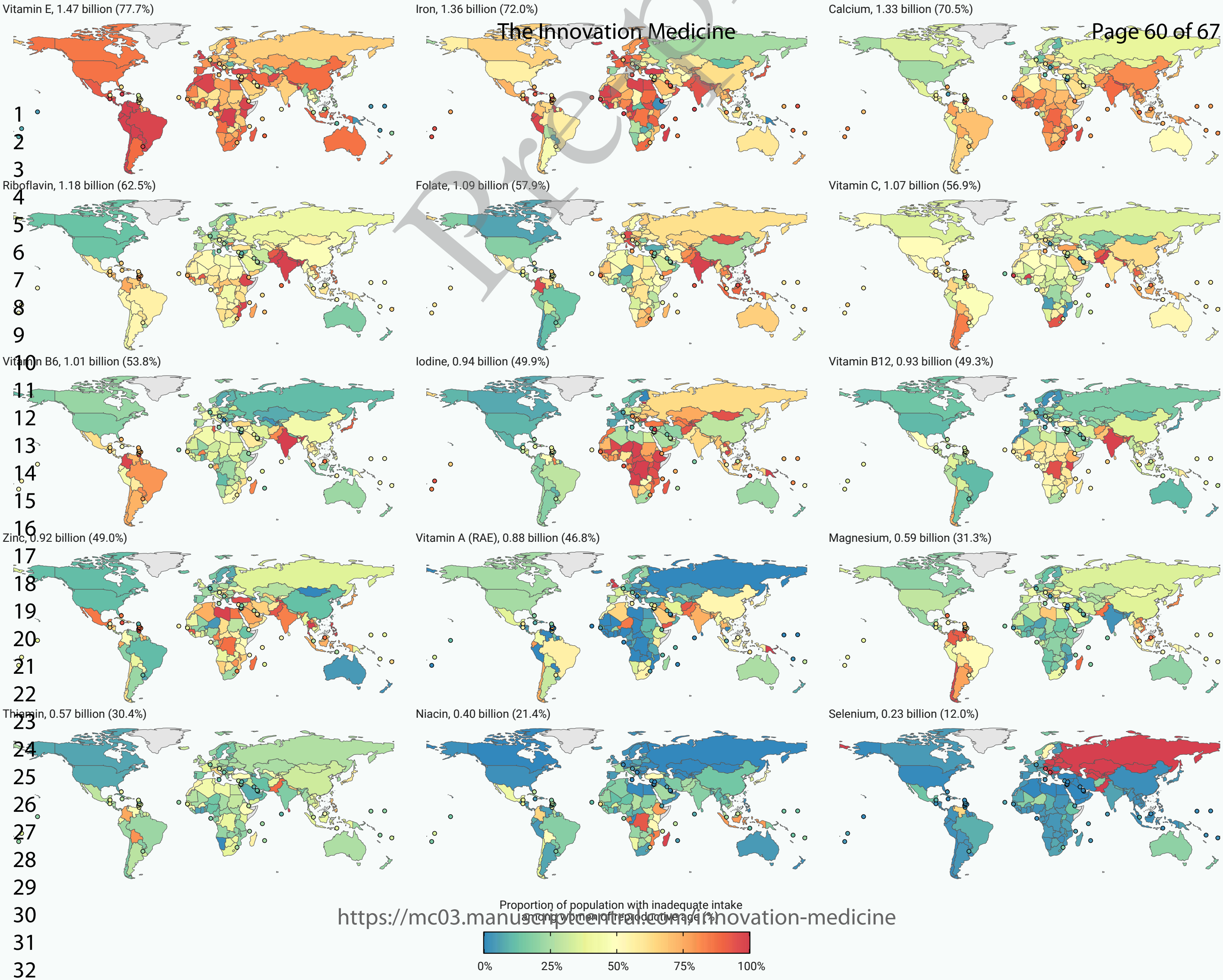
	Prevalence of intake inadequacy, % (95% UI)						
	East Asia and Pacific	**Europe and Central Asia**	**Latin America and Caribbean**	**Middle East and North Africa**	**North America**	**South Asia**	**Sub-Saharan Africa**
Calcium	77.7 (72.9, 81.4)	40.6 (27.3, 54.5)	57.1 (48.4, 65.4)	50.3 (32.8, 66.3)	24.5 (22.9, 26.2)	87.8 (83.8, 90.8)	79.3 (58.9, 89.7)
Folate	48.3 (17.4, 80.9)	57.4 (26.3, 85.5)	33.4 (22.7, 46.5)	45.7 (18.2, 73.5)	16.8 (1.8, 64.1)	97.0 (87.8, 99.6)	41.2 (13.2, 75.4)
Iodine	41.9 (0.8,100.0)	46.1 (3.6, 90.9)	24.2 (0.0, 99.7)	37.1 (6.0, 82.0)	9.8 (0.0, 98.5)	63.2 (0.0,100.0)	80.6 (0.0,100.0)
Iron	62.2 (33.6, 82.4)	68.0 (48.7, 89.6)	66.7 (56.0, 74.5)	68.7 (44.2, 83.2)	57.2 (53.9, 60.4)	92.5 (88.3, 95.4)	68.5 (35.5, 83.8)
