



# Zimbabwe

## Sectoral Scenarios for Zimbabwe

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## Table of contents

Sectoral Scenarios for Zimbabwe	3
Stability scenario	3
Demographic scenario	6
Health/WaSH scenario	10
Agriculture scenario	12
Education scenario	16
Manufacturing scenario	20
Leapfrogging scenario	24
Free Trade scenario	29
Financial Flows scenario	32
Infrastructure scenario	37
Governance scenario	41
Impact of scenarios on carbon emissions	44
Endnotes	46
Donors and Sponsors	46
Reuse our work	46
Cite this research	46

## Sectoral Scenarios for Zimbabwe

- Stability scenario
- Demographic scenario
- Health/WaSH scenario
- Agriculture scenario
- Education scenario
- Manufacturing scenario
- Leapfrogging scenario
- Free Trade scenario
- Financial Flows scenario
- Infrastructure scenario
- Governance scenario
- Impact of scenarios on carbon emissions



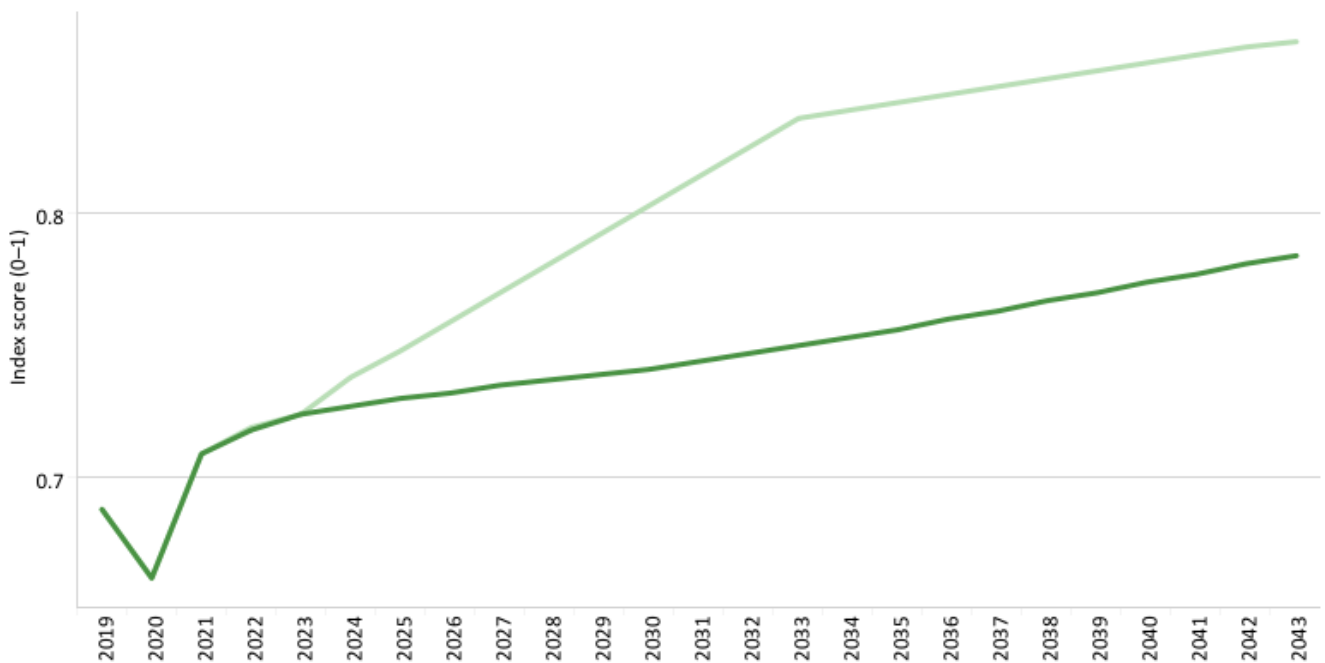
### Stability scenario

Chart 2 Chart 3 Chart 5 Chart 6 Chart 7 Chart 8 Chart 9 Chart 10 Chart 11 Chart 12 Chart 13 >

Chart 13: Governance security in CP and Stability scenario, 2019–2043  
IFs index 0–1



Zimbabwe



Zimbabwe, Current P... Zimbabwe, Stability

Source: IFs 7.63 governance security index using internal war and government risk

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The Stability scenario represents reasonable but ambitious reductions in risk of regime instability and lower levels of

internal conflict. Stability is generally a prerequisite for other aspects of development and this would encourage inflows of foreign direct investment (FDI) and improve business confidence. Better governance through the accountability that follows substantive democracy is modelled separately.

The intervention is explained [here](#) in the thematic part of the website.

The governance security index captures the probability of internal war and vulnerability to conflict. Zimbabwe scores similarly to the average of lower middle-income Africa on this index, reflecting the country's struggle to consolidate its democracy as it progresses from its history of state-centric command and control approach to governance.

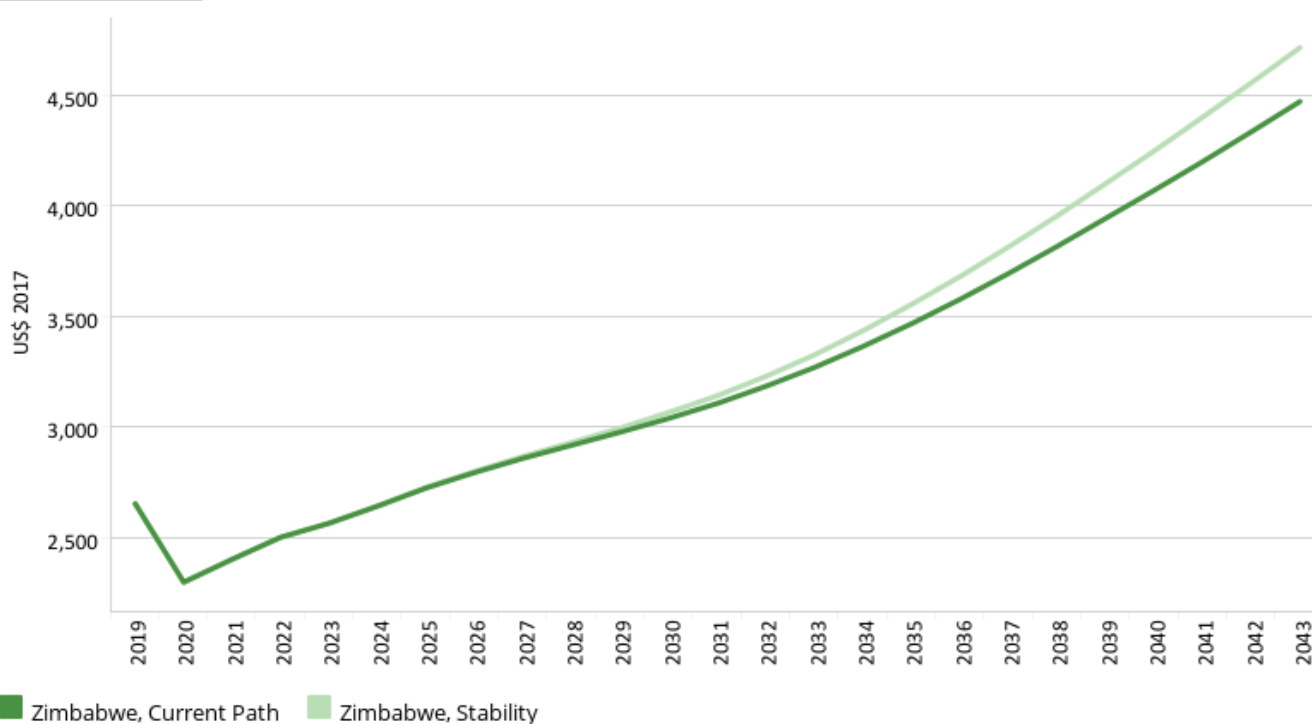
In the Stability scenario, Zimbabwe's score on the governance security index improves dramatically over the next decade, which would increase the country's levels of government capacity and societal inclusion, creating a foundation for peace and economic prosperity. Conversely, on the Current Path, Zimbabwe's score increases only modestly.

▼ < Chart 9 Chart 10 Chart 11 Chart 12 Chart 13 Chart 14 Chart 15 Chart 16 Chart 17 Chart 18 Chart 1 >

**Chart 14: GDP per capita in CP and Stability scenario, 2019–2043**  
Purchasing power parity



Zimbabwe ▼



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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The ambitious but achievable improvements modelled in the Stability scenario result in only modest average income growth over the long term compared to the Current Path forecast. Measured using GDP per capita, average incomes reach US\$4 712 by 2043 in the Stability scenario. In the Current Path forecast, average incomes only reach US\$4 469.

Thus, in the Stability scenario, average incomes are US\$243 greater in 2043 than on the Current Path, reflecting the modest yet positive effect of greater stability. An important reason for these limited improvements is that the FDI flows that follow more stability come from a very low base in Zimbabwe. For perspective, even in the Stability scenario, the

average income in lower middle-income Africa remains more than twice that of Zimbabwe over the forecast horizon. Clearly, more than improvements in governance will be necessary to grow incomes in the country.

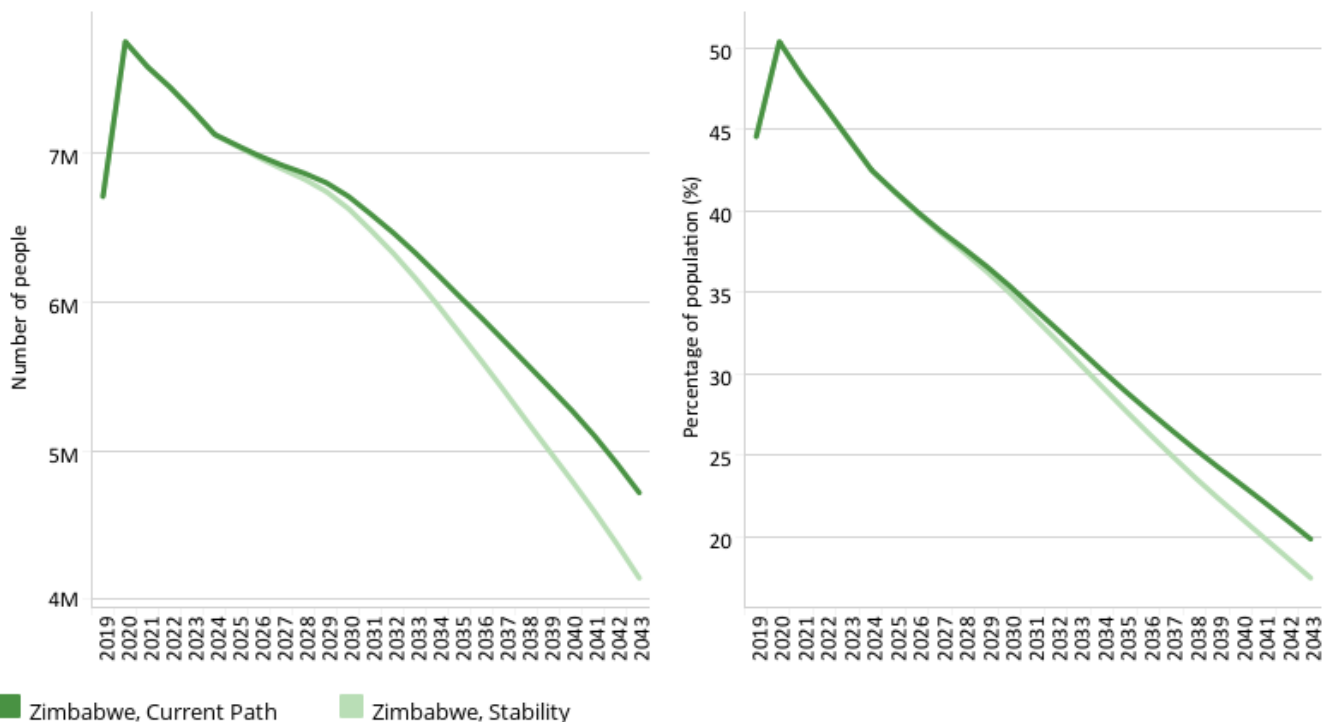
Chart 10 Chart 11 Chart 12 Chart 13 Chart 14 Chart 15 Chart 16 Chart 17 Chart 18 Chart 19 Chart 20

### Chart 15: Poverty in CP and Stability scenario, 2019–2043

Millions of people and % of total population



Zimbabwe \$3.20



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and DevPalNet World Bank data

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Poverty remains a critical issue across Zimbabwe, particularly in rural areas. In the Current Path forecast, both the absolute number of Zimbabweans living below the lower middle-income poverty line of US\$3.20 per day and the poverty rate are projected to decrease. However, one out of five Zimbabweans (nearly 5 million people) are projected to be living in poverty by 2043 on the Current Path.

In the Stability scenario, poverty in Zimbabwe decreases slightly more rapidly to approximately 17% in 2043, or to nearly 4 million people.

As a multidimensional and extremely challenging issue, addressing poverty will require concerted efforts from the Zimbabwean government, the private sector, and international actors.



## Demographic scenario

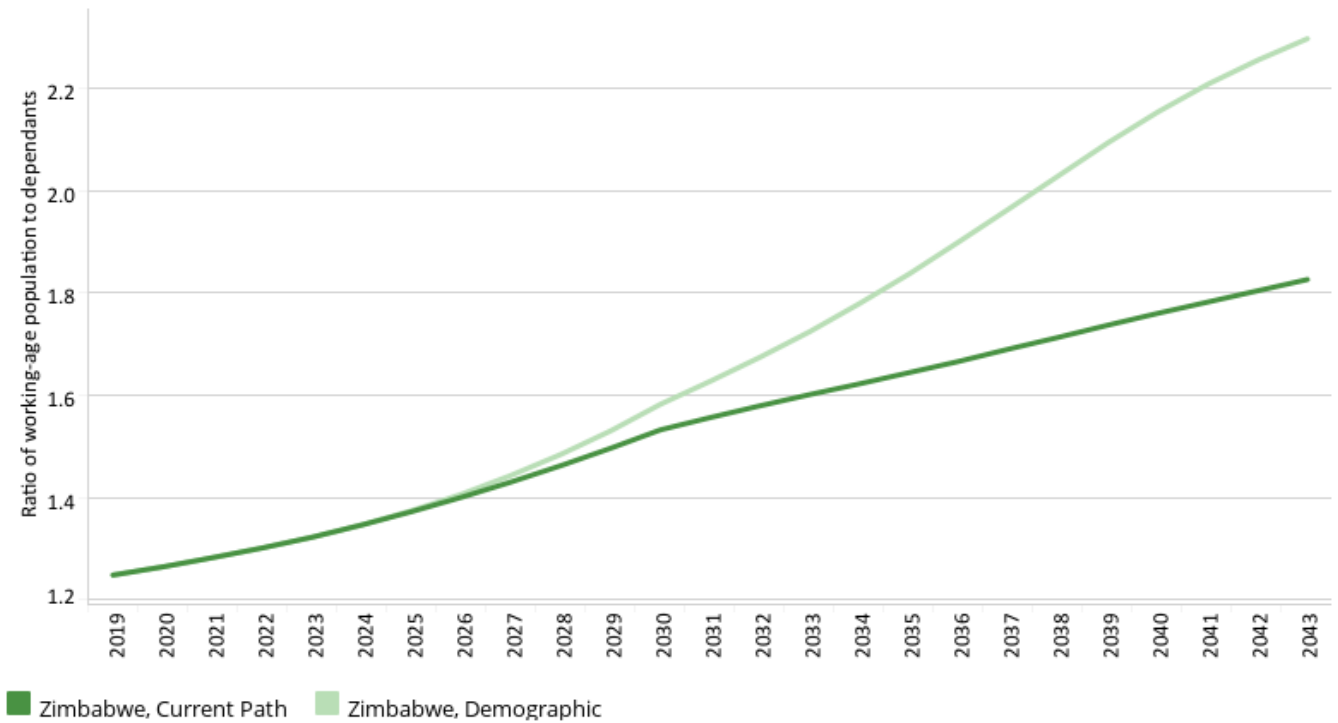
Chart 11 Chart 12 Chart 13 Chart 14 Chart 15 Chart 16 Chart 17 Chart 18 Chart 19 Chart 20 Chart 21

### Chart 16: Demographic dividend in CP and Demog scenario, 2019–2043

Ratio of working-age population to dependants



Zimbabwe



Source: IFs 7.63 initialising from UN Population Division Population Prospects

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This section presents the impact of a Demographic scenario that aims to hasten and increase the demographic dividend through reasonable but ambitious reductions in the communicable-disease burden for children under five, the maternal mortality ratio and increased access to modern contraception.

The intervention is explained [here](#) in the thematic part of the website.

Demographers typically differentiate between a first, second and even a third demographic dividend. We focus here on the contribution of the size of the labour force (between 15 and 64 years of age) relative to dependants (children and the elderly) as part of the first dividend. A window of opportunity opens when the ratio of the working-age population to dependants is equal to or surpasses 1.7.

However, the existence of a favourable age structure does not automatically generate economic growth. People must also have access to clean water and sanitation facilities, sufficient food and quality education and jobs.

Presently, half of Zimbabwe's population is under the age of 19, while 45% of the population is under the age of 15.

This translates into only 1.3 working-age persons (aged 15–64) for every dependant, which is fairly average for Southern Africa. This low ratio is, however, improving. By 2043, Zimbabwe is projected to have nearly 1.8 working-age persons for

every dependant in the Current Path forecast. This ratio is expected to peak in 2060 at 2.2 working-age persons for every dependant – several years ahead of the average of Africa’s low-income and lower middle-income countries.

In the Demographic scenario, Zimbabwe will reach a ratio of 1.7 working-age persons for every dependant by the early 2030s — roughly five years earlier than on the Current Path.

The state of Zimbabwe’s healthcare system, infrastructure and economy suggest that in the Current Path forecast, Zimbabwe may not benefit from the economic benefits of its demographic dividend. Chronic food insecurity has resulted in high rates of hunger and malnutrition, and rather than more rapid growth, Zimbabwe may reap only the negative consequences of its youthful population structure such as the instability often associated with a large youth bulge.

In addition to access to modern contraceptives and improved basic healthcare, improving the accessibility and quality of education for girls and women is among the most widely cited strategies in countries with large dependant youth populations to accelerate the demographic transition. This is because the higher a woman’s level of educational attainment, the fewer children she is likely to have. And, in general, fewer children per woman and delayed childbearing and marriage translates into more resources available for education and health per child. [1]

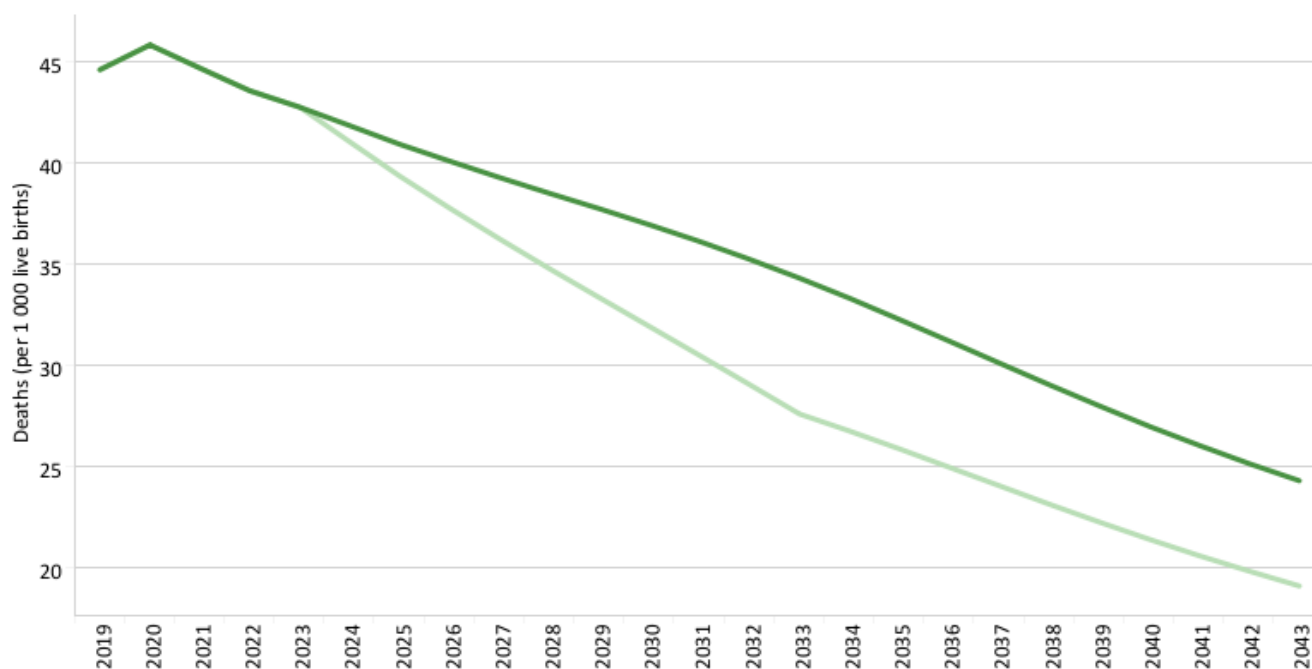
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### Chart 17: Infant mortality in CP and Demog scenario, 2019–2043

Deaths per 1 000 live births



Zimbabwe ▼



Zimbabwe. Current Path Zimbabwe. Demographic

Source: IFs 7.63 initialising from Institute for Health Metrics and Evaluation Mortality Visualization Tool data

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The infant mortality rate is the number of infant deaths per 1 000 live births and is an important marker of the overall quality of the health system in a country.