Magnesium	46.5 (19.5, 75.8)	31.5 (11.3, 59.6)	51.4 (39.8, 61.9)	31.3 (13.3, 57.7)	28.4 (26.1, 30.9)	13.1 (10.4, 16.4)	19.8 (5.0, 51.1)
Niacin	24.6 (15.7, 42.3)	10.5 (5.4, 24.1)	24.5 (18.0, 37.0)	10.7 (6.1, 23.9)	1.5 (1.3, 1.8)	18.3 (13.6, 25.0)	38.2 (22.8, 66.7)
Riboflavin	51.9 (34.2, 70.8)	38.1 (16.5, 64.0)	58.8 (42.2, 72.8)	43.3 (18.5, 68.4)	13.4 (11.9, 15.0)	99.1 (96.8, 99.6)	64.0 (33.9, 86.1)
Selenium	2.1 (0.0, 84.0)	48.0 (2.5, 82.0)	9.7 (5.5, 41.0)	0.5 (0.1, 23.1)	0.9 (0.4, 10.3)	16.3 (11.6, 41.6)	6.0 (0.0, 95.0)
Thiamin	36.2 (20.7, 55.8)	31.3 (13.6, 58.6)	31.0 (18.8, 47.5)	28.2 (12.2, 50.1)	7.1 (6.1, 8.1)	29.0 (21.2, 36.3)	27.6 (12.2, 55.4)
Vitamin A (RAE)	53.4 (28.8, 77.1)	21.3 (12.3, 41.7)	38.5 (26.4, 53.2)	40.9 (22.3, 61.0)	24.0 (17.7, 31.4)	75.8 (54.9, 89.6)	15.3 (8.0, 28.0)