The HIV/AIDS epidemic has had devastating consequences for health in Zimbabwe, its impact clear across most health

indicators, including infant mortality. Because the effects of the epidemic are long term, the effect is visible when comparing trends in Zimbabwe with its regional and income peers that were less affected by the epidemic.

Historically, Zimbabwe has had lower infant mortality rates than its regional and income peers, suggesting a healthier population, but has steadily been losing ground. From 1960 to 1990, the infant mortality rate declined from 100 to 59 deaths per 1 000 live births, coinciding with a reduction in the global average infant mortality rate over this period. Over this same period, the average infant mortality rates in the rest of Southern Africa and in other lower middle-income African countries were substantially higher, though also declining.

But from 1990 until 2000, Zimbabwe’s infant mortality rate rose to 66 deaths per 1 000 live births before beginning to improve again slowly. In 2019, infant mortality was 45 per 1 000 live births – among the 30 highest infant mortality rates in the world. By 2043, infant mortality in Zimbabwe is projected to decline to 24 deaths per 1 000 live births (roughly the same as in low-income and lower middle-income Africa).

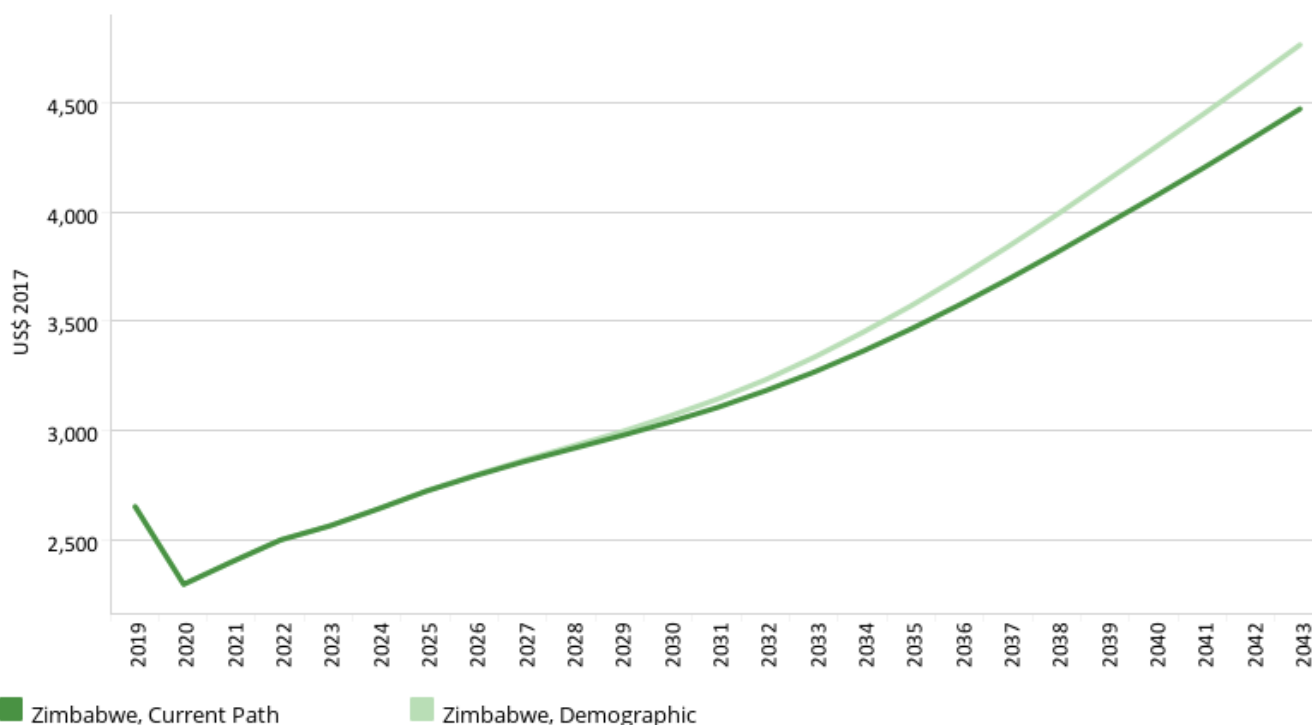
In the Demographic scenario, Zimbabwe’s infant mortality rate decreases more rapidly to 19 deaths per 1 000 live births, indicating the progress that could be achieved with lower child and maternal mortality and increased contraceptive use.

Chart 13 Chart 14 Chart 15 Chart 16 Chart 17 Chart 18 Chart 19 Chart 20 Chart 21 Chart 22 Chart

Chart 18: GDP per capita in CP and Demog scenario, 2019–2043  
Purchasing power parity



Zimbabwe



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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Average incomes in Zimbabwe are far lower than the average in lower middle-income Africa. On the Current Path, the average income in Zimbabwe will reach US\$4 469 by 2043 — still far below its income peers.

GDP per capita in Zimbabwe grows more rapidly in the Demographic scenario, but only slightly. By 2043, GDP per capita



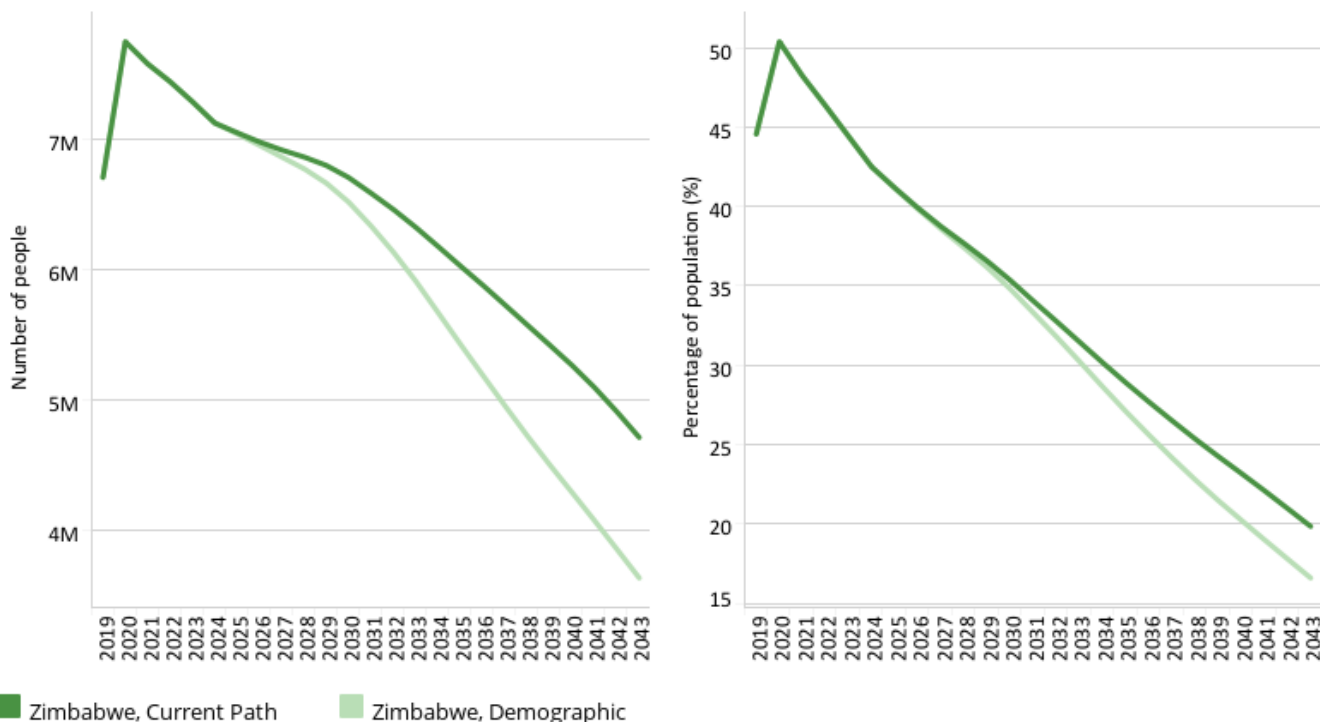
reaches US\$4 761 in the Demographic scenario — only US\$292 greater than the Current Path forecast for that year. Indeed, Zimbabwe’s ailing economy and widespread poverty require dramatic interventions that span across sectors; changes in healthcare policy and infrastructure alone will not suffice but are a good starting point.

### Chart 19: Poverty in CP and Demog scenario, 2019–2043

Millions of people and % of total population



Zimbabwe \$3.20



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and PovcalNet World Bank data

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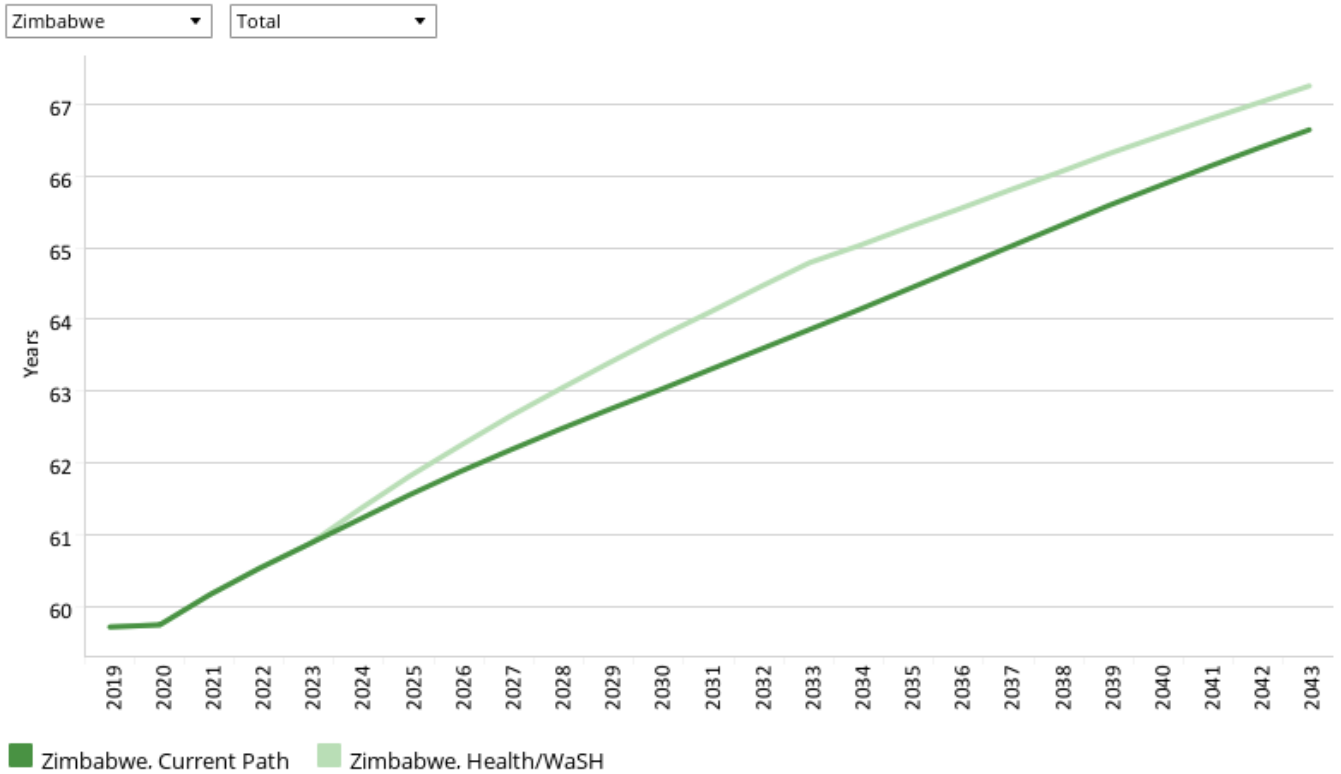
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More than four out of every five Zimbabweans (6.7 million people) live below the lower middle-income poverty line of US\$3.20 per day. On the Current Path, the number of poor Zimbabweans will fall to 4.7 million by 2043, or one out of every five people.

In the Demographic scenario, poverty falls more rapidly to 3.6 million people by 2043 — approximately 17% of the population. While any amount of poverty warrants concern and immediate action, it is not insignificant that there are one million fewer Zimbabweans living in poverty by 2043 in the Demographic scenario than on the Current Path. Improving access to healthcare (particularly reproductive healthcare) and reducing the communicable-disease burden — which is significant in Zimbabwe — is an effective starting point to address poverty.



Chart 20: Life expectancy in CP and Health/WaSH scenario, 2019–2043



Source: IFs 7.63 initialising from Institute for Health Metrics Evaluation GBD Foresight Tool data

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This section presents reasonable but ambitious improvements in the Health/WaSH scenario, which include reductions in the mortality rate associated with both communicable diseases (e.g. AIDS, diarrhoea, malaria and respiratory infections) and non-communicable diseases (NCDs) (e.g. diabetes), as well as improvements in access to safe water and better sanitation. The acronym WaSH stands for water, sanitation and hygiene.

The intervention is explained [here](#) in the thematic part of the website.

The HIV/AIDS epidemic has had devastating consequences for health in Zimbabwe, and its impact is most evident in Zimbabwe’s historical life expectancy. In 1980, Zimbabwe’s life expectancy of 59 years ranked eighth highest in Africa, above even countries such as Egypt and Algeria. By 2019, Zimbabwe’s life expectancy had fallen to the 46th highest in Africa, although AIDS-related death rates peaked in 2003/04 and have come down rapidly thereafter.

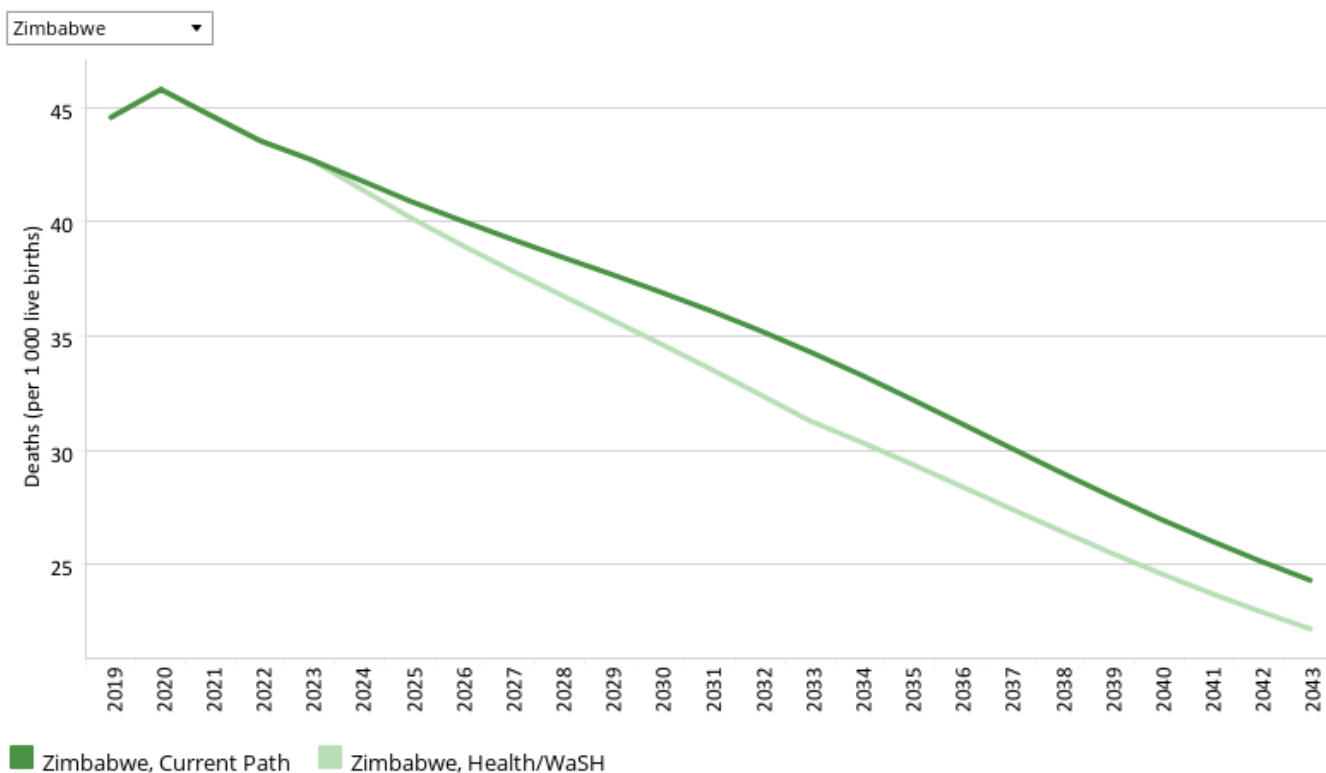
From the beginning of the epidemic in the mid-1980s to 2000, Zimbabwe suffered the highest HIV/AIDS death rate in the world. In 1985, average life expectancy began to decline, reaching a low of 46 years (among the lowest in the world) in 2000 before beginning to recover, thanks in part to the establishment of HIV counselling centres in 1999. [2]

Zimbabwe’s 2019 estimated life expectancy of 59.7 was four years below the average for low-income and almost eight years below the average for lower middle-income countries in Africa.

On the Current Path, life expectancy in Zimbabwe is projected to improve at a similar rate to low-income and lower middle-income Africa in the coming decades, reaching 66 years by 2043 compared to 71 years average for low and 73 years for low middle-income African countries. The improved health outcomes and basic infrastructure in the Health/WaSH scenario have a negligible impact on life expectancy in Zimbabwe, evidencing the need for a more comprehensive approach to addressing health issues in the country.

Chart 16 Chart 17 Chart 18 Chart 19 Chart 20 Chart 21 Chart 22 Chart 23 Chart 24 Chart 25 Chart 26

Chart 21: Infant mortality in CP and Health/WaSH scenario, 2019–2043  
Deaths per 1 000 live births



Source: IFs 7.63 initialising from Institute for Health Metrics and Evaluation Mortality Visualization Tool data

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Infant mortality is a critical indicator of the health of a society. In 2019, infant mortality was 45 per 1 000 live births in Zimbabwe – ranking it at 19th highest globally. In the Current Path forecast, infant mortality in Zimbabwe is projected to decline to 22 deaths per 1 000 live births by 2043 (slightly above the Current Path forecast for low-income Africa at 21 deaths but below the average of low middle-income countries in Africa at 30 deaths). In the Health/WaSH scenario, infant mortality declines by two deaths in 2043 compared to the Current Path forecast for that year but remains high. For example, Zimbabwe’s infant mortality rate only falls to the 2019 average rate for upper middle-income Africa (30 deaths per 1 000 live births) by 2037 in the Health/WaSH scenario.



## Agriculture scenario

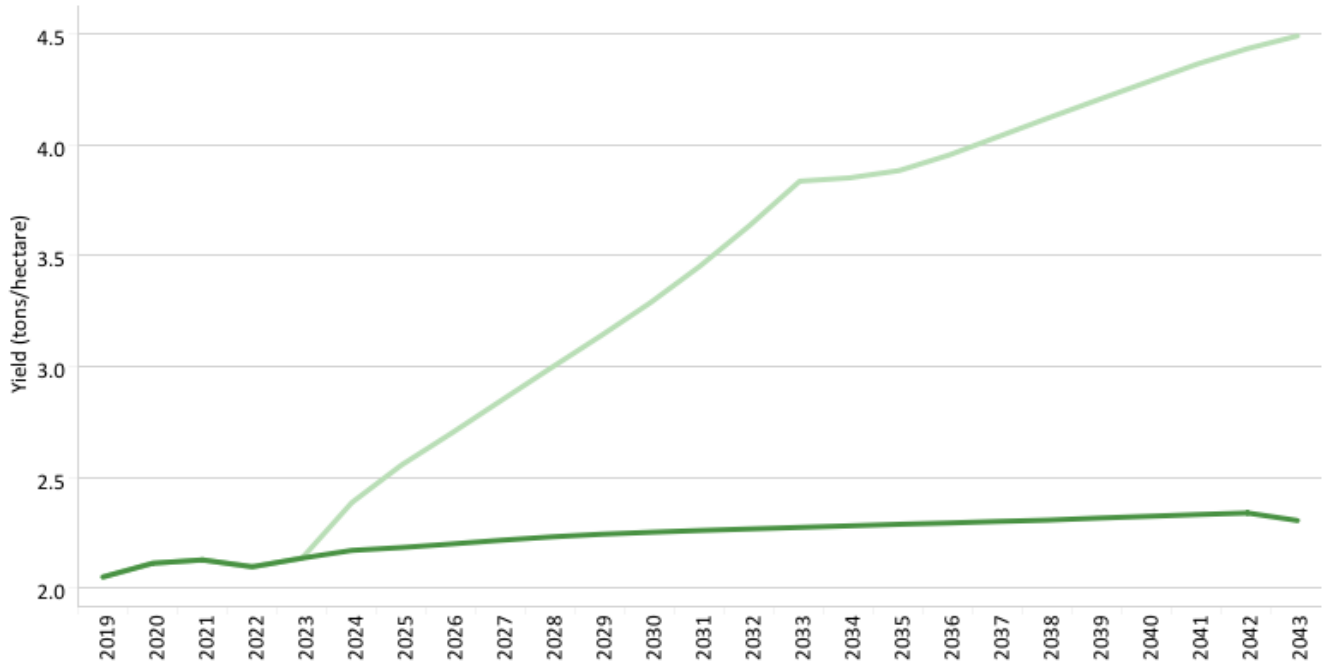
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### Chart 22: Yield/hectare in CP and Agric scenario, 2019–2043

Pre-loss levels



Zimbabwe



Zimbabwe. Current P... Zimbabwe. Agriculture

Source: IFs 7.63 initialising from FAOSTAT on-line statistical service data

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The Agriculture scenario represents reasonable but ambitious increases in yields per hectare (reflecting better management and seed and fertiliser technology), increased land under irrigation and reduced loss and waste. Where appropriate, it includes an increase in calorie consumption, reflecting the prioritisation of food self-sufficiency above food exports as a desirable policy objective.