Vitamin B12	35.4 (13.9, 63.8)	18.6 (8.3, 41.6)	29.4 (20.1, 42.4)	23.7 (11.3, 45.0)	11.0 (9.8, 12.2)	92.9 (84.4, 97.4)	60.2 (34.2, 81.5)
Vitamin B6	43.5 (17.0, 75.1)	27.4 (13.1, 50.5)	70.2 (54.2, 81.8)	41.8 (22.8, 64.3)	18.5 (16.6, 20.4)	90.4 (84.8, 94.8)	35.7 (12.4, 70.6)
Vitamin C	64.2 (50.2, 75.5)	43.9 (27.6, 62.9)	54.0 (43.2, 65.1)	44.6 (29.0, 63.2)	49.7 (47.4, 52.1)	68.3 (60.6, 74.4)	40.5 (22.2, 62.5)
Vitamin E	74.6 (14.7, 96.1)	73.4 (46.4, 90.7)	96.4 (87.8, 98.1)	85.6 (53.0, 96.7)	86.3 (80.5, 89.0)	72.5 (38.6, 93.1)	79.0 (30.4, 98.6)
Zinc	33.4 (21.7, 54.3)	38.4 (19.2, 62.2)	40.7 (29.7, 51.6)	69.9 (44.2, 84.5)	11.6 (10.3, 12.9)	79.5 (72.9, 85.1)	42.9 (19.2, 70.9)

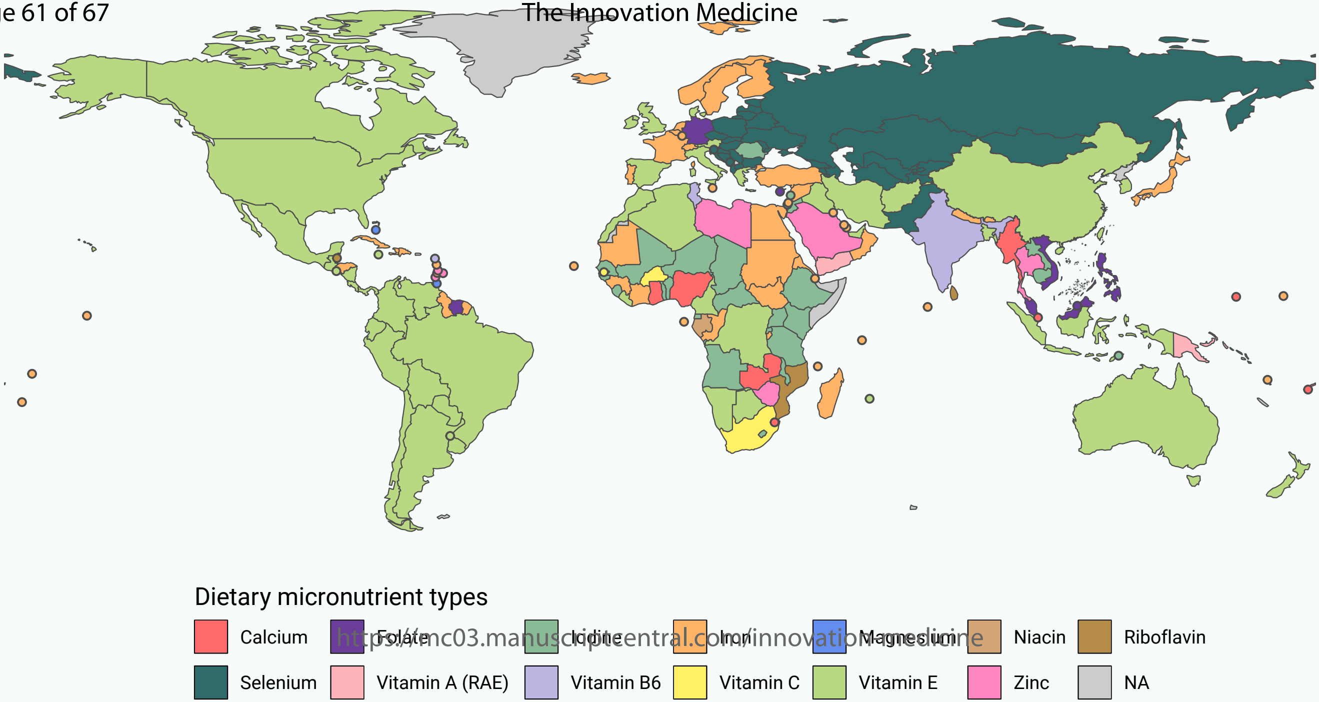
Abbreviations: WRA, women of reproductive age; RAE, retinol activity equivalents; UI, uncertainty interval.

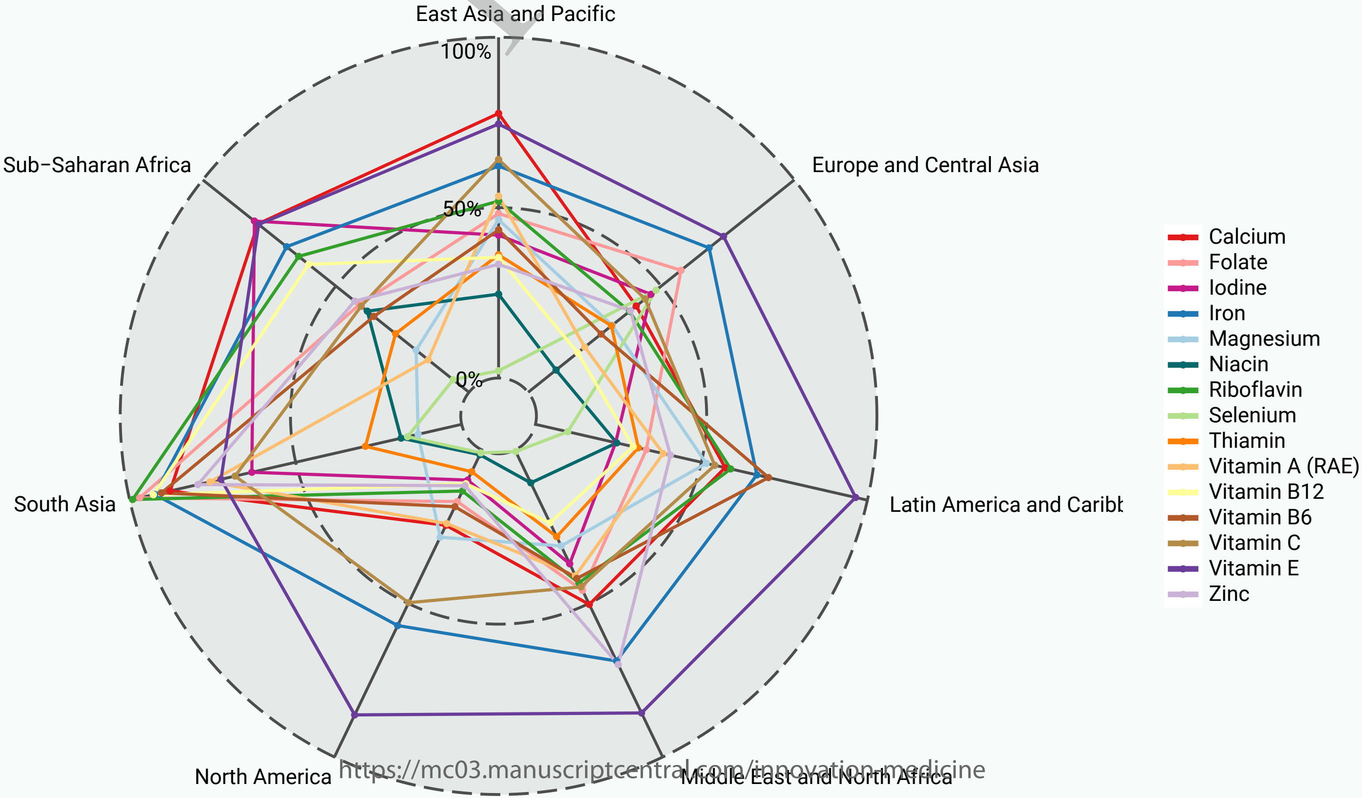
Table S4 Global prevalence of intake inadequacy (%, 95% UI) for 15 micronutrients among WRA, by 5-year age group, in 2018.