The intervention is explained [here](#) in the thematic part of the website.

The data on yield per hectare (in metric tons) is for crops but does not distinguish between different categories of crops.

At an estimated 2.05 metric tons per hectare in 2019, Zimbabwe's yields are among the lowest in Africa and have been below the average of low-income Africa since 2005. Average yields in other lower middle-income countries in Africa are more than double that in Zimbabwe. In the Current Path forecast, yields are projected to remain stagnant to 2043 and beyond, although droughts will continue to cause sharp fluctuations in both yield and total agricultural production.

In the Agriculture scenario, Zimbabwe's average yields double by the late-2030s, and reach 4.5 metric tons per hectare by 2043. While this marks a substantial improvement over the Current Path forecast, it remains lower than the average of

lower middle-income Africa throughout the forecast horizon. The impact on total agricultural production is, however, substantial. Instead of 10.6 million metric tons of crops, meat and fish, Zimbabwe will produce 19.4 million tons. Instead of an agriculture sector that contributes US\$2.2 billion to the economy in 2043, the contribution will be US\$4 billion.

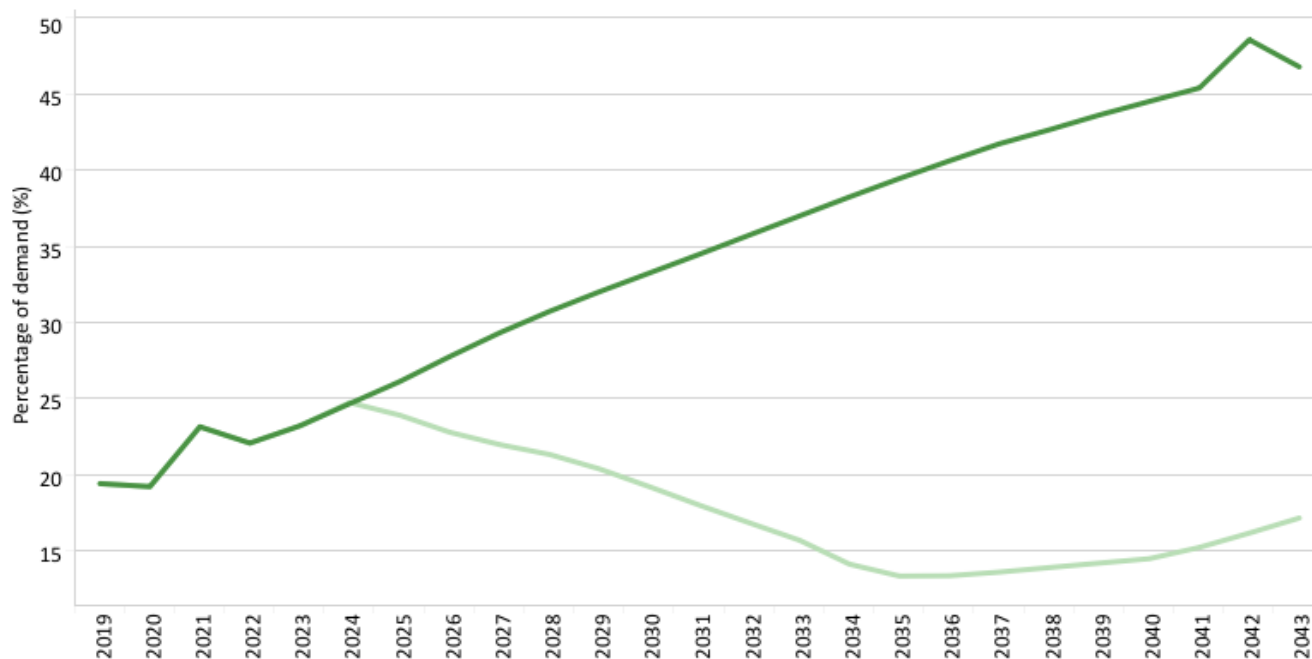
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### Chart 23: Agriculture imports in CP and Agric scenario, 2019–2043

Net imports for meat, crops and fish, % of demand



Zimbabwe



Zimbabwe, Current Path Zimbabwe, Agriculture

Source: IFs 7.63 initialising from Food and Agriculture Organization Food Balance Sheets data

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Zimbabwe relies on 20% of demand being met by food imports from neighbours to meet demand. Within Southern Africa, only Botswana, Lesotho and Namibia depend more on agricultural imports. And the Current Path forecast is alarming: as the Zimbabwean population continues to grow, agricultural production stagnates and climate change negatively affects crop production. As a result, Zimbabwe will rely increasingly on imported food. On the Current Path, by 2045, Zimbabwe will need to import food to meet half of demand — this from a country once considered the breadbasket of the region.

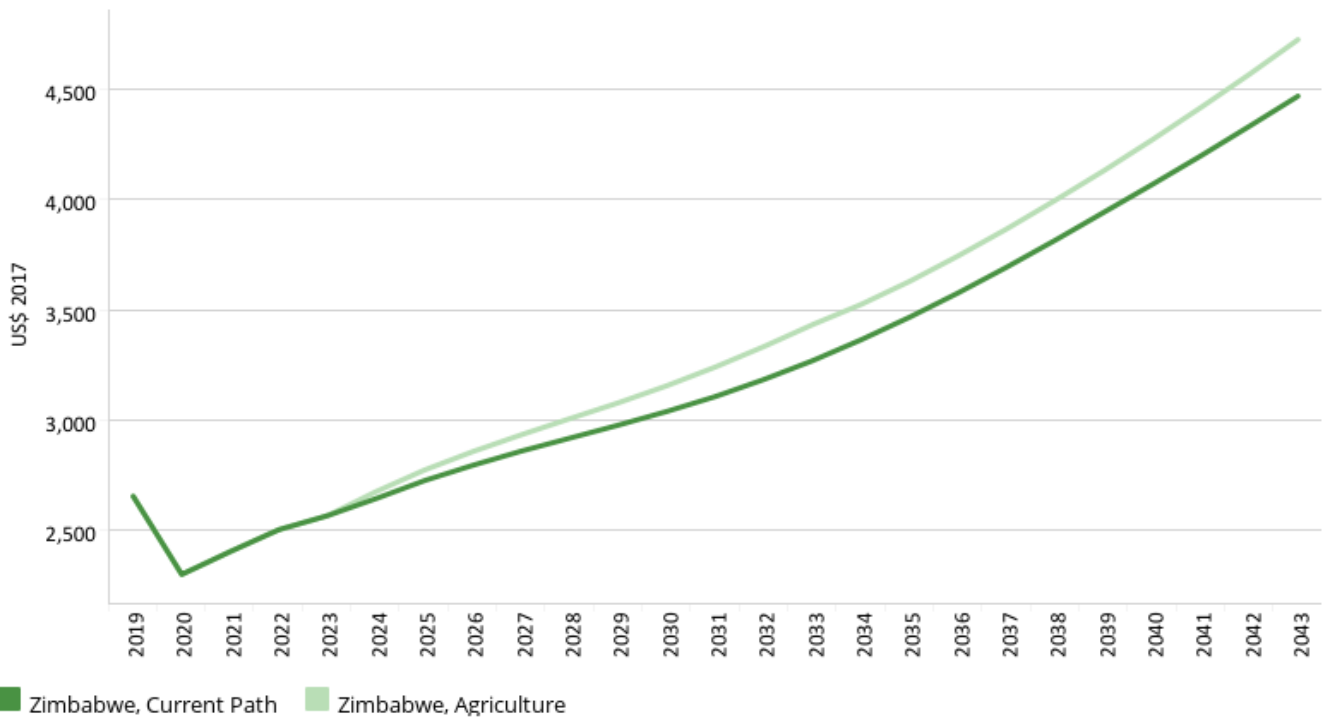
Conversely, in the Agriculture scenario, Zimbabwe’s agricultural import dependence decreases, falling to approximately 13% in 2034 before rising slightly to 17% by 2043. This significant decrease in agricultural import dependence shows that focusing on revitalising the agriculture sector and meeting the food needs of Zimbabweans is well worth it.

### Chart 24: GDP per capita in the CP and Agric scenario, 2019–2043

Purchasing power parity



Zimbabwe ▼



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

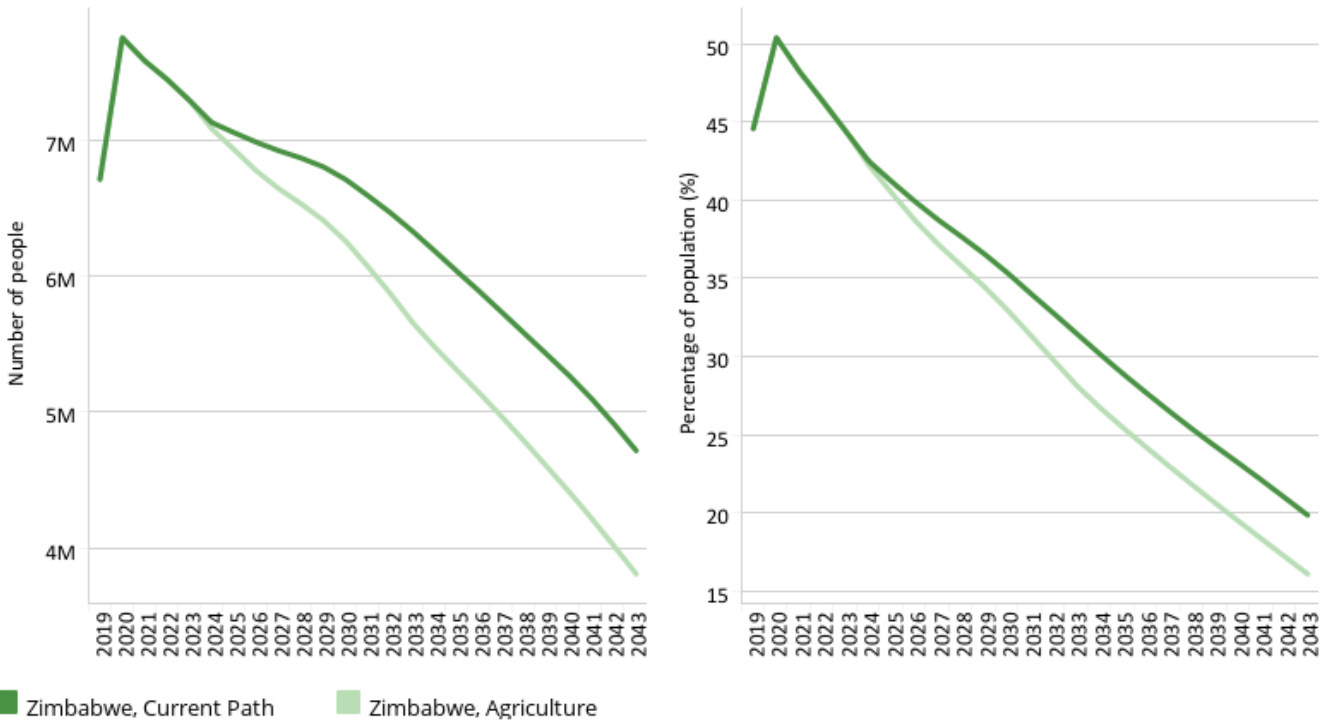
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In the Current Path forecast, average incomes in Zimbabwe grow from their 2019 estimate of US\$2 655 to US\$4 469 by 2043. Because Zimbabwe has such a large informal sector, the impact of the Agriculture scenario on GDP per capita in Zimbabwe is modest — it increases only to US\$4 725 by 2043 — or US\$256 (6% above the 2043 Current Path forecast). This represents a minor improvement over the Current Path, and, compared to the average of lower middle-income Africa, which comes off a much higher base, is modest. With an average GDP per capita of US\$6 989 in 2019, average incomes in lower middle-income Africa are significantly higher than those in Zimbabwe and the impact of the Agriculture scenario larger.

**Chart 25: Poverty in CP and Agric scenario, 2019–2043**  
 Millions of people and % of total population



Zimbabwe \$3.20



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and DevPalNet World Bank data

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Poverty remains a widespread phenomenon in Zimbabwe, especially outside of the few main cities. On the Current Path, Zimbabwe’s 2019 poverty rate of 45% will decline to 35% by 2030 and 20% by 2043. In the Agriculture scenario, the poverty rate falls more quickly, reaching 16% by 2043. This translates into approximately 400 000 fewer Zimbabweans living on less than US\$3.20 per day in 2030, and almost a million fewer Zimbabweans in 2043. The dramatic impact of this scenario on poverty reflects how interconnected the Zimbabwean economy is with the agriculture sector, and the extent to which Zimbabwe’s most vulnerable populations depend on subsistence agriculture.



## Education scenario

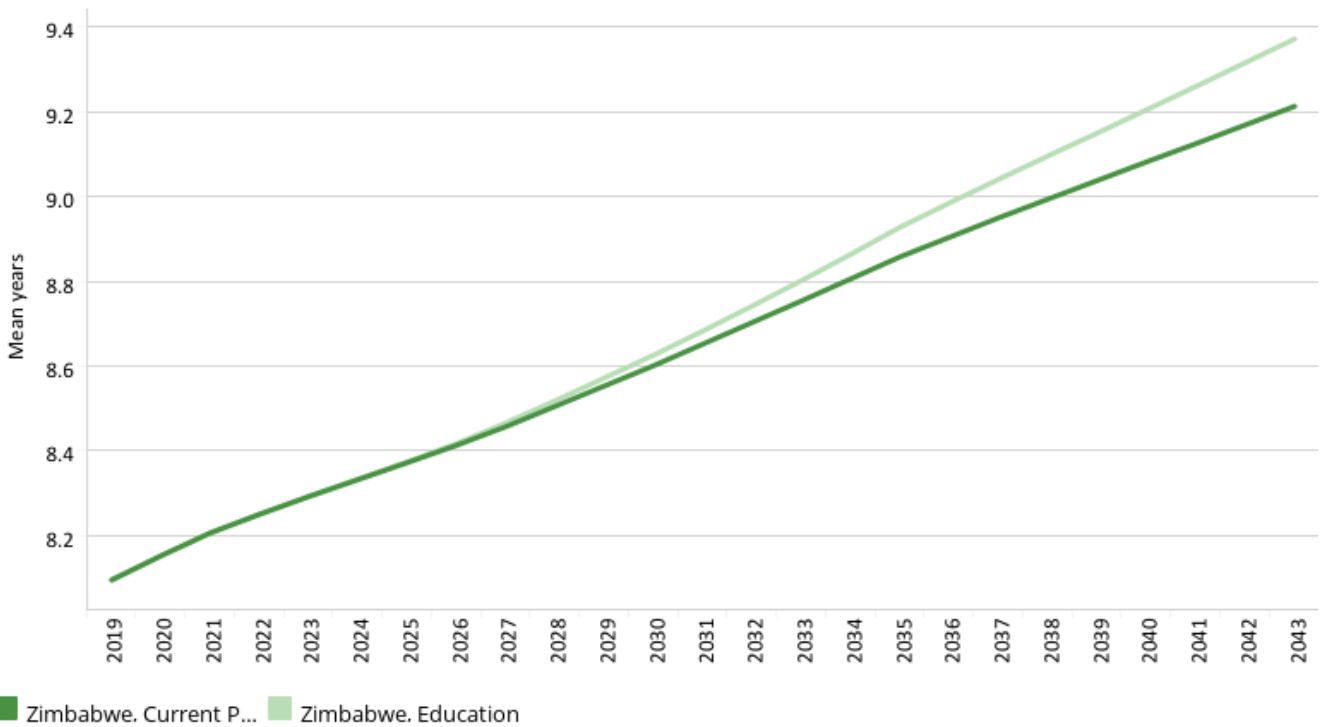
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### Chart 26: Mean years of education in CP and Educ scenario, 2019–2043

Mean years of adult (+15) education



Zimbabwe | Total



Source: IFs 7.63 initialising from Barro-Lee data

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The Education scenario represents reasonable but ambitious improved intake, transition and graduation rates from primary to tertiary levels and better quality of education. It also models substantive progress towards gender parity at all levels, additional vocational training at secondary school level and increases in the share of science and engineering graduates.

The intervention is explained [here](#) in the thematic part of the website.

For many years, relatively high levels of education offered a bright but fragile hope for Zimbabwe’s development. That hope has faded in recent years, although, in 2019, the average Zimbabwean adult (15 years and older) had completed eight years of education — 1.4 years more than his/her counterpart in other lower middle-income African countries.

Additionally, Zimbabwe has achieved gender parity in primary and secondary enrolment, marking a dramatic improvement since the 1980, when male learners far outnumbered female learners, particularly in secondary and tertiary school.

In the Southern African Development Community (SADC), only Botswana, South Africa, the Seychelles and Mauritius (all upper middle-income or high-income economies with GDP per capita between six and 14 times larger than that of Zimbabwe) currently have more educated populations. [3] Globally, other countries with roughly eight years of education



in the adult population include Portugal and Turkey, where GDP per capita is roughly 14 and 12 times higher, respectively, although the quality of education provided is much higher.

Current Path forecasts of educational attainment are positive. The average number of years of education among the population 15 years and older is expected to increase from eight years in 2019 to 8.6 years in 2030 and just over nine years in 2043. And overall, a greater portion of Zimbabweans will attain higher levels of education in 2043 than in 2019.

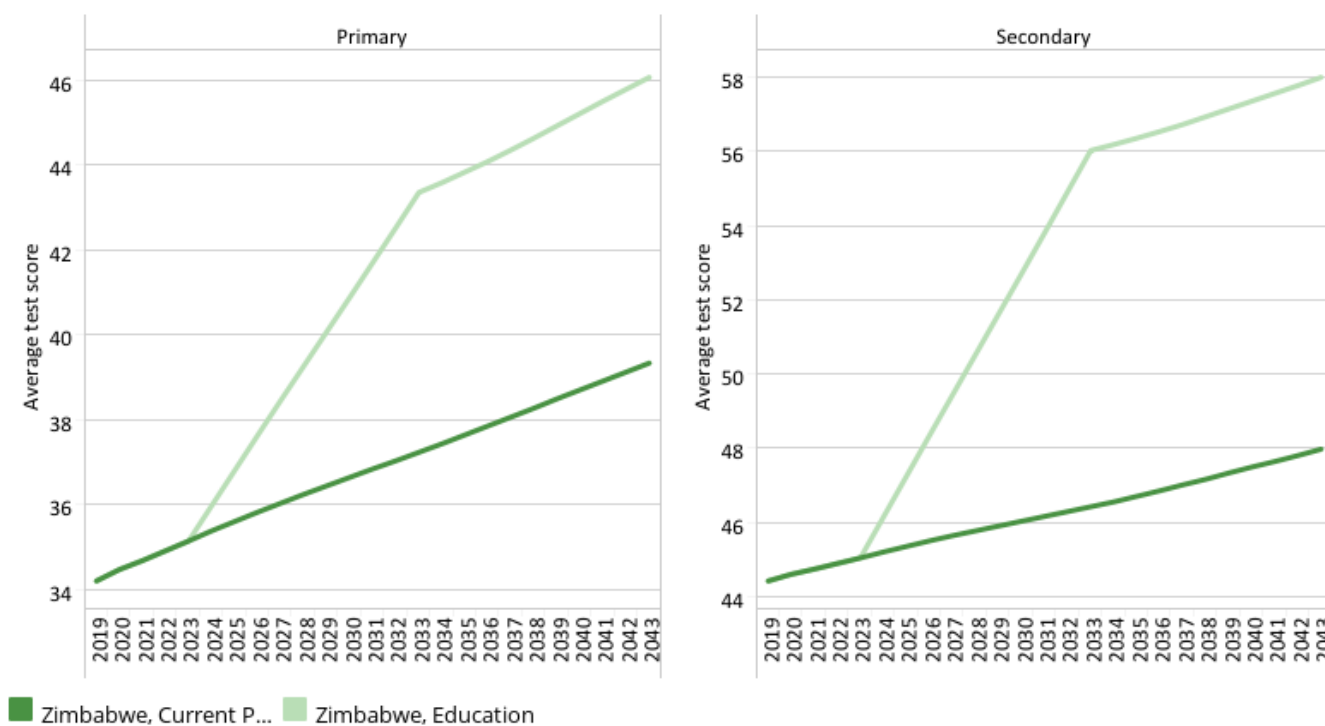
In the Education scenario, the average Zimbabwean adult will have attained 9.4 years of education by 2043, marking only a minor improvement over the Current Path forecast. More than improved educational outcomes will be needed to dramatically impact education levels in the country, including better basic infrastructure for schools and universities and greater food and economic security to enable young learners to attend school.

▼ < [art 22](#) [Chart 23](#) [Chart 24](#) [Chart 25](#) [Chart 26](#) **Chart 27** [Chart 28](#) [Chart 29](#) [Chart 30](#) [Chart 31](#) [Chart](#) >

**Chart 27: Education quality in CP and Educ scenario, 2019–2043**  
Average test scores for primary and secondary learners



Zimbabwe ▼



Source: IFs 7.63 initialising from World Bank EDSTATS

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Following the introduction of free compulsory primary and secondary education after independence in 1980, Zimbabwe’s education system has been a source of pride, but has endured multiple challenges owing to economic, political and monetary crises, and now appears to be on a downward trend.

Average test scores for primary and secondary learners in Zimbabwe are, however, still above the average of lower middle-income Africa. On the Current Path, these test scores will improve only slightly out to 2043. Conversely, they increase significantly in the Education scenario (by 17% above the Current Path forecast in 2043 for primary and 21% for secondary).

Indeed, Zimbabwe performs well in education compared to its income peers — and even compared to the global standard. The Zimbabwe National Statistics Agency (ZimStat) estimates that Zimbabwe had a literacy rate of 94% in 2017 [4] — a bit higher than the IFs estimate of 90%, which would make it the sixth highest in Africa and markedly higher than the average of upper middle-income Africa (86%). About 12% of Zimbabwe’s population of 15 years and older has either no education or incomplete primary education, which is excellent when compared to other lower middle-income Africa (30%).

However Zimbabwe’s education system faces many difficulties. For example, many parents cannot afford the fees needed for secondary school. Additionally, with high levels of skilled outward migration, Zimbabwe’s ratio of qualified teachers to learners has steadily declined over time, an important contributor to the recent decline in the quality of education outcomes in the country. The trend is compounded by underinvestment, poor infrastructure, corruption and low morale. [5]

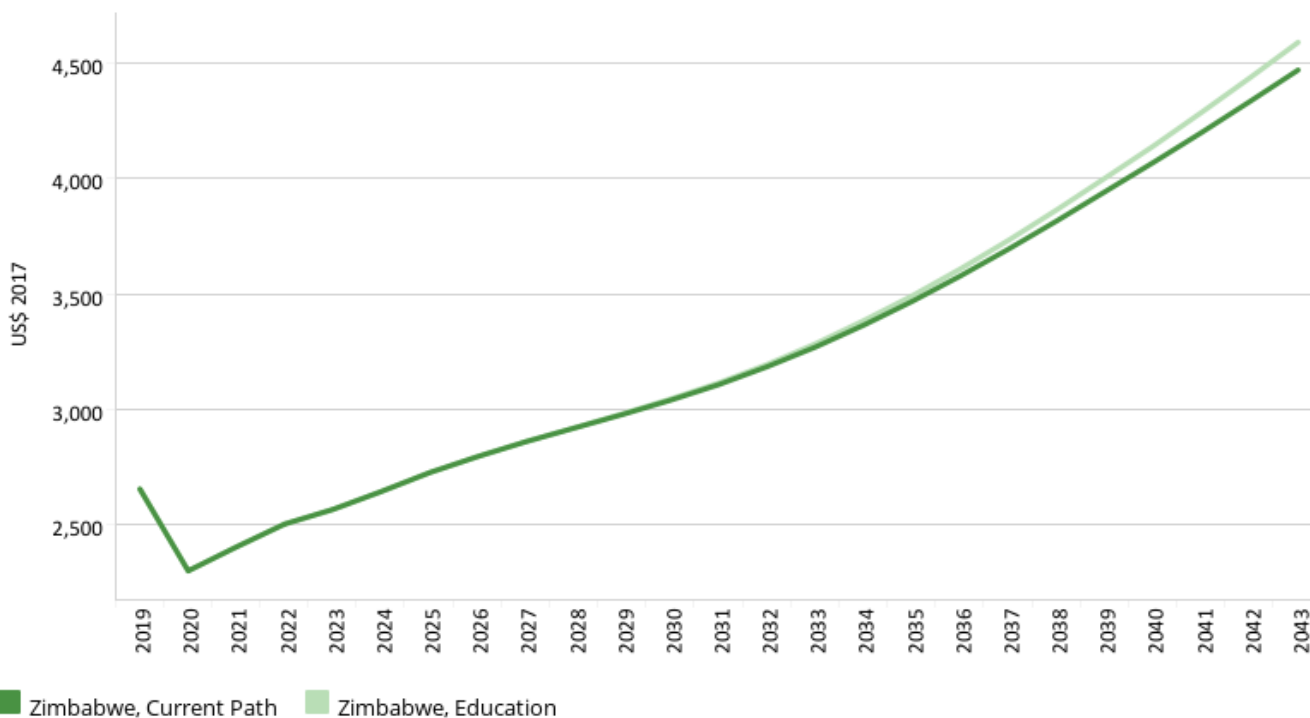
After the 2008 economic crisis, teachers went on strike for an entire year; 94% of rural schools closed and those that remained open had an average 20% attendance rate. [6] Absenteeism is rife and according to the Progressive Teachers Union of Zimbabwe, many teachers have left the country, emigrating mostly to Botswana, South Africa and Namibia. [7] The crisis continues since Zimbabwe’s cash shortage has plunged the country into financial disarray and teachers are demanding pay in US dollars. [8] Beginning in February 2022, after long months of school closures owing to the COVID-19 pandemic, teachers across the country went on strike again. As of early March 2022, the Government of Zimbabwe had not come to a resolution with the multiple teachers unions demanding a living wage and basic rights such as running water at schools. [9]

▼ < art 23 Chart 24 Chart 25 Chart 26 Chart 27 Chart 28 Chart 29 Chart 30 Chart 31 Chart 32 Chart >

**Chart 28: GDP per capita in CP and Educ scenario, 2019–2043**  
Purchasing power parity



Zimbabwe ▼



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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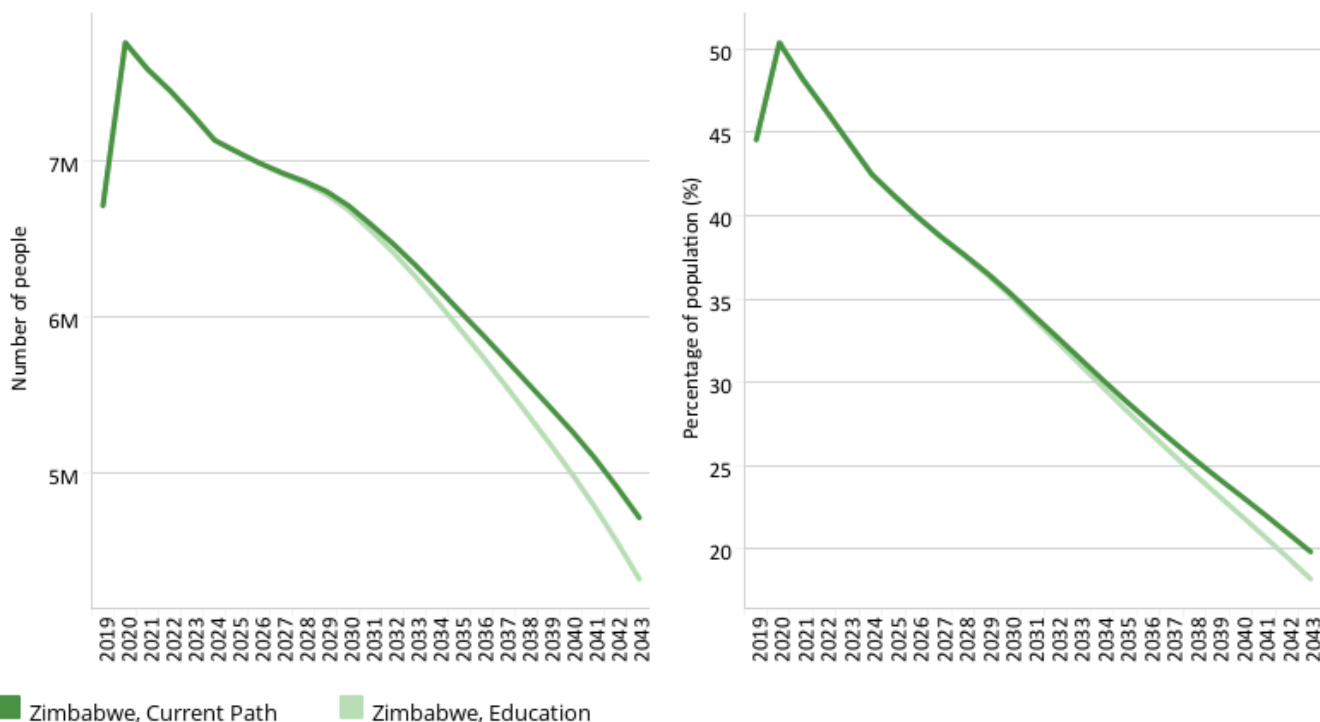
On the Current Path, the average GDP per capita in Zimbabwe rises from the 2019 estimated average of US\$2 655 to US\$3 040 by 2030 and US\$4 469 by 2043. In the Education scenario, average incomes in Zimbabwe increase but negligibly given the inertia in the system. Even by 2043, the average Zimbabwean would only be earning US\$120 more in the Education scenario than on the Current Path. Clearly, a cross-sectoral approach to improving livelihoods in Zimbabwe is necessary.

▼ < art 24 Chart 25 Chart 26 Chart 27 Chart 28 Chart 29 Chart 30 Chart 31 Chart 32 Chart 33 Chart >

**Chart 29: Poverty in CP and Educ scenario, 2019–2043**  
Millions of people and % of total population



Zimbabwe \$3.20



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and PovulNet World Bank data

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Dire poverty, particularly outside of the cities, is among Zimbabwe’s most pressing and complex challenges. In 2019, approximately 45% of the Zimbabwean population lived below the poverty line for lower middle-income countries (US\$3.20 per day). On the Current Path, this rate falls to 20% — one out of every five people — by 2043.

The improved educational outcomes modelled in the Education scenario help to accelerate poverty reduction, but only over the long term. By 2043, the poverty rate falls to roughly 18% by 2043 in the Education scenario — about two percentage points lower than the Current Path. This means that, in 2043, there would be approximately 400 million fewer people living below the poverty line in Zimbabwe. The Education scenario thus positively impacts livelihoods in Zimbabwe but is not sufficient to dramatically reduce poverty in the country.



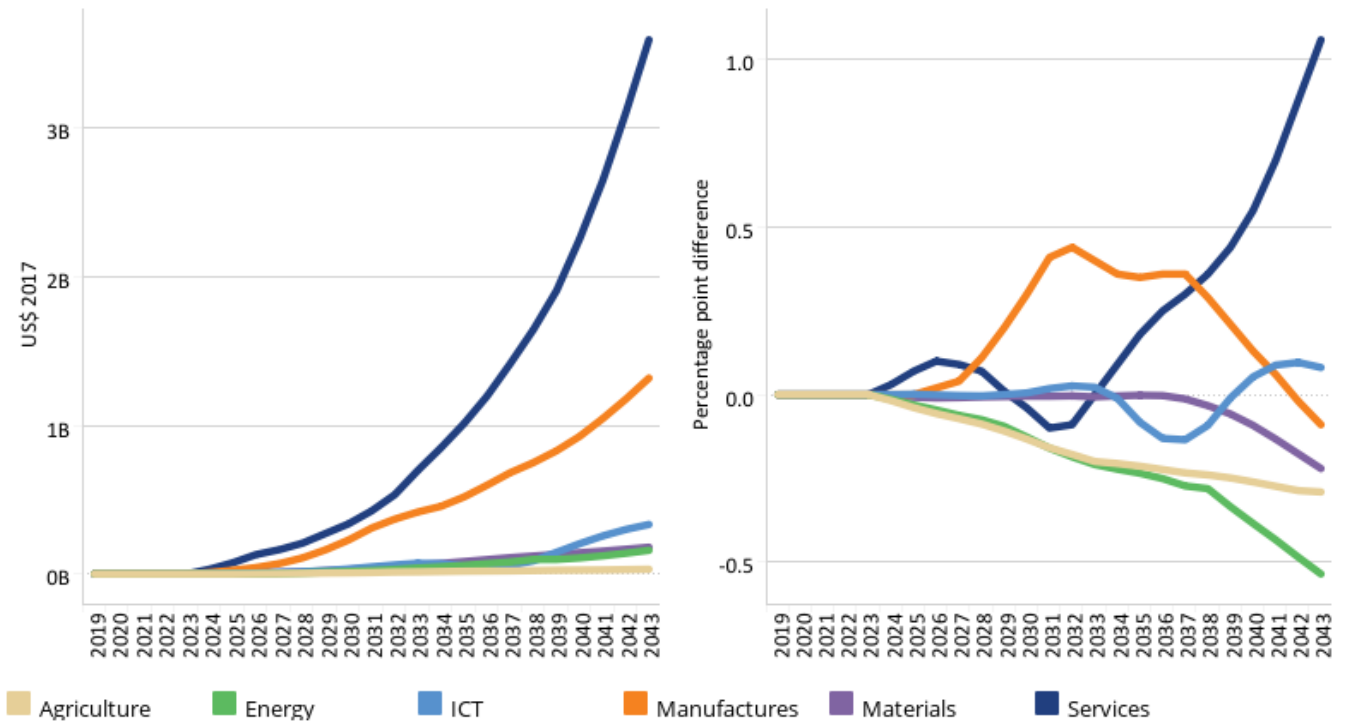
## Manufacturing scenario

Chart 25 Chart 26 Chart 27 Chart 28 Chart 29 Chart 30 Chart 31 Chart 32 Chart 33 Chart 34 Chart

### Chart 30: Value added by sector in CP and Manufac/Transfers scenario, 2019-2043



Zimbabwe



Source: IFs 7.63 initialising from International Monetary Fund World Economic Outlook database

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The Manufacturing/Transfers scenario represents reasonable but ambitious manufacturing growth through greater investment in the economy, investments in research and development, and promotion of the export of manufactured goods. It is accompanied by an increase in welfare transfers (social grants) to moderate the initial increases in inequality that are typically associated with a manufacturing transition. To this end, the scenario improves tax administration and increases government revenues.

The intervention is explained [here](#) in the thematic part of the website.

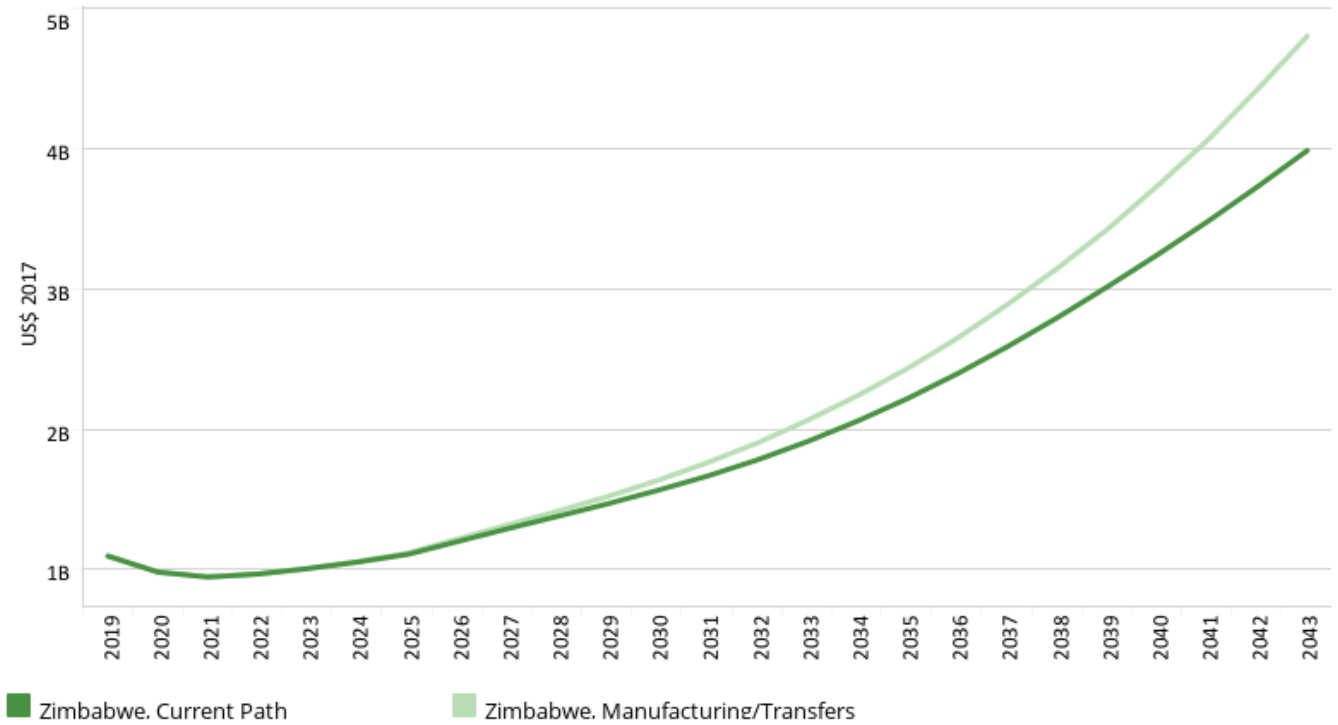
Chart 30 should be read with [Chart 8](#) that presents a stacked area graph on the contribution to GDP and size, in billion US\$, of the Current Path economy for each of the sectors.

In the Manufacturing/Transfers scenario, the contribution of manufacturing to GDP grows the most relative to the Current Path forecast: by the early 2030s, manufacturing contribute roughly half of a percentage point more (US\$300 million) to the economy than on the Current Path. However, in the long term, the contribution of services to GDP grows the most, experiencing the biggest leap from the late-2030s onward: by 2043, services contribute approximately one percentage point more (US\$3.6 billion) to the economy than on the Current Path. Conversely, the value added of Zimbabwe's agriculture and energy sectors falls by a quarter of a percentage point and a half of a percentage point, respectively, in the Manufacturing/Transfers scenario compared to the Current Path.

Chart 31: Gov welfare transfers in CP and Manufac/Transfers scenario, 2019-2043



Zimbabwe



Source: IFs 7.63 initialising from World Development Indicators data

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Navigation icons: back, forward, refresh, search, share

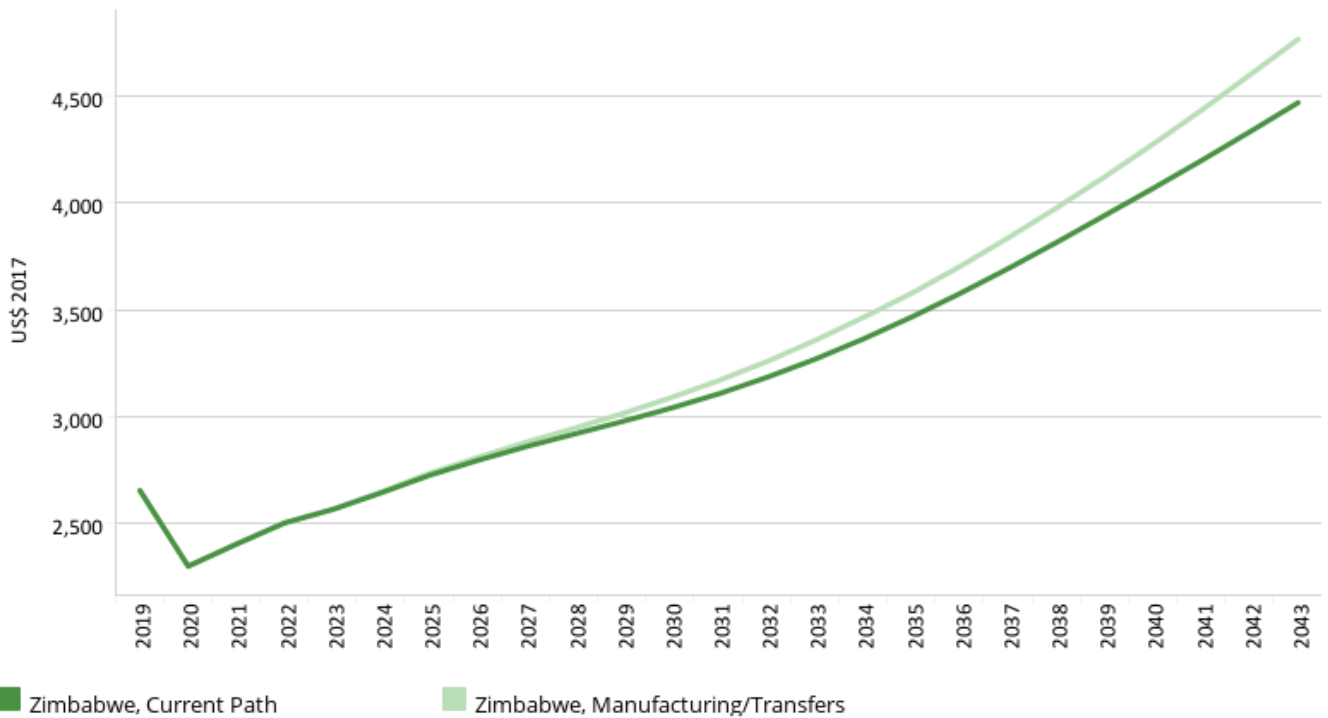
A substantial body of literature evidences the efficacy of cash transfer programmes to combat poverty. In the Manufacturing/Transfers scenario, cash transfers from the Zimbabwean government to vulnerable populations grow from roughly US\$1.1 billion in 2019 to US\$1.6 billion in 2030 and US\$4.8 billion in 2043. Conversely, on the Current Path, transfers reach a maximum of only US\$4 billion.