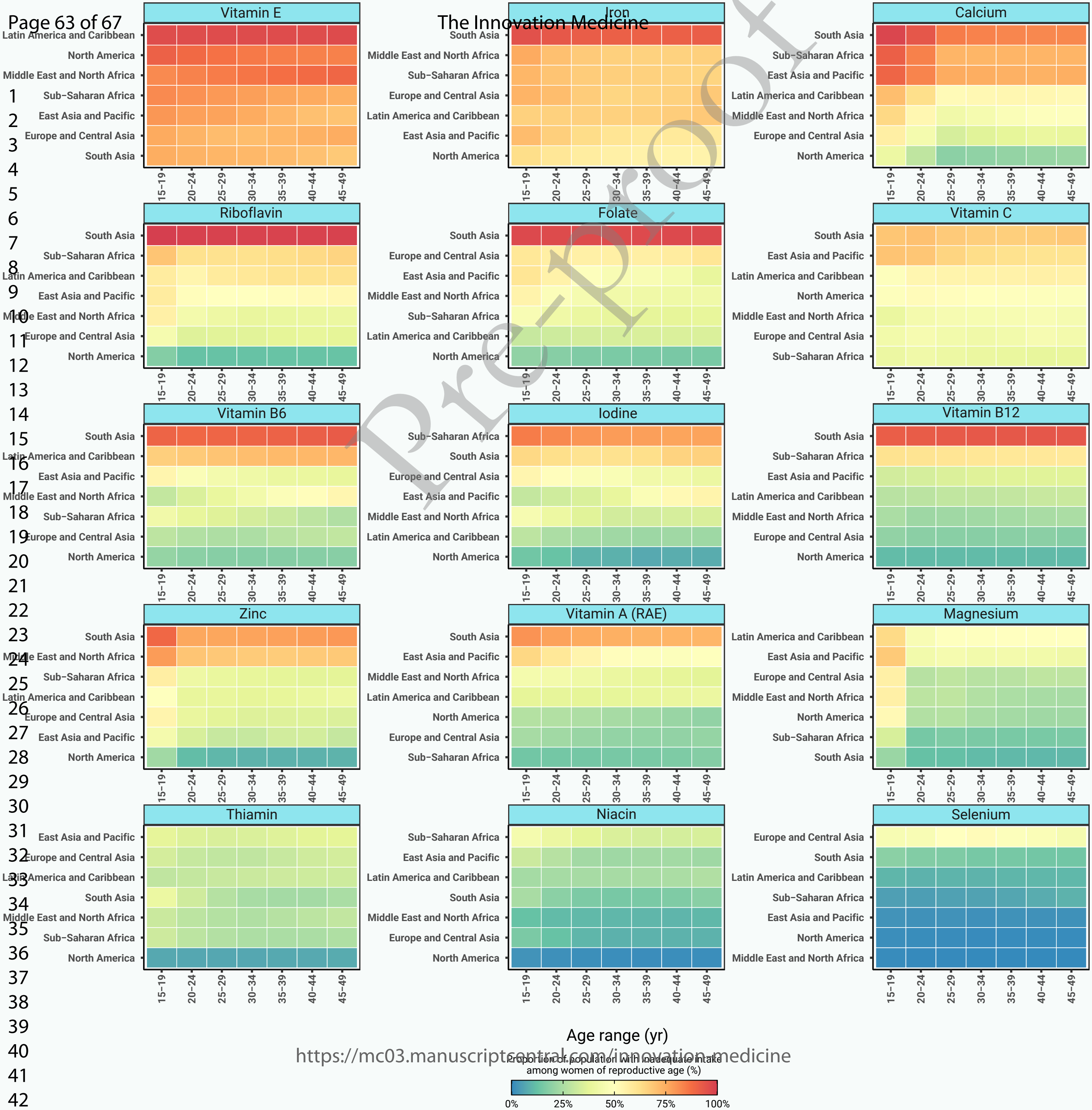
	15-19	**20-24**	**25-29**	**30-34**	**35-39**	**40-44**	**45-49**
Calcium	84.6 (76.9, 89.0)	76.8 (68.0, 82.7)	66.6 (57.4, 74.0)	66.0 (56.8, 73.6)	65.5 (56.4, 73.0)	65.5 (56.6, 72.8)	65.6 (57.4, 72.4)
Folate	63.8 (40.9, 84.7)	60.9 (38.8, 82.7)	57.9 (36.3, 80.8)	56.6 (34.8, 80.6)	56.2 (34.1, 79.7)	55.4 (32.6, 79.5)	52.5 (29.6, 78.9)
Iodine	53.1 (1.1, 98.6)	50.4 (1.1, 98.2)	47.6 (1.0, 97.7)	47.5 (1.1, 97.4)	48.9 (1.0, 97.2)	50.9 (1.0, 97.4)	51.0 (0.9, 97.4)
Iron	78.4 (60.5, 88.1)	75.1 (56.7, 86.4)	72.2 (53.0, 85.2)	70.2 (51.0, 84.3)	69.4 (50.6, 83.6)	68.9 (49.6, 83.5)	68.3 (47.7, 83.8)
Magnesium	45.0 (25.7, 62.8)	26.9 (13.8, 45.9)	29.1 (14.7, 49.0)	28.6 (14.1, 48.7)	28.8 (14.2, 48.6)	29.4 (14.2, 50.0)	30.2 (13.9, 52.0)
Niacin	27.7 (18.4, 43.9)	23.4 (15.6, 38.3)	20.4 (13.3, 34.7)	19.1 (12.3, 32.8)	19.1 (12.4, 32.5)	19.3 (12.6, 32.9)	19.5 (12.2, 34.5)
Riboflavin	69.7 (53.1, 82.6)	63.4 (48.1, 77.9)	61.5 (46.2, 76.4)	60.6 (45.3, 75.8)	60.7 (45.3, 75.6)	60.6 (45.1, 75.7)	59.5 (43.8, 74.7)
Selenium	12.0 (4.8, 64.8)	11.5 (4.3, 63.2)	12.0 (3.9, 63.6)	12.1 (3.5, 61.5)	12.2 (3.4, 63.0)	12.3 (3.2, 63.6)	11.6 (2.9, 66.4)