### Chart 32: GDP per capita in CP and Manufac/Transfers scenario, 2019–2043

Purchasing power parity



Zimbabwe



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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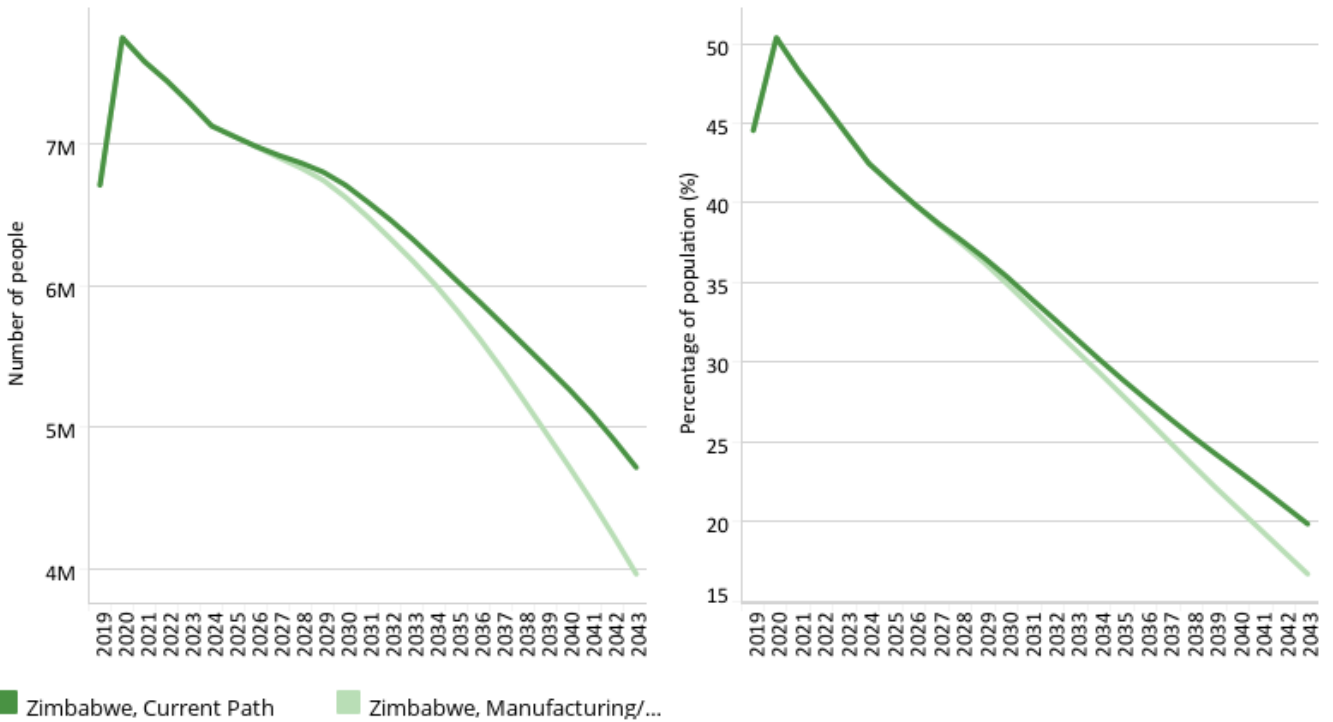
In the Current Path, Zimbabwe’s average incomes reach US\$3 040 by 2030 and US\$4 469 by 2043. In the Manufacturing/Transfers scenario, average incomes in Zimbabwe increase more rapidly than on the Current Path, reaching US\$3 089 by 2030 and US\$4 765 by 2043 — roughly US\$300 greater than the Current Path forecast for that year.

The modest impact of the Manufacturing/Transfers scenario on livelihoods in Zimbabwe reflects, among other issues, the dire state of the Zimbabwean economy, including the challenge of improving productivity in an economy dominated by the informal service sector in urban areas and subsistence farming. Indeed, even in the Manufacturing/Transfers scenario, the average Zimbabwean earns approximately half of his/her average counterpart in lower middle-income Africa.

**Chart 33: Poverty in CP and Manufac/Transfers scenario, 2019–2043**  
Millions of people and % of total population



Zimbabwe \$3.20



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and DevPalNat World Bank data

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On the Current Path, Zimbabwe’s 2019 estimated poverty rate of 45% will decrease slowly to 20% by 2043. In the Manufacturing/Transfers scenario, the number of people in Zimbabwe living on less than US\$3.20 per day — the poverty rate for lower middle-income countries — falls more rapidly, decreasing to approximately 4 million people (17%) by 2043, compared to the Current Path forecast of 4.7 million people for that year.

While the Manufacturing/Transfers scenario helps to alleviate poverty in Zimbabwe, a more concerted, whole-of-government approach to addressing poverty in Zimbabwe is necessary.



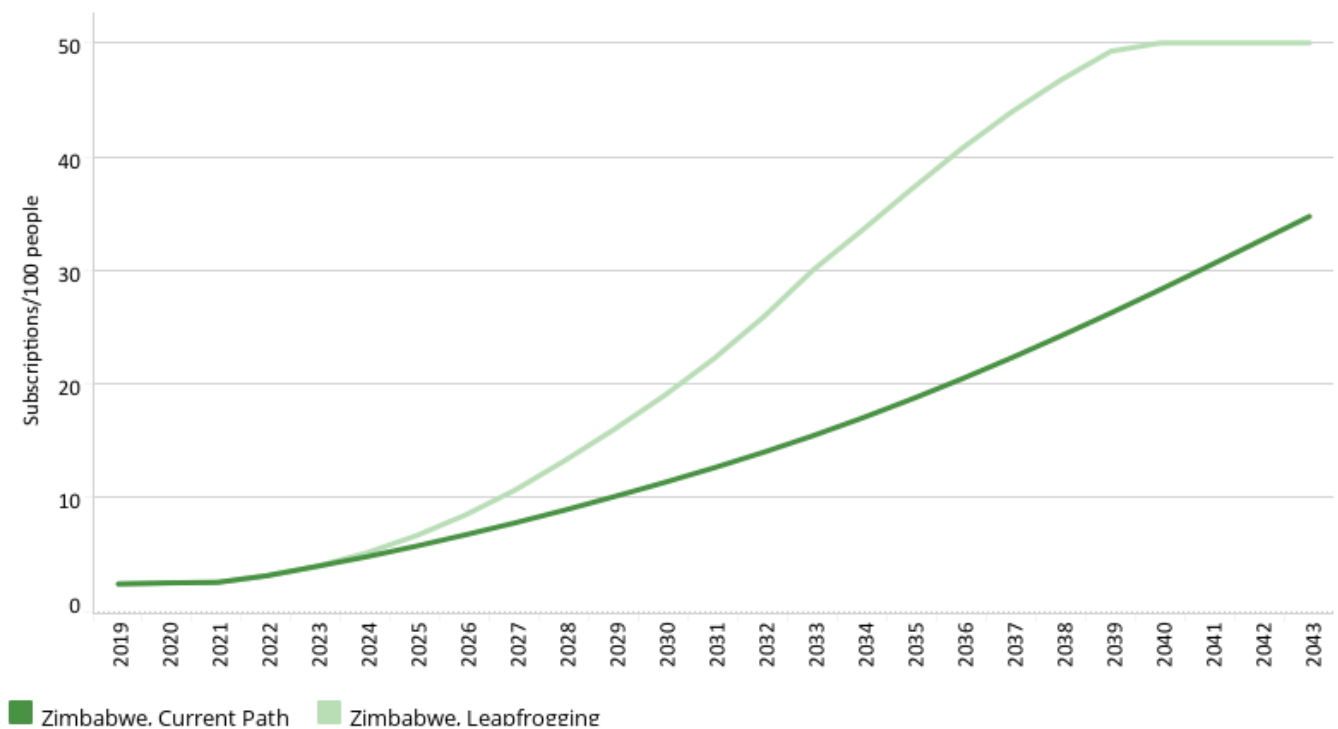
## Leapfrogging scenario

Chart 29 Chart 30 Chart 31 Chart 32 Chart 33 Chart 34 Chart 35 Chart 36 Chart 37 Chart 38 Chart 39

Chart 34: Fixed broadband access in CP and Leapfrogging scenario, 2019–2043  
Subscriptions per 100 people



Zimbabwe



Source: IFS 7.63 initialising from International Telecommunication Union data

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The Leapfrogging scenario represents a reasonable but ambitious adoption of and investment in renewable energy technologies, resulting in better access to electricity in urban and rural areas. The scenario includes accelerated access to mobile and fixed broadband and the adoption of modern technology that improves government efficiency and allows for the more rapid formalisation of the informal sector.

The intervention is explained [here](#) in the thematic part of the website.

Fixed broadband includes cable modem Internet connections, DSL Internet connections of at least 256 KB/s, fibre and other fixed broadband technology connections (such as satellite broadband Internet, ethernet local area networks, fixed-wireless access, wireless local area networks, WiMAX, etc.).

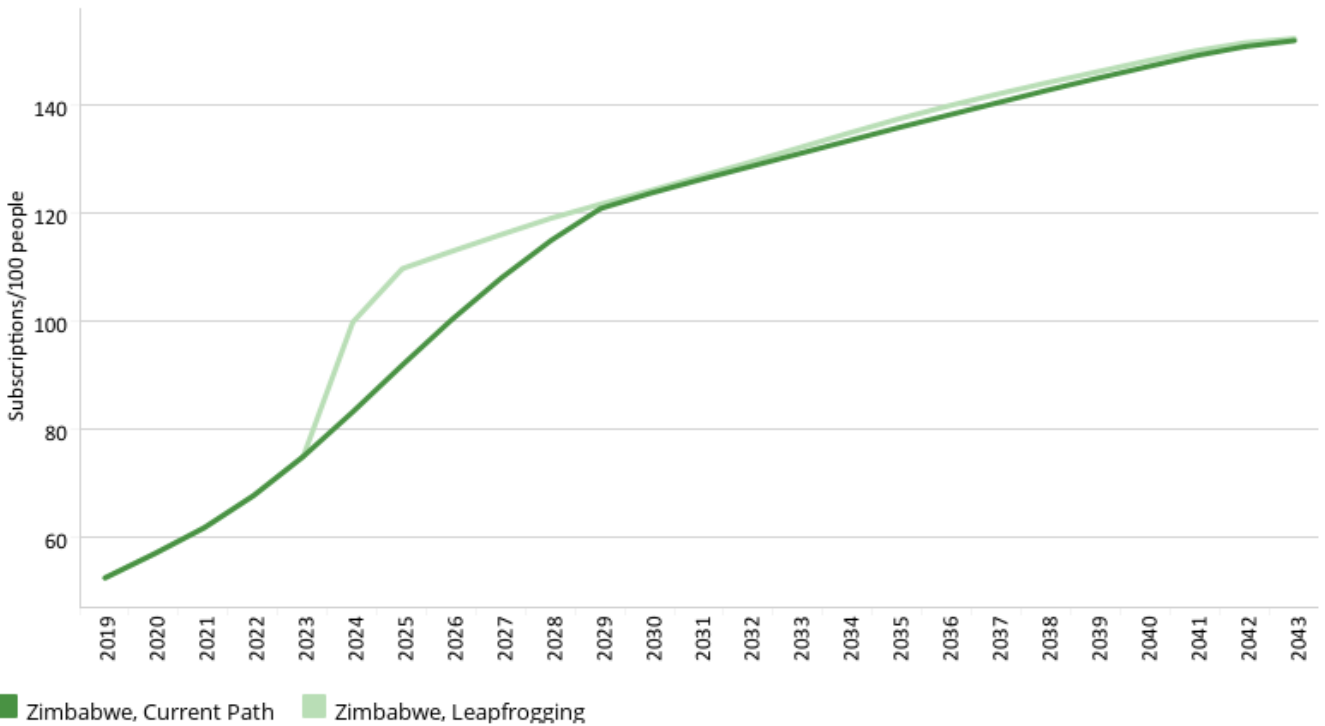
Broadband subscriptions are critical for economic growth, regional integration, and human development more broadly. In Zimbabwe, they are quite limited, with approximately 2.5 fixed broadband subscriptions per every 100 Zimbabweans in 2019. Lower middle-income African countries, meanwhile, had an average of 3.7 fixed broadband subscriptions per every 100 people. Subscription rates in neighbouring Zambia only slightly exceeded Zimbabwe's at 2.8 subscriptions per every 100 people. In Zimbabwe, subscriptions increase only modestly on the Current Path, reaching 35 subscriptions for every 100 people by 2043. The Leapfrogging scenario features a much more rapid uptake of this technology, with 19 subscriptions for every 100 people in 2030 and 50 by 2040.



**Chart 35: Mobile broadband access in CP and Leapfrogging scenario, 2019–2043**  
Subscriptions per 100 people



Zimbabwe



Source: IFs 7.63 initialising from International Telecommunication Union data

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Mobile broadband refers to wireless Internet access delivered through cellular towers to computers and other digital devices.

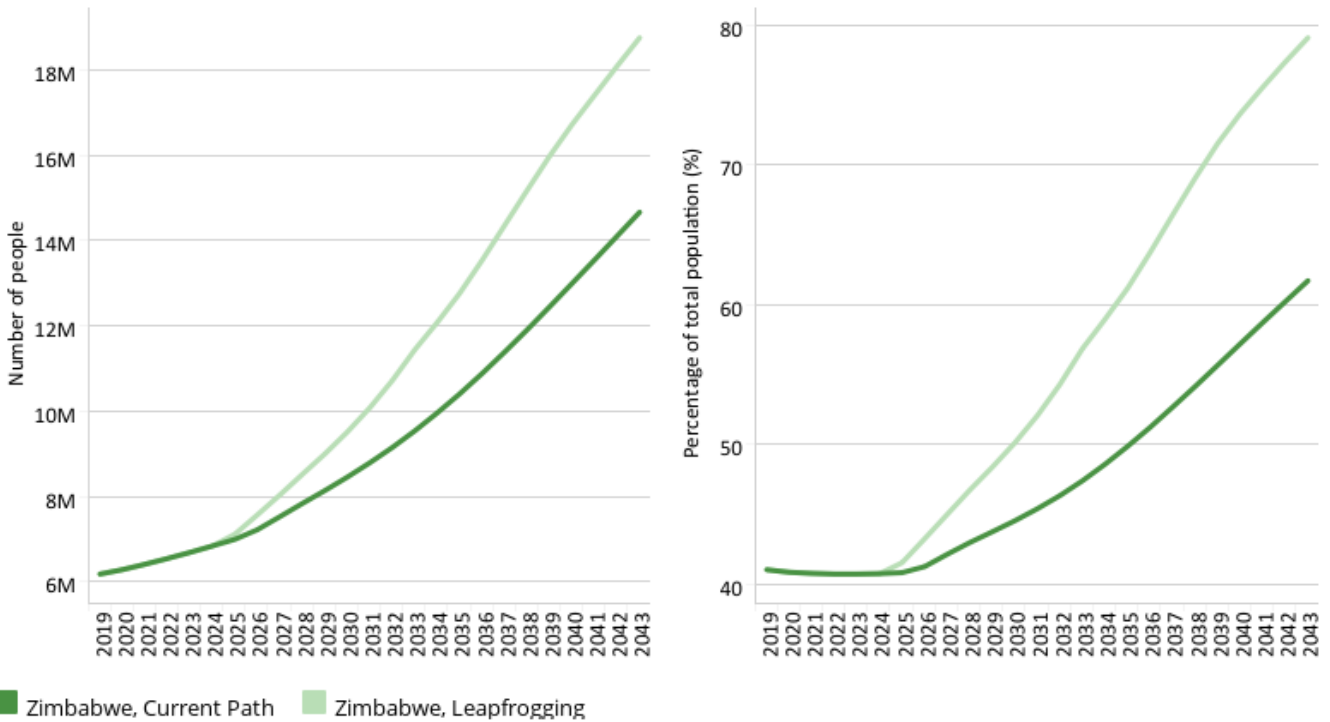
With an estimated 53 mobile broadband subscriptions per 100 people in 2019, Zimbabwe is on par with the average of lower middle-income countries in Africa. Mobile broadband subscriptions have the potential to improve the quality of life of vulnerable or marginalised populations who have little access to health, educational, and economic resources. On the Current Path, mobile broadband subscriptions increase fairly rapidly in Zimbabwe — a reflection of the generally rapid uptake of technology in many developing countries. In the Leapfrogging scenario, mobile broadband subscriptions increase dramatically in the short term before levelling off at saturation levels as rates get to above 120 subscriptions per 100 people.

### Chart 36: Electricity access in CP and Leapfrogging scenario, 2019–2043

Millions of people and % of population



Zimbabwe Total



Source: IFs 7.63 initialising from World Development Indicators data

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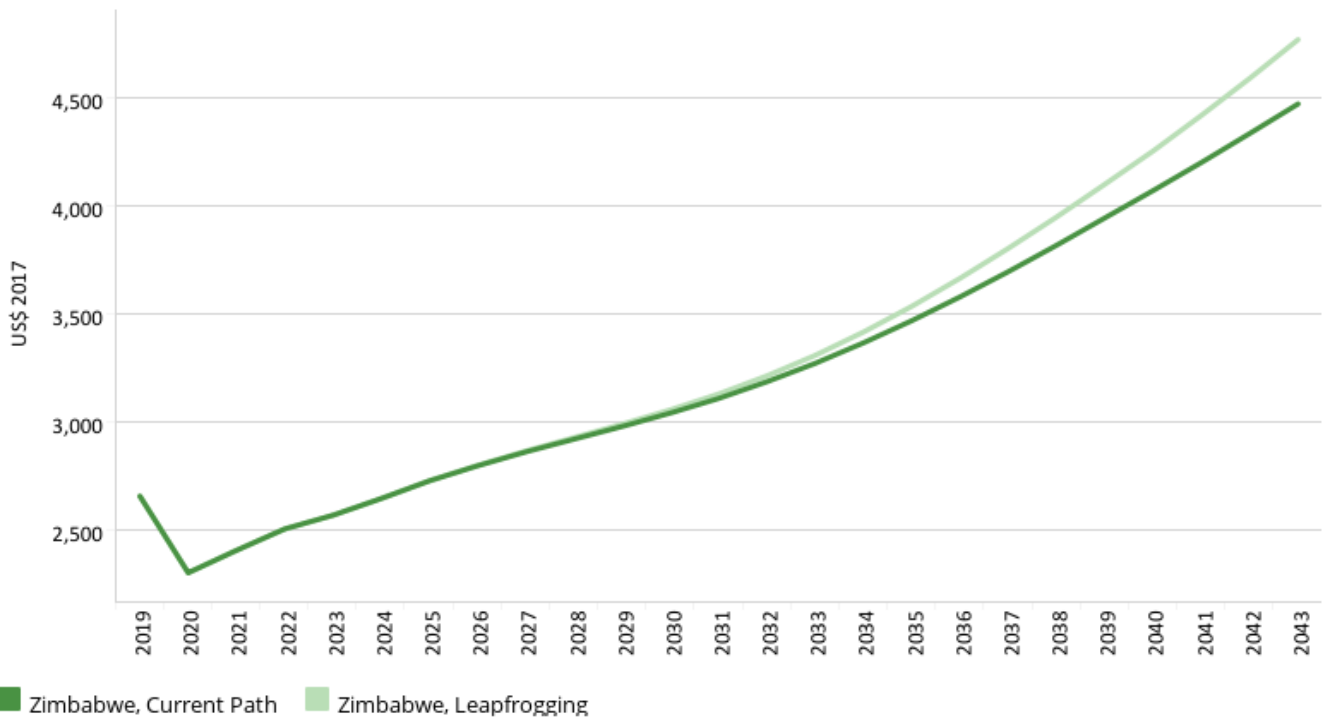
Zimbabwe has significant backbone infrastructure, but successive political and economic crises since the 1990s have left energy, water, sanitation and road infrastructure in varying states of disrepair. In 2019, an estimated two out of five Zimbabweans had access to electricity. This figure has barely budged since 1990. Meanwhile, two out of three people in lower middle-income Africa had access to electricity. Because the government struggles to generate and distribute uninterrupted electricity, residents and businesses rely heavily on petrol or diesel generators.

Around half of Zimbabweans are expected to have access to electricity by the late-2030s on the Current Path, which is still lower than the current average of roughly 66% in lower middle-income Africa. By 2043, three out of five Zimbabweans will have electricity access on the Current Path. In the Leapfrogging scenario, the electricity access rate increases much more rapidly to 80% by 2043.

**Chart 37: GDP per capita in CP and Leapfrogging scenario, 2019–2043**  
Purchasing power parity



Zimbabwe



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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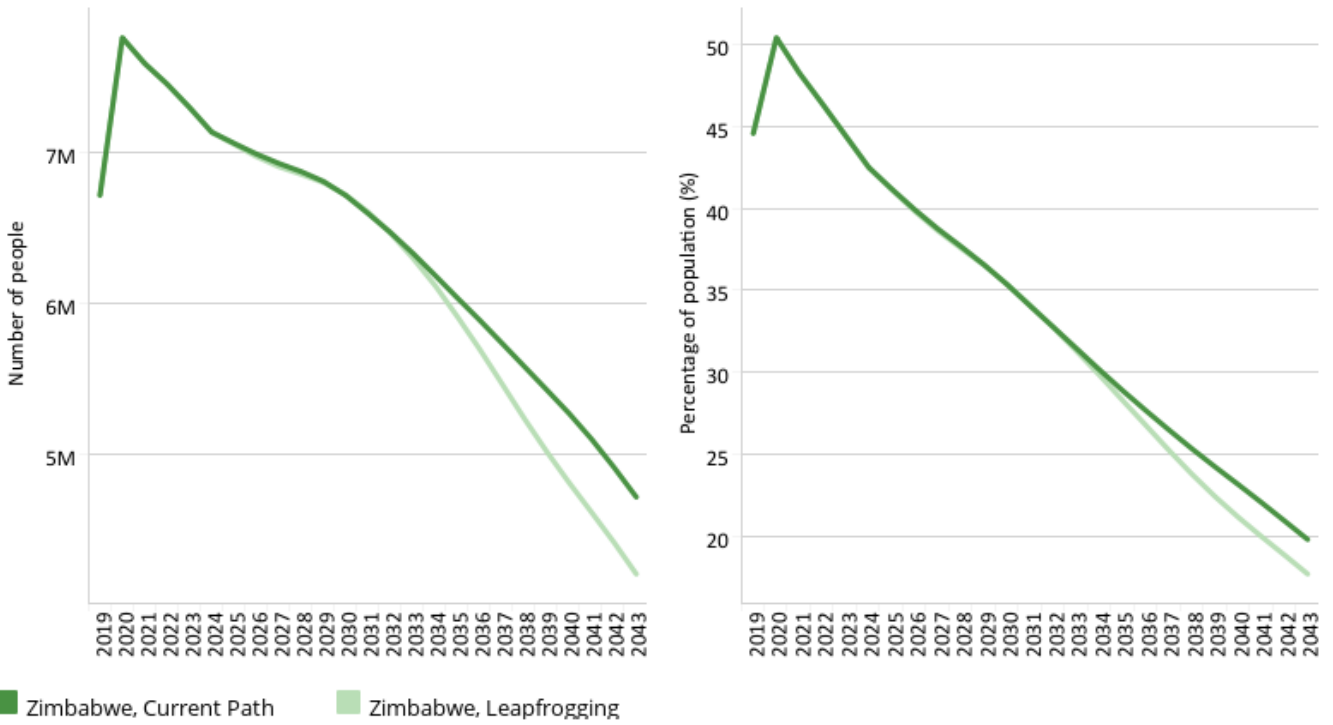
On the Current Path, average incomes in Zimbabwe will remain far below the average of lower middle-income Africa, reaching only US\$4 469 by 2043. The average of lower middle-income Africa is projected to reach nearly double that figure (US\$9 142) by that year.