Thiamin	34.8 (21.4, 52.7)	30.9 (18.4, 48.3)	28.9 (16.5, 46.1)	28.3 (15.8, 45.9)	28.7 (16.1, 46.0)	29.7 (16.8, 47.3)	31.0 (17.3, 49.0)
Vitamin A (RAE)	50.9 (34.4, 66.2)	49.1 (32.3, 65.3)	47.2 (29.7, 64.5)	45.6 (28.2, 63.4)	44.6 (27.6, 62.9)	44.3 (27.2, 63.3)	44.9 (26.4, 64.7)
Vitamin B12	52.9 (37.5, 69.9)	51.5 (36.4, 69.0)	49.7 (34.9, 66.9)	48.8 (33.9, 66.8)	48.1 (33.5, 65.8)	47.2 (32.2, 65.5)	45.3 (30.2, 63.9)
Vitamin B6	58.7 (40.0, 77.9)	55.8 (38.3, 75.9)	53.7 (36.7, 74.2)	52.7 (36.2, 73.2)	52.2 (36.1, 73.0)	51.7 (35.7, 72.9)	50.1 (34.1, 71.7)
Vitamin C	57.1 (44.8, 69.6)	58.9 (46.5, 71.0)	57.3 (44.7, 69.6)	56.2 (43.5, 68.7)	55.9 (43.4, 68.3)	56.1 (43.4, 68.7)	56.4 (43.8, 68.9)
Vitamin E	80.5 (41.7, 96.1)	79.3 (40.7, 95.7)	78.5 (39.0, 95.3)	77.6 (37.6, 95.0)	76.6 (37.6, 94.6)	75.5 (36.4, 93.9)	74.6 (33.9, 93.9)
Zinc	62.6 (47.0, 76.9)	49.6 (36.2, 65.4)	46.9 (33.9, 63.0)	46.0 (33.2, 62.7)	46.3 (33.6, 62.9)	45.9 (33.2, 62.6)	43.5 (31.1, 61.0)

Abbreviations: WRA, women of reproductive age; RAE, retinol activity equivalents; UI, uncertainty interval.