Owing to the expanded access to electricity in both rural and urban areas modelled in the Leapfrogging scenario, average incomes grow slightly more quickly than on the Current Path, but only over the long term. In the Leapfrogging scenario, average incomes reach US\$4 767 by 2043 — approximately US\$300 greater than the Current Path forecast for that year and still far behind lower middle-income Africa. The greater electricity access of the Leapfrogging scenario has the potential to only modestly improve livelihoods in Zimbabwe.

**Chart 38: Poverty in CP and Leapfrogging scenario, 2019–2043**  
Millions of people and % of total population



Zimbabwe \$3.20



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and DevPalNet World Bank data

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In 2019, an estimated 45% of Zimbabweans lived below the poverty line of US\$3.20 for lower middle-income countries — an alarming estimate that calls for urgent action. On the Current Path, this rate is projected to fall steadily to approximately 20% — one out of five people — by 2043.

In the Leapfrogging scenario, the poverty rate decreases only slightly more rapidly to 18% by 2043. This means that in 2043 in the Leapfrogging scenario, 4.2 million Zimbabweans will be living in poverty, rather than the Current Path forecast of approximately 4.7 million people. Indeed, more than improvements to renewable energy, electrical, and Internet infrastructure are needed to significantly alleviate poverty.



## Free Trade scenario

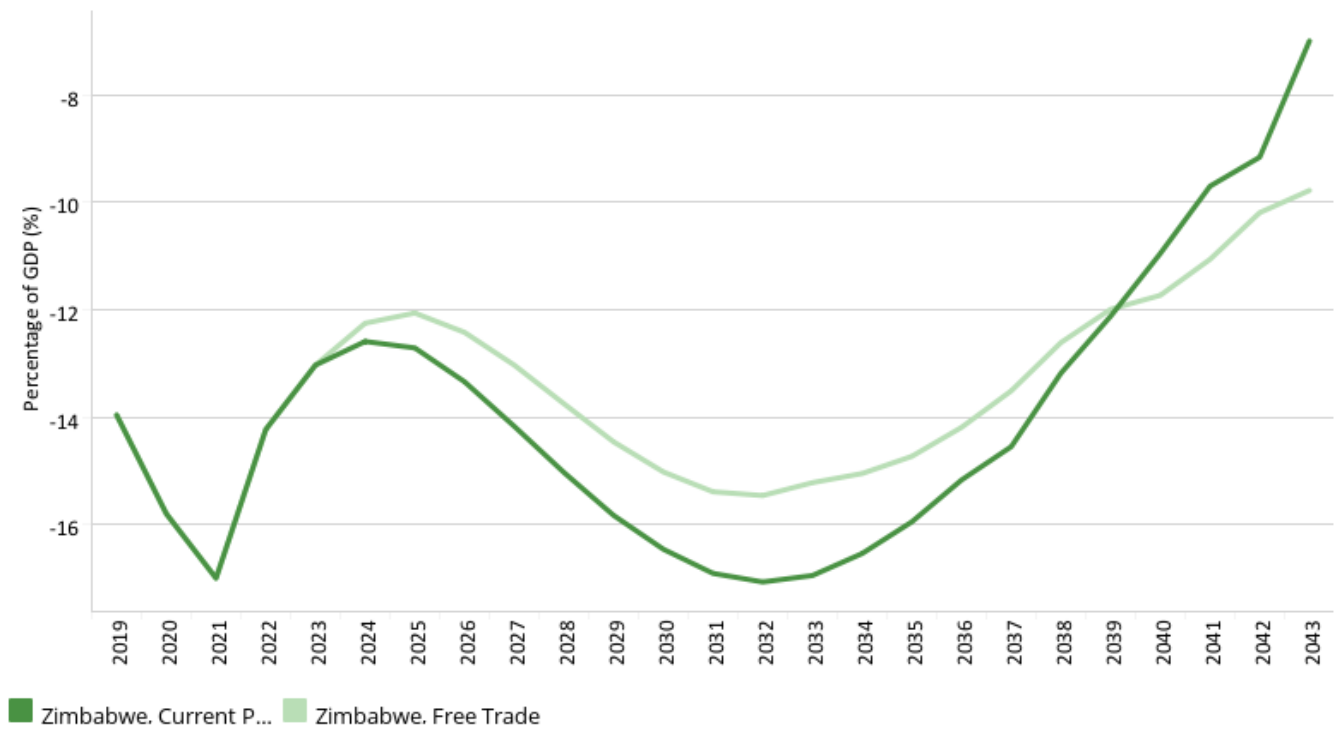
▼ < | art 34 | Chart 35 | Chart 36 | Chart 37 | Chart 38 | Chart 39 | Chart 40 | Chart 41 | Chart 42 | Chart 43 | Chart >

### Chart 39: Trade balance in CP and Free Trade scenario, 2019–2043

% of GDP



Zimbabwe ▼



Source: IFs 7.63 initialising from World Development Indicators data

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The Free Trade scenario represents the impact of the full implementation of the African Continental Free Trade Area (AfCFTA) by 2034 through increases in exports, improved productivity and increased trade and economic freedom.

The intervention is explained [here](#) in the thematic part of the website.

The trade balance is the difference between the value of a country's exports and its imports. A country that imports more goods and services than it exports in terms of value has a trade deficit, while a country that exports more goods and services than it imports has a trade surplus.

The Zimbabwean economy relies heavily on a few commodity exports, particularly tobacco, gold, diamonds and platinum, rendering the country exposed to fluctuations in commodity prices. Per the Observatory of Economic Complexity, Zimbabwe's top exports in 2020 (ranked by value) were gold, raw tobacco, nickel ore, diamonds, and ferroalloys. [10]

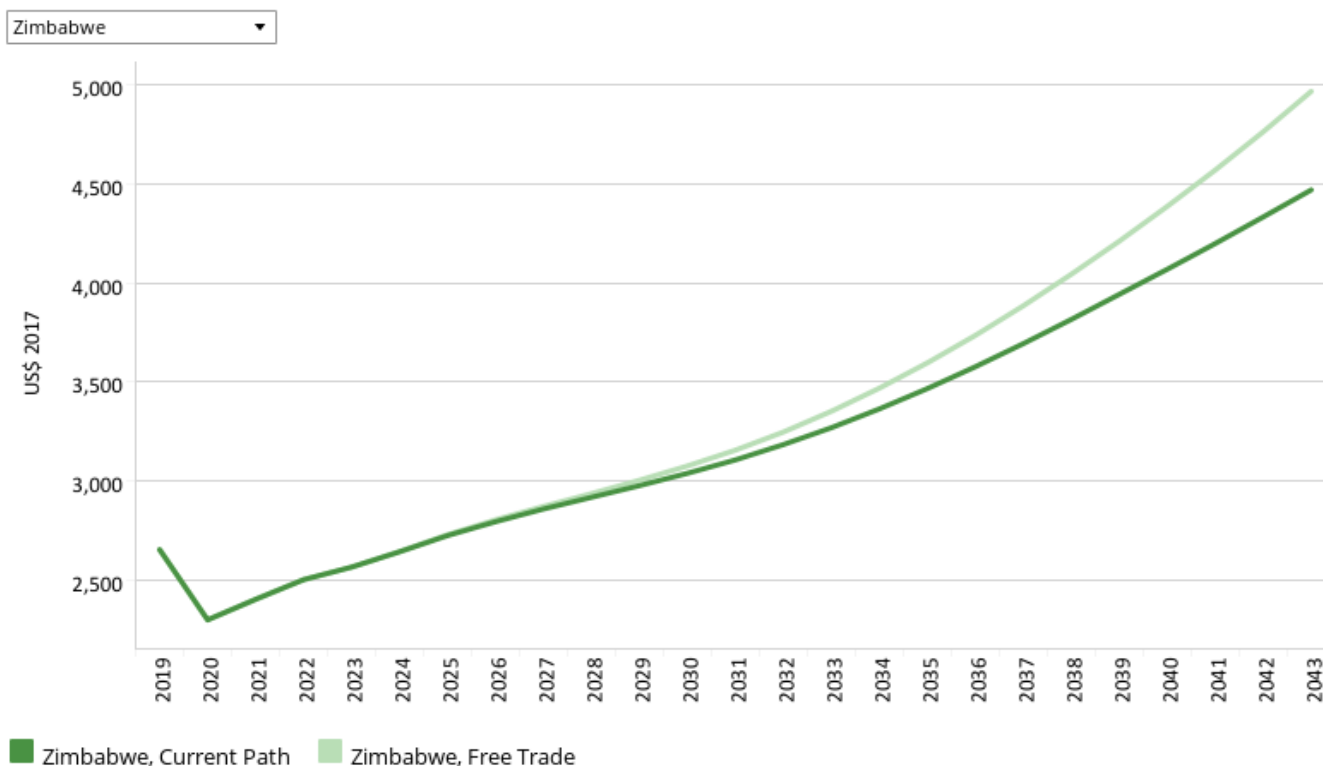
In fact, Zimbabwe is the largest tobacco producer in Africa and the sixth largest globally. But the sector is struggling owing to difficult climate conditions and the negative impacts of unregulated tree cutting to cure tobacco. The government will need to direct its attention to diversifying its export earnings to avoid greater economic volatility. [11]

In 2020, the majority of Zimbabwe's exports went to the United Arab Emirates, South Africa, Mozambique, Uganda, and

Africa. Zimbabwe's imports profile is similarly restricted, with 45% of imports coming from South Africa. [12] Zimbabwe has long been a net importer of goods and services. At present, Zimbabwe runs a significant trade deficit and will continue to do so on the Current Path. In the Free Trade scenario, Zimbabwe continues to run a trade deficit, but this deficit is smaller than on the Current Path.

▼ < | Chart 35 | Chart 36 | Chart 37 | Chart 38 | Chart 39 | Chart 40 | Chart 41 | Chart 42 | Chart 43 | Chart 44 | Chart >

**Chart 40: GDP per capita in CP and Free Trade scenario, 2019–2043**  
Purchasing power parity



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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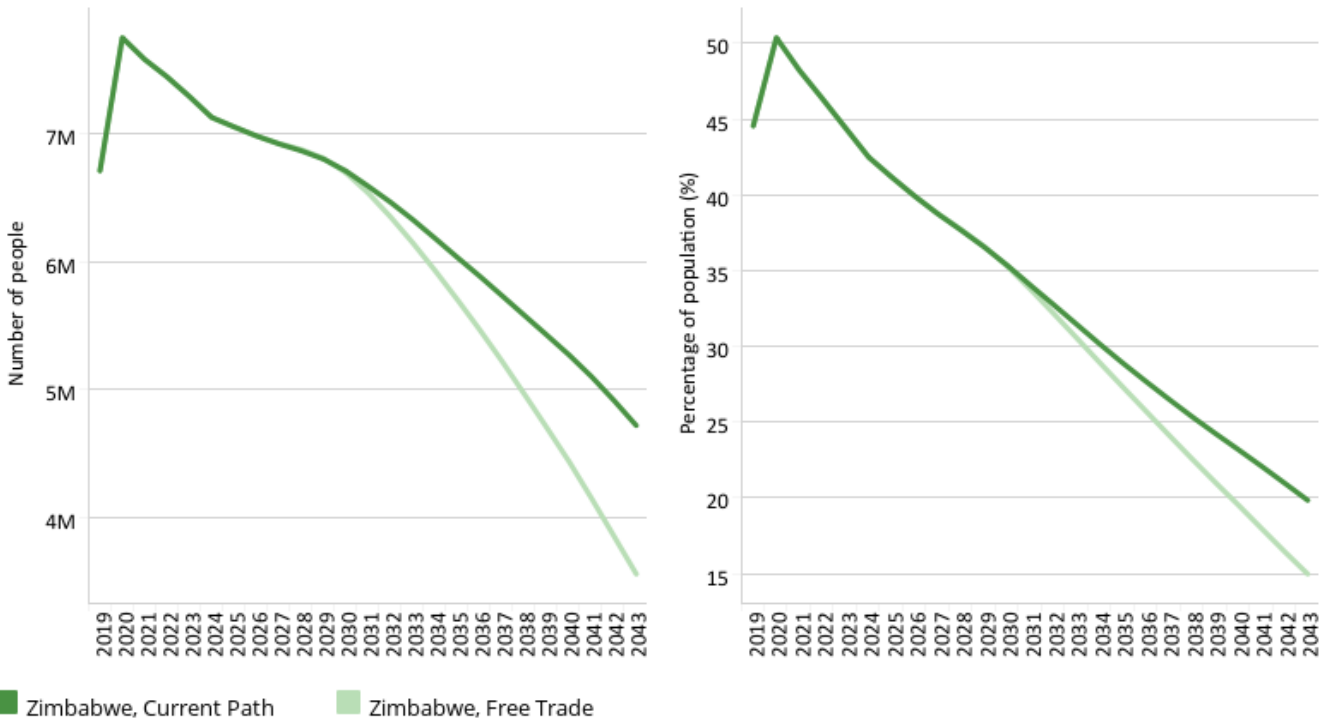
On the Current Path, average incomes in Zimbabwe will remain far below those of other lower middle-income Africa, reaching only US\$4 469 by 2043.

In the Free Trade scenario, the average Zimbabwean earns more than on the Current Path, but only over the long term (from the mid-2030s onward). In 2043, he/she would be earning US\$4 966 — approximately US\$500 more than on the Current Path. Among all of the scenarios explored, the Free Trade scenario has the largest impact on economic livelihood, reflecting the benefits that an improved trade balance and increased economic activity and economic freedom would have on the country.

**Chart 41: Poverty in CP and Free Trade scenario, 2019–2043**  
Millions of people and % of total population



Zimbabwe \$3.20



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and DevPalNat World Bank data

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In 2019, an estimated 45% of Zimbabweans lived below the poverty line of US\$3.20 for lower middle-income countries — an alarming estimate that calls for urgent action. On the Current Path, this rate is projected to fall steadily to approximately 20% — one out of five people — by 2043.

In the Free Trade scenario, Zimbabwe’s poverty rate decreases at a faster rate to 15% by 2043. This relatively rapid improvement in the poverty rate would dramatically reduce the number of Zimbabweans living in poverty. In 2030, there would be approximately 800 000 fewer people living in poverty; in 2043, roughly 2.1 million fewer people.



## Financial Flows scenario

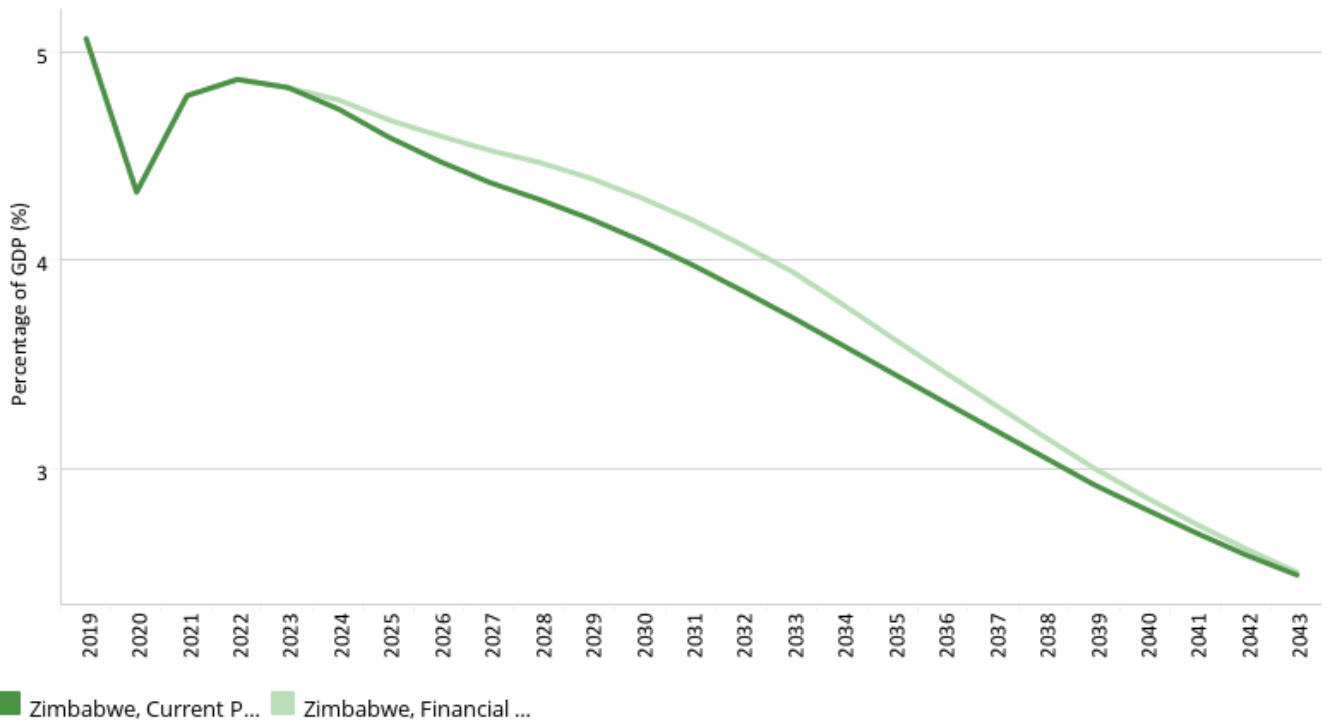
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### Chart 42: Foreign aid in CP and Financial Flows scenario, 2019–2043

% of GDP



Zimbabwe ▼



Source: IFs 7.63 initialising from Development Assistance Committee of the OECD data, and World Bank and OECD GNI estimates.

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The Financial Flows scenario represents a reasonable but ambitious increase in worker remittances and aid flows to poor countries, and an increase in the stock of foreign direct investment (FDI) and additional portfolio investment inflows to middle-income countries. We also reduced outward financial flows to emulate a reduction in illicit financial outflows.

The intervention is explained [here](#) in the thematic part of the website.

Throughout Zimbabwe’s recent economic crises, the country has received little aid relative to its income peers. In 2019, Zimbabwe received foreign aid valued at approximately 5% of GDP. Contributing to these low levels are Zimbabwe’s disputes with large and influential nations like the United Kingdom, which has publicly criticised President Emmerson Mnangagwa for his military takeover of the Zimbabwean government in 2017 and broader human rights violations committed by the Zimbabwean government.

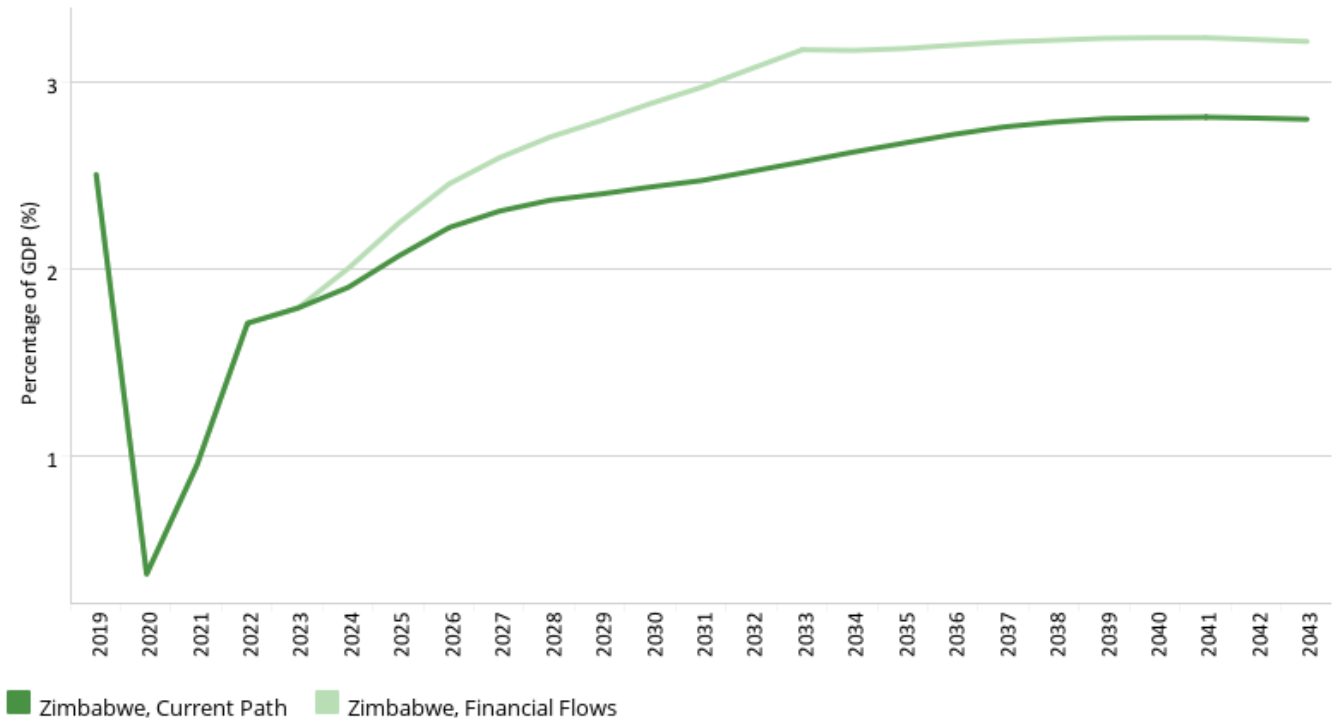
On the Current Path, foreign aid as a share of GDP falls steadily to approximately 2.5% in 2043. In the Financial Flows scenario, foreign aid increases only slightly over the medium term before converging with the Current Path forecast by 2040.