Vitamin E, 1.47 billion (77.7%)
Iron, 1.36 billion (72.0%)
Calcium, 1.33 billion (70.5%)
Riboflavin, 1.18 billion (62.5%)
Folate, 1.09 billion (57.9%)
Vitamin C, 1.07 billion (56.9%)
Vitamin B6, 1.01 billion (53.8%)
Iodine, 0.94 billion (49.9%)
Vitamin B12, 0.93 billion (49.3%)
Zinc, 0.92 billion (49.0%)
Vitamin A (RAE), 0.88 billion (46.8%)
Magnesium, 0.59 billion (31.3%)
Thiamin, 0.57 billion (30.4%)
Niacin, 0.40 billion (21.4%)
Selenium, 0.23 billion (12.0%)
Proportion of population with inadequate intake
among women of reproductive age (%)
0%
25%
50%
75%
100%

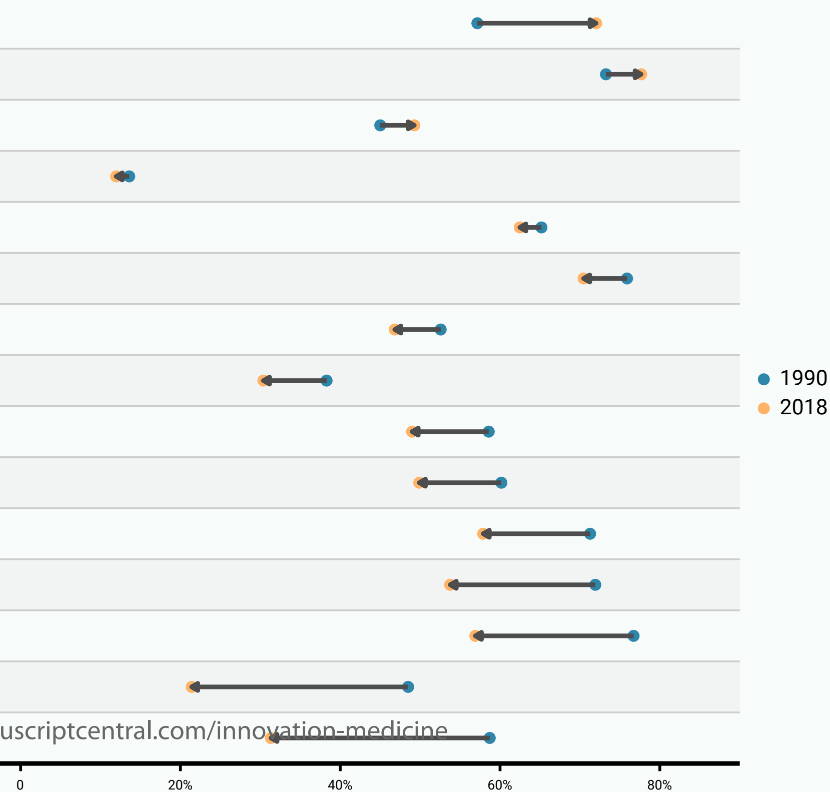

Dietary micronutrient types
Calcium
Folate
Iodine
Iron
Magnesium
Niacin
Riboflavin
Selenium
Vitamin A (RAE)
Vitamin B6
Vitamin C
Vitamin E
Zinc
NA


East Asia and Pacific
Europe and Central Asia
Latin America and Caribb
Middle East and North Africa
North America
South Asia
Sub-Saharan Africa
100%
50%
0%
Calcium
Folate
Iodine
Iron
Magnesium
Niacin
Riboflavin
Selenium
Thiamin
Vitamin A (RAE)
Vitamin B12
Vitamin B6
Vitamin C
Vitamin E
Zinc


Vitamin E
Latin America and Caribbean
North America
Middle East and North Africa
Sub-Saharan Africa
East Asia and Pacific
Europe and Central Asia
South Asia
Iron
South Asia
Middle East and North Africa
Sub-Saharan Africa
Europe and Central Asia
Latin America and Caribbean
East Asia and Pacific
North America
Calcium
South Asia
Sub-Saharan Africa
East Asia and Pacific
Latin America and Caribbean
Middle East and North Africa
Europe and Central Asia
North America
Riboflavin
South Asia
Sub-Saharan Africa
Latin America and Caribbean
East Asia and Pacific
Middle East and North Africa
Europe and Central Asia
North America
Folate
South Asia
Europe and Central Asia
East Asia and Pacific
Middle East and North Africa
Sub-Saharan Africa
Latin America and Caribbean
North America
Vitamin C
South Asia
East Asia and Pacific
Latin America and Caribbean
North America
Middle East and North Africa
Europe and Central Asia
Sub-Saharan Africa
Vitamin B6
South Asia
Latin America and Caribbean
East Asia and Pacific
Middle East and North Africa
Sub-Saharan Africa
Europe and Central Asia
North America
Iodine
Sub-Saharan Africa
South Asia
Europe and Central Asia
East Asia and Pacific
Middle East and North Africa
Latin America and Caribbean
North America
Vitamin B12
South Asia
Sub-Saharan Africa
East Asia and Pacific
Latin America and Caribbean
Middle East and North Africa
Europe and Central Asia
North America
Zinc
South Asia
Middle East and North Africa
Sub-Saharan Africa
Latin America and Caribbean
Europe and Central Asia
East Asia and Pacific
North America
Vitamin A (RAE)
South Asia
East Asia and Pacific
Middle East and North Africa
Latin America and Caribbean
North America
Europe and Central Asia
Sub-Saharan Africa
Magnesium
Latin America and Caribbean
East Asia and Pacific
Europe and Central Asia
Middle East and North Africa
North America
Sub-Saharan Africa
South Asia
Thiamin
East Asia and Pacific
Europe and Central Asia
Latin America and Caribbean
South Asia
Middle East and North Africa
Sub-Saharan Africa
North America
Niacin
Sub-Saharan Africa
East Asia and Pacific
Latin America and Caribbean
South Asia
Middle East and North Africa
Europe and Central Asia
North America
Selenium
Europe and Central Asia
South Asia
Latin America and Caribbean
Sub-Saharan Africa
East Asia and Pacific
North America
Middle East and North Africa
15-19
20-24
25-29
30-34
35-39
40-44
45-49
Age range (yr)
Proportion of population with inadequate intake among women of reproductive age (%)
0%
25%
50%
75%
100%

Micronutrient	Change, % (95% CI)	P value
Iron	14.9 (−9.4, 39.1)	0.230
Vitamin E	4.4 (−37.1, 46.0)	0.835
Vitamin B12	4.3 (−19.5, 28.0)	0.725
Selenium	−1.6 (−45.4, 42.1)	0.941
Riboflavin	−2.7 (−24.3, 18.9)	0.805
Calcium	−5.4 (−15.2, 4.3)	0.273
Vitamin A (RAE)	−5.8 (−32.2, 20.7)	0.670
Thiamin	−7.9 (−31.1, 15.3)	0.504
Zinc	−9.6 (−33.1, 13.9)	0.424
Iodine	−10.3 (−78.6, 58.0)	0.768
Folate	−13.4 (−46.7, 19.9)	0.431
Vitamin B6	−18.2 (−41.8, 5.4)	0.131
Vitamin C	−19.8 (−35.0, −4.6)	0.011
Niacin	−27.1 (−45.7, −8.5)	0.004
Magnesium	−27.4 (−49.8, −4.9)	0.017

Prevalence of intake inadequacy



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