Chart 43: Inflow of FDI in CP and Financial Flows scenario, 2019–2043  
% of GDP



Zimbabwe



Source: IFs 7.63 initialising from International Monetary Fund World Economic Outlook database

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Over the past 40 years, FDI inflows to Zimbabwe have fluctuated between virtually nothing to a peak of approximately 7% of GDP in the late-1990s. In 2019, FDI inflows reached an estimated 2.5% of GDP. On the Current Path, FDI will peak at 2.8% of GDP over the forecast horizon. In the Financial Flows scenario, FDI reaches a maximum of 3.2% in Zimbabwe and 4.1% in lower middle-income Africa.

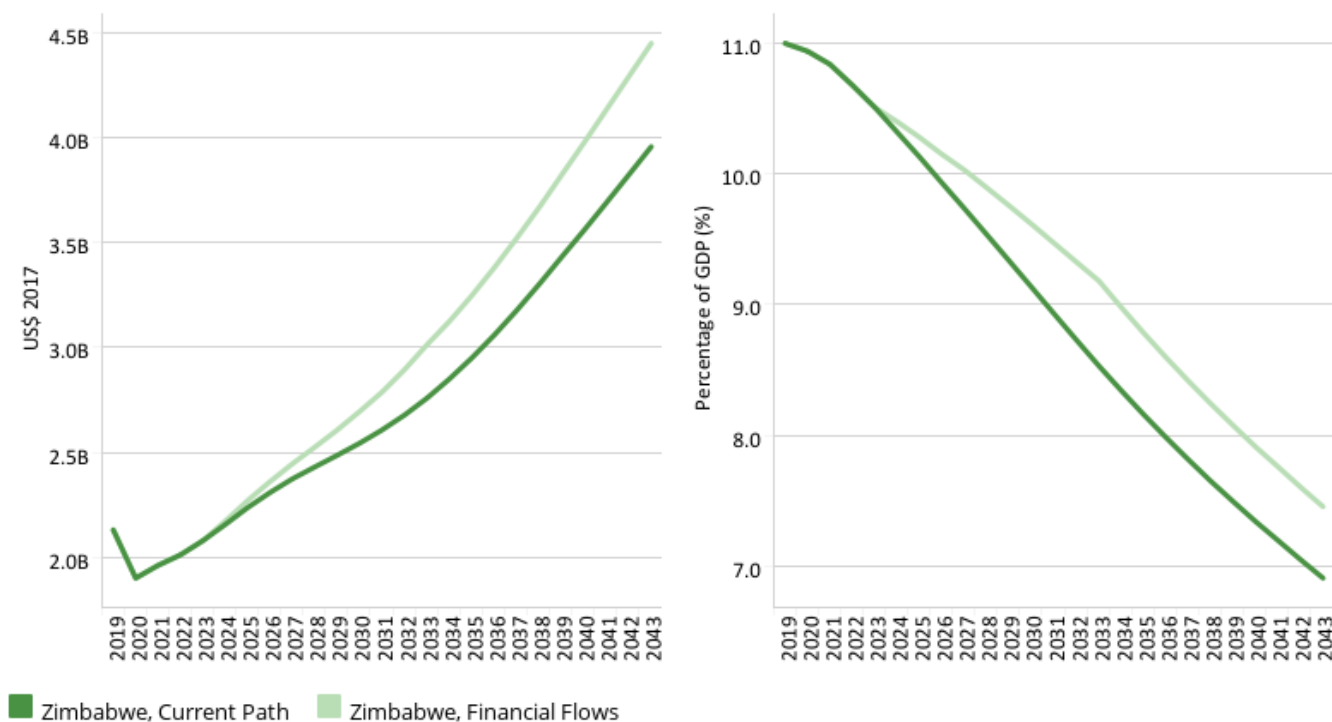
Although there is clearly considerable scope for increases in both aid and FDI, more FDI would require a substantial change in current levels of business and investor confidence. Zimbabwe currently has the eighth and 11th lowest scores globally in the World Bank’s regulatory quality and governance effectiveness indices, respectively; the 25th worst score globally on Transparency International’s Corruption Perceptions Index; and the 18th lowest score globally on the Fraser Institute’s index of economic freedom, which lists excessive bureaucratic costs and administrative requirements for business and government control over the movement of capital as the most severe issues. [13] Even China, which has long been Zimbabwe’s largest foreign donor, has voiced criticism of the southern African nation’s difficult business environment.

### Chart 44: Remittances in CP and Financial Flows scenario, 2019–2043

Billions US\$ 2017 and % of GDP



Zimbabwe



Source: IFs 7.63 initialising from World Development Indicators data

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Zimbabwe has suffered very high levels of outward migration, estimated at between 0.4% and 0.2% of its population annually since the turn of the century. This migration has resulted in a large diaspora and significant remittance inflows, which have played a central role in steadying the Zimbabwean economy. According to the Government of Zimbabwe, remittances are the second largest source of income, with exports coming in first. [14] In 2015, remittances through the formal channels recorded by the Reserve Bank of Zimbabwe are estimated to have reached US\$1 billion – more than double the amount of net FDI received by Zimbabwe during the same period. [15] The World Bank estimates that remittances actually exceeded US\$2 billion in 2015 before falling slightly to US\$1.8 billion in 2020 in current US dollars. [16] However, this high outward migration has also harmed human capital by stripping the country of much of its better-educated workforce.

Remittances from South Africa account for approximately one-third of the total diaspora remittances to Zimbabwe. [17] Although remittances are usually made in cash transfers, shortages of basic commodities in Zimbabwe encourage migrants to purchase goods such as foodstuffs abroad and bring them home or send them through relatives, friends, taxi or bus. [18]

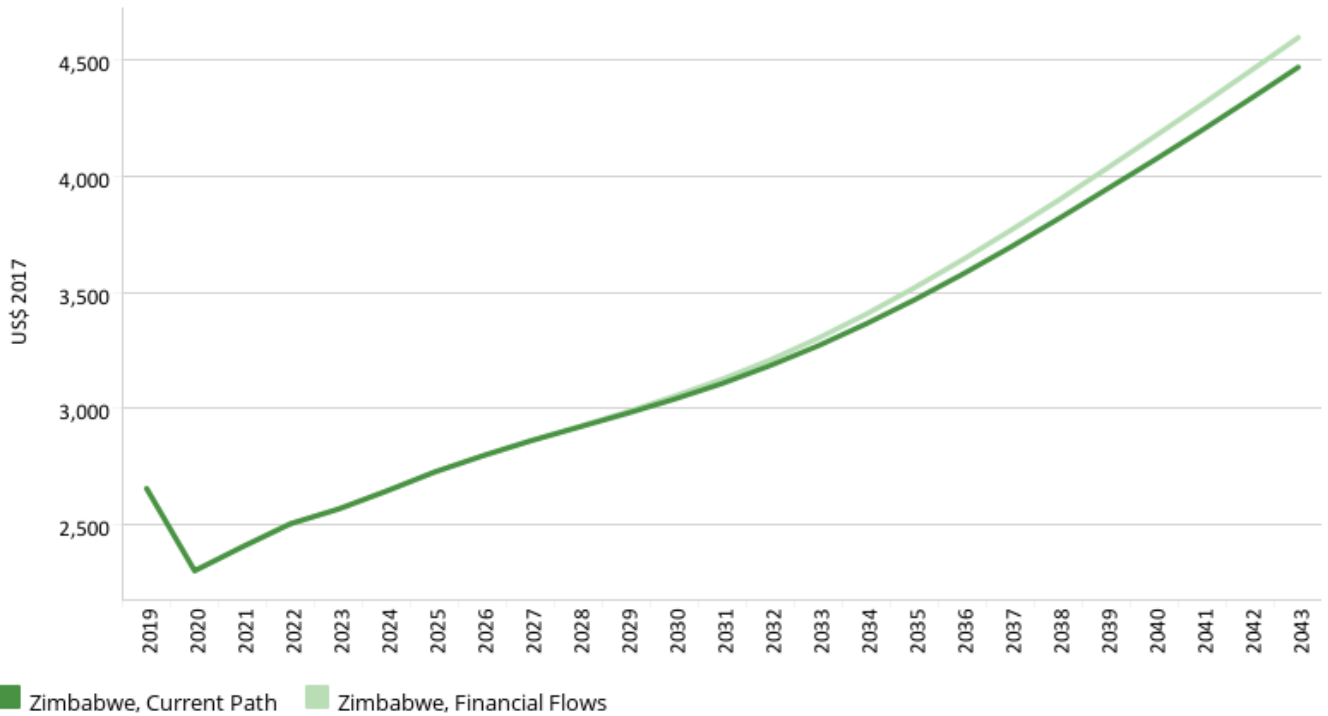
On the Current Path, remittances will fall as a per cent of GDP but increase in absolute terms to approximately US\$4 billion (6.9% of GDP) by 2034. Meanwhile, in the Financial Flows scenario, remittances decrease to 7.5% of GDP by 2043. In absolute terms, this means that, in the Financial Flows scenario, Zimbabwe would receive US\$4.5 billion in remittances in 2043.

### Chart 45: GDP per capita in CP and Financial Flows scenario, 2019–2043

Purchasing power parity



Zimbabwe



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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On the Current Path, average incomes in Zimbabwe will remain far below those of other lower middle-income Africa, reaching only US\$4 469 by 2043.

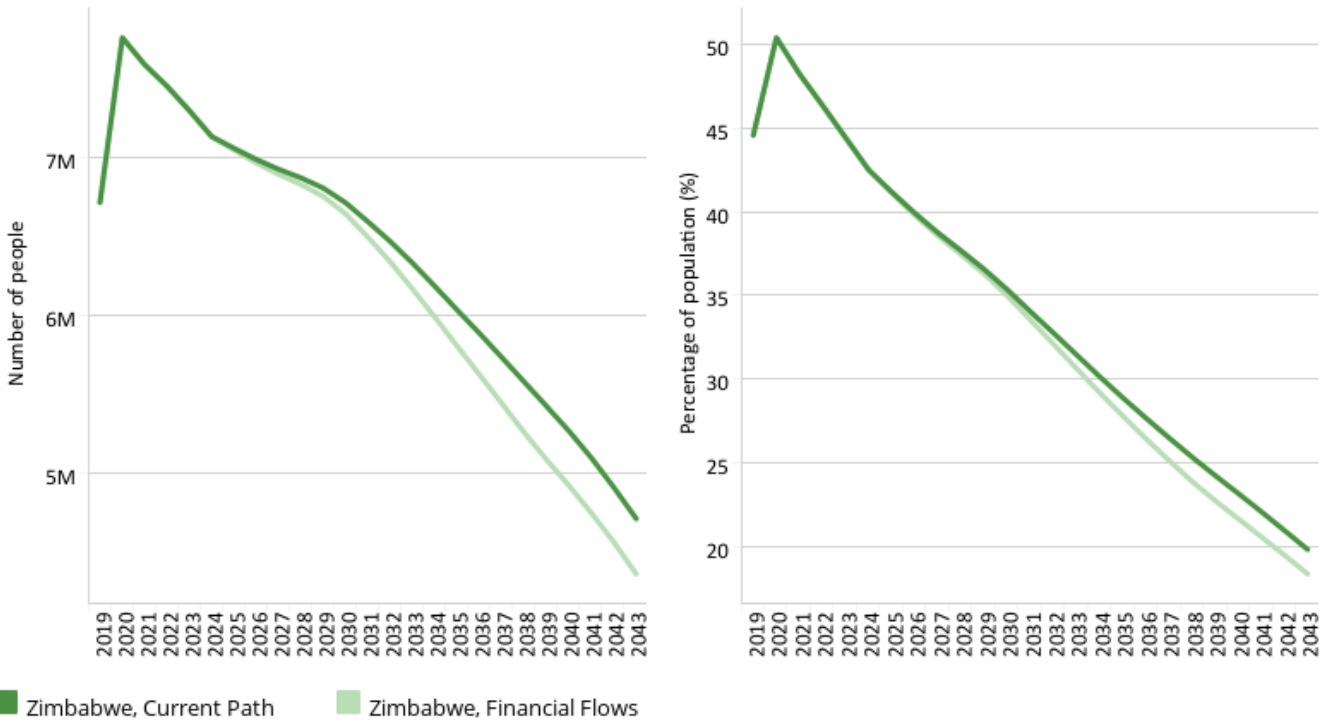
In the Financial Flows scenario, average incomes in Zimbabwe experience only a minor improvement over the Current Path. In 2043, the average Zimbabwean would be earning US\$4 597 — only approximately US\$130 more than the Current Path forecast for that year. A more holistic approach to improving livelihoods in Zimbabwe is necessary to meaningfully impact incomes.

### Chart 46: Poverty in CP and Financial Flows scenario, 2019–2043

Millions of people and % of total population



Zimbabwe ▼ \$3.20 ▼



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and DevPalNat World Bank data

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Trade openness will reduce poverty in the long term after initially increasing it due to the redistributive effects of trade. Most African countries export primary commodities and low-tech manufacturing products, and therefore a continental free trade agreement (AfCFTA) that reduces tariffs and non-tariff barriers across Africa will increase competition among countries in primary commodities and low-tech manufacturing exports. Countries with inefficient, high-cost manufacturing sectors might be displaced as the AfCFTA is implemented, thereby pushing up poverty rates.

In the long term, as the economy adjusts and produces and exports its comparatively advantaged (lower relative cost) goods and services, poverty rates will decline.

In 2019, an estimated 45% of Zimbabweans lived below the poverty line of US\$3.20 for lower middle-income countries — an alarming estimate that calls for urgent action. On the Current Path, this rate is projected to fall steadily to approximately 20% — one out of five people — by 2043.

The increased inward remittances and aid and FDI flows modelled in the Financial Flows scenario only modestly impact poverty levels in Zimbabwe. By 2043, Zimbabwe’s poverty rate falls just over 18%, representing an approximately 1.4 percentage point improvement over the Current Path forecast for that year.

Clearly, improvements in the balance of inward and outward flows of money to the country alone are insufficient to alleviate poverty in Zimbabwe.



## Infrastructure scenario

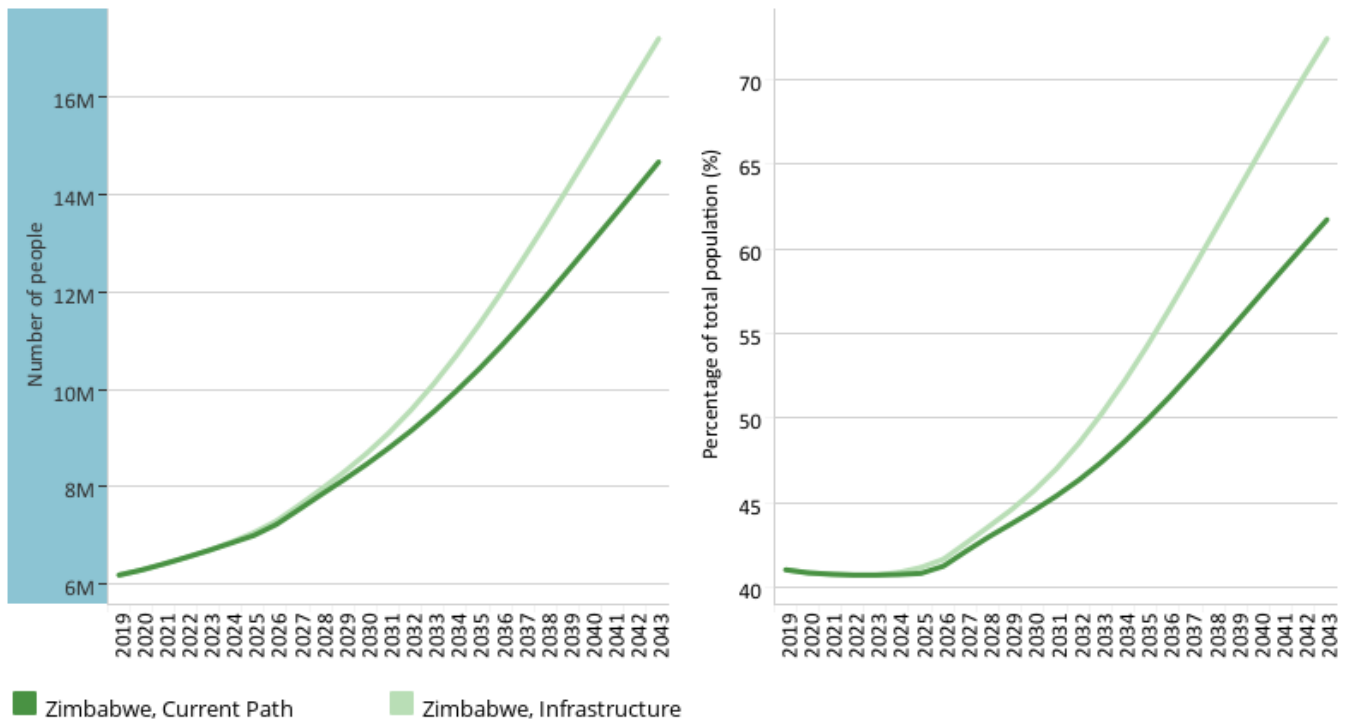
Chart 42 Chart 43 Chart 44 Chart 45 Chart 46 Chart 47 Chart 48 Chart 49 Chart 50 Chart 51 Chart >

### Chart 47: Electricity access in CP and Infrastructure scenario, 2019–2043

Millions of people and % of population



Zimbabwe Total



Source: IFs 7.63 initialising from World Development Indicators data

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The Infrastructure scenario represents a reasonable but ambitious increase in infrastructure spending across Africa, focusing on basic infrastructure (roads, water, sanitation, electricity access and ICT) in low-income countries and increasing emphasis on advanced infrastructure (such as ports, airports, railway and electricity generation) in higher-income countries.

Note that health and sanitation infrastructure is included as part of the Health/WaSH scenario and that ICT infrastructure and more rapid uptake of renewables are part of the Leapfrogging scenario. The interventions there push directly on outcomes, whereas those modelled in this scenario increase infrastructure spending, indirectly boosting other forms of infrastructure, including that supporting health, sanitation and ICT.

The intervention is explained [here](#) in the thematic part of the website.

Zimbabwe has significant backbone infrastructure, but successive political and economic crises since the 1990s have left energy, water, sanitation and road infrastructure in varying states of disrepair. In 2019, an estimated two out of five Zimbabweans had access to electricity. This figure has barely budged since 1990. Because the government struggles to generate and distribute uninterrupted electricity, residents and businesses rely heavily on petrol or diesel generators. Across lower middle-income Africa, an average of two out of every three people have access to electricity.

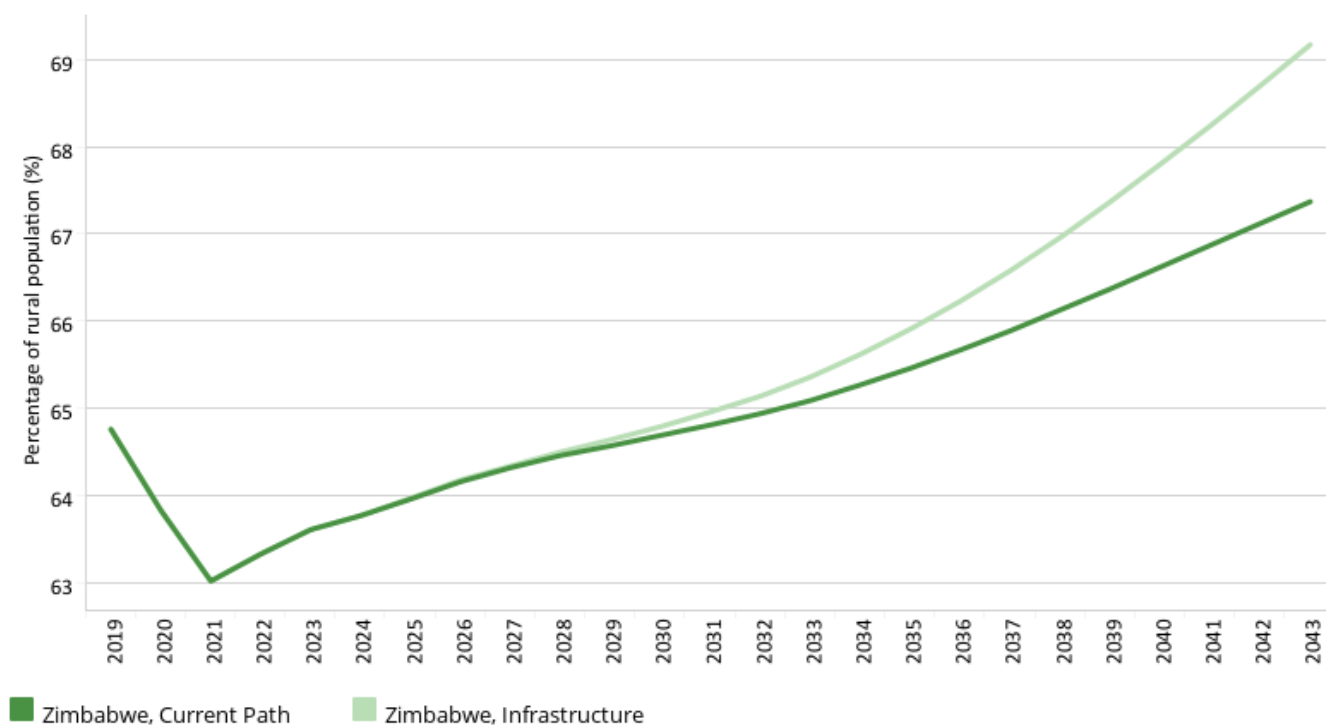
Around half of Zimbabweans are expected to have access to electricity by the late-2030s on the Current Path. By 2043, three out of five Zimbabweans will have electricity access on the Current Path. In the Infrastructure scenario, this rate increases dramatically to 72% by 2043, translating to an additional 2.5 million Zimbabweans with access to electricity that year compared to the Current Path.

▼ < art 43 | Chart 44 | Chart 45 | Chart 46 | Chart 47 | Chart 48 | Chart 49 | Chart 50 | Chart 51 | Chart 52 | Chart >

**Chart 48: Rural road access in CP and Infrastructure scenario, 2019–2043**  
% of rural population within 2 km of an all-weather road



Zimbabwe ▼



Source: IFs 7.63 initialising from World Bank Rural Access Index data

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Indicator 9.1.1 in the Sustainable Development Goals refers to the proportion of the rural population who live within 2 km of an all-season road and is captured in the Rural Access Index.

In 2019, an estimated 65% of rural Zimbabweans had access to an all-weather road within 2 km. Although there is significant room for improvement in transportation infrastructure in rural Zimbabwe, lower middle-income Africa, on average, performs worse on this critical indicator. On the Current Path, the share of the rural population within 2 km of an all-weather road will increase to 68% by 2043. In the Infrastructure scenario, this rate increases dramatically to nearly 70% by 2043.

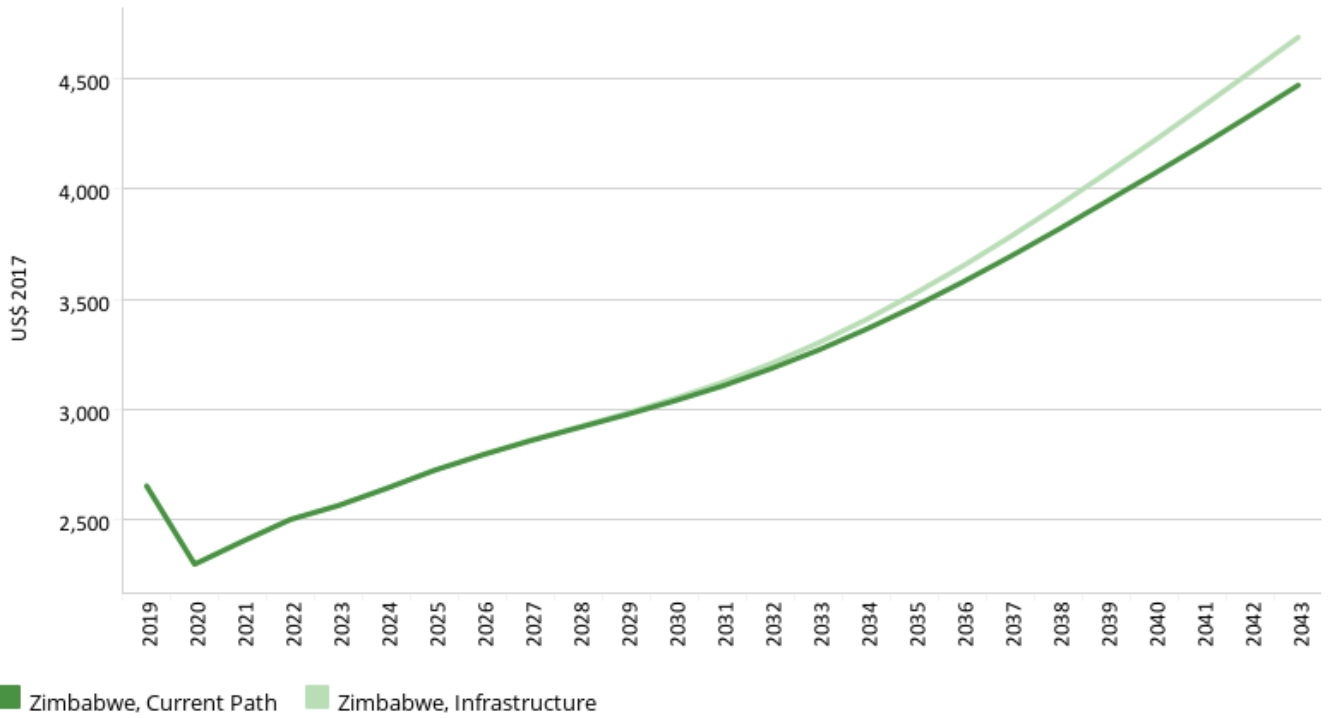
All-weather roads are critical for many reasons, including reliable access to emergency goods and services and economic opportunities such as the transfer of agricultural goods to market.

### Chart 49: GDP per capita in CP and Infrastructure scenario, 2019–2043

Purchasing power parity



Zimbabwe



Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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On the Current Path, average incomes in Zimbabwe will remain far below those of other lower middle-income Africa, reaching only US\$4 469 by 2043.

Meanwhile, the improved infrastructure modelled in the Infrastructure scenario only barely improves livelihoods in the country, and only over the long term (by the mid-2030s and beyond). By 2043, the average Zimbabwean earns US\$4 686 in the Infrastructure scenario, marking an improvement of approximately US\$220 over the Current Path forecast.

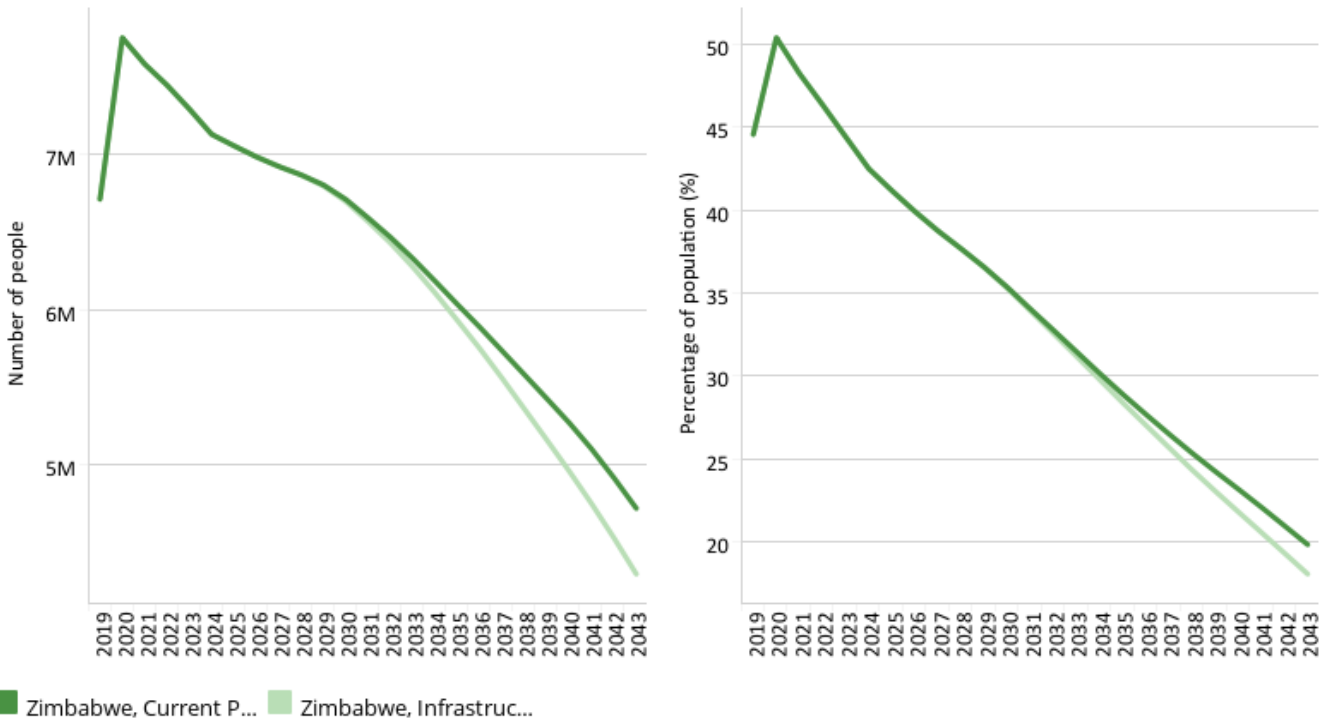
While infrastructure is critical to improving livelihoods — particularly outside of cities, where vulnerable populations are often isolated from critical resources and services — it alone is incapable of dramatically improving incomes in a country facing complex developmental challenges.

### Chart 50: Poverty in CP and Infrastructure scenario, 2019–2043

Millions of people and % of total population



Zimbabwe \$3.20



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and DevPalNet World Bank data

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In 2019, an estimated 45% of Zimbabweans lived below the poverty line of US\$3.20 for lower middle-income countries — an alarming estimate that calls for urgent action. On the Current Path, this rate is projected to fall steadily to approximately 20% — one out of five people — by 2043.

By 2043, the improved basic infrastructure modelled in the Infrastructure scenario only results in a two percentage point reduction in Zimbabwe’s poverty rate. In other words, roughly 400 000 fewer people in the country would be suffering from poverty in 2043 in the Infrastructure scenario than on the Current Path. Infrastructure alone is insufficient to alleviate poverty in Zimbabwe; a concerted and multi-faceted approach to lifting Zimbabweans out of poverty is necessary.



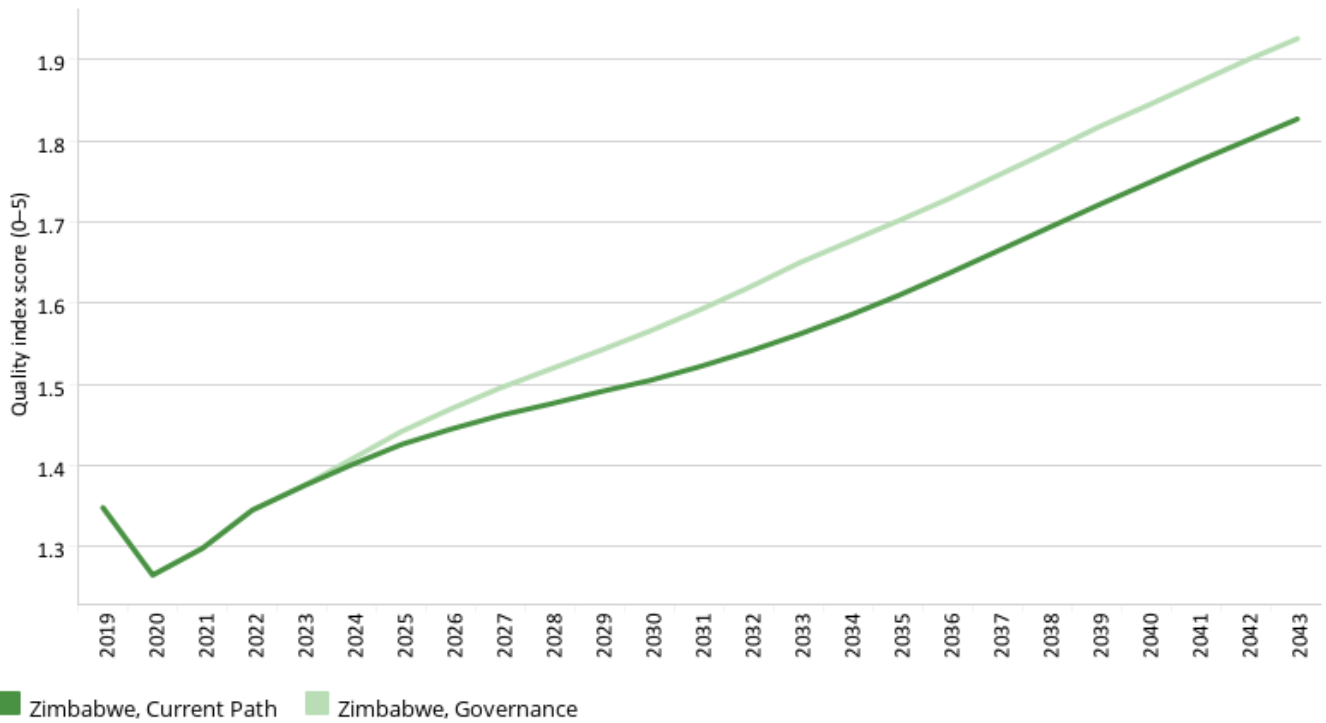


## Chart 51: Gov effectiveness in CP and Governance scenario, 2019–2043

World Bank quality index score for government effectiveness



Zimbabwe ▼



Source: IFS 7.63 initialising from Kaufmann, Kraay and Mastruzzi (2010) data

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The Governance scenario represents a reasonable but ambitious improvement in accountability and reduces corruption, and hence improves the quality of service delivery by government.

The intervention is explained [here](#) in the thematic part of the website.

As defined by the World Bank, government effectiveness ‘captures perceptions of the quality of public services, the quality of the civil service and the degree of its independence from political pressures, the quality of policy formulation and implementation, and the credibility of the government’s commitment to such policies’.

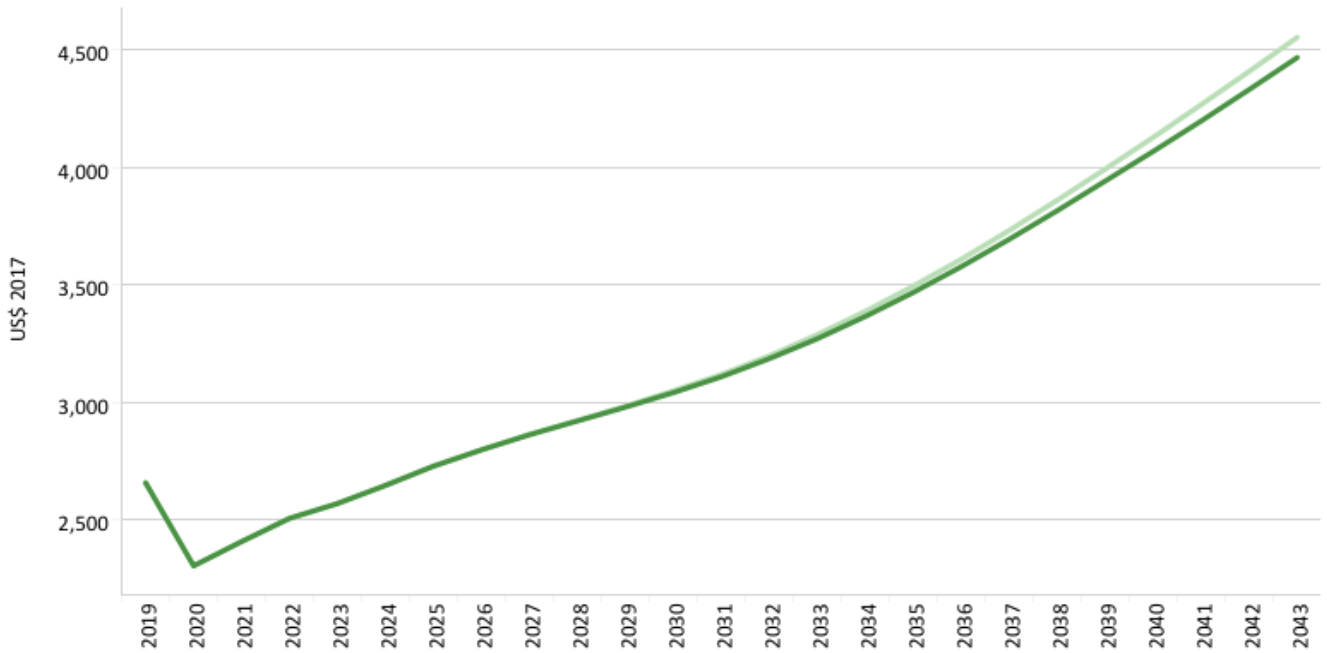
Chart 51 presents the impact of the interventions in the Governance scenario on government effectiveness. The Government of Zimbabwe has historically taken a centralist, control and command approach to governance characterised by regime volatility and opaque election processes. In fact, in 2018, Zimbabwe ranked 175th globally in the government effectiveness index. [19]

In both the Current Path forecast and the Governance scenario, Zimbabwe’s government effectiveness score remains below the average of lower middle-income Africa, reflecting the urgent need for dramatic governance reform in Zimbabwe.

Chart 52: GDP per capita in CP and Governance scenario, 2019–2043  
Purchasing power parity



Zimbabwe



Zimbabwe, Current Path Zimbabwe, Governance

Source: IFs 7.63 initialising from UN Population Division World Population Prospects and World Development Indicators data

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On the Current Path, average incomes in Zimbabwe will remain far below those of other lower middle-income Africa, reaching only US\$4 469 by 2043.

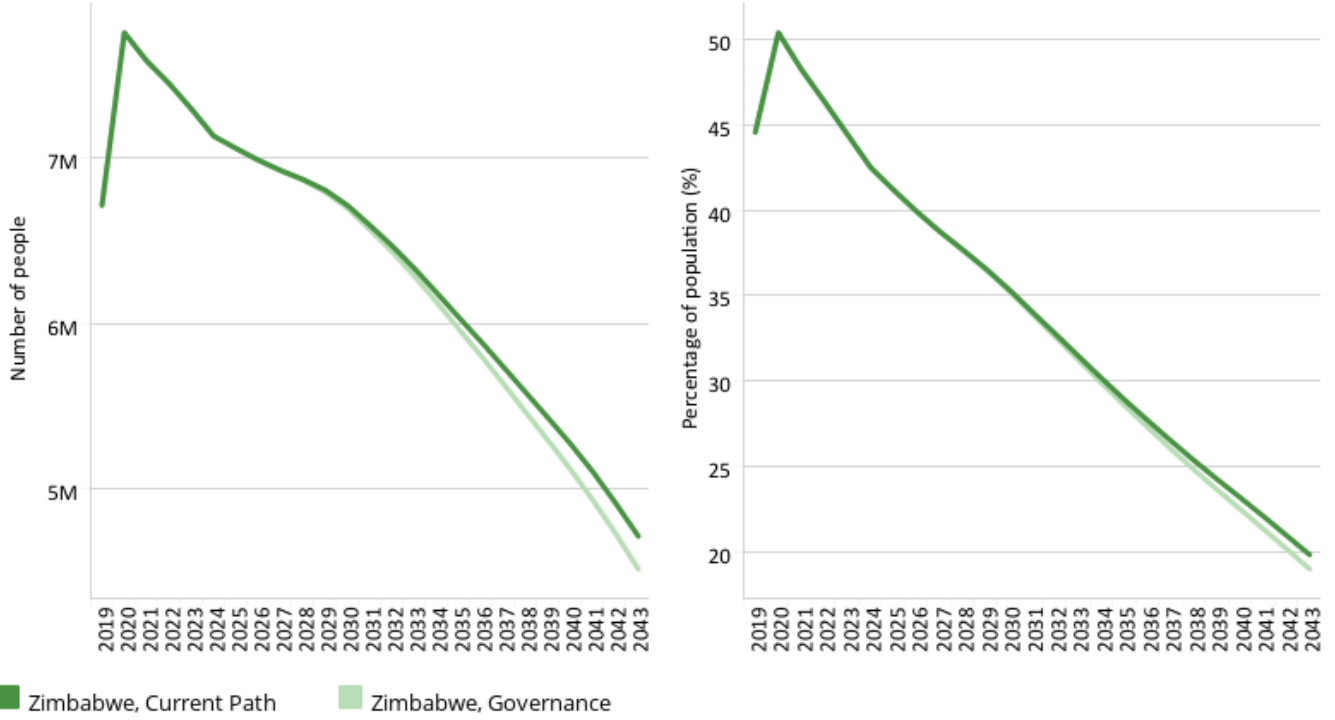
Clearly, improvements in governance alone are insufficient to improve livelihoods in Zimbabwe. The improvement in average incomes in Zimbabwe in the Governance scenario is negligible when compared to the Current Path, underscoring the need for a multi-faceted approach to improving livelihoods in the country.

### Chart 53: Poverty in CP and Governance scenario, 2019–2043

Millions of people and % of total population



Zimbabwe ▼ \$3.20 ▼



Source: IFs 7.63 initialising from UN Population Division Population Prospects estimate, World Development Indicators population data and DevPalNat World Bank data

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An estimated 45% of Zimbabweans lived below the poverty line of US\$3.20 for lower middle-income countries in 2019 — an alarming estimate that calls for urgent action. On the Current Path, this rate is projected to fall steadily to approximately 20% — one out of five people — by 2043.

As the Governance scenario has a negligible impact on average incomes in Zimbabwe, it is to be expected that the improved governance modelled in the scenario only modestly affects poverty rates compared to the Current Path. In fact, in the Governance scenario, the poverty rate by 2043 is less than a percentage point below the Current Path forecast for that year of 20%. While accountable governance and effective service delivery are critical to improving livelihoods, economic growth is necessary to raise average incomes and in turn reduce poverty.



## Impact of scenarios on carbon emissions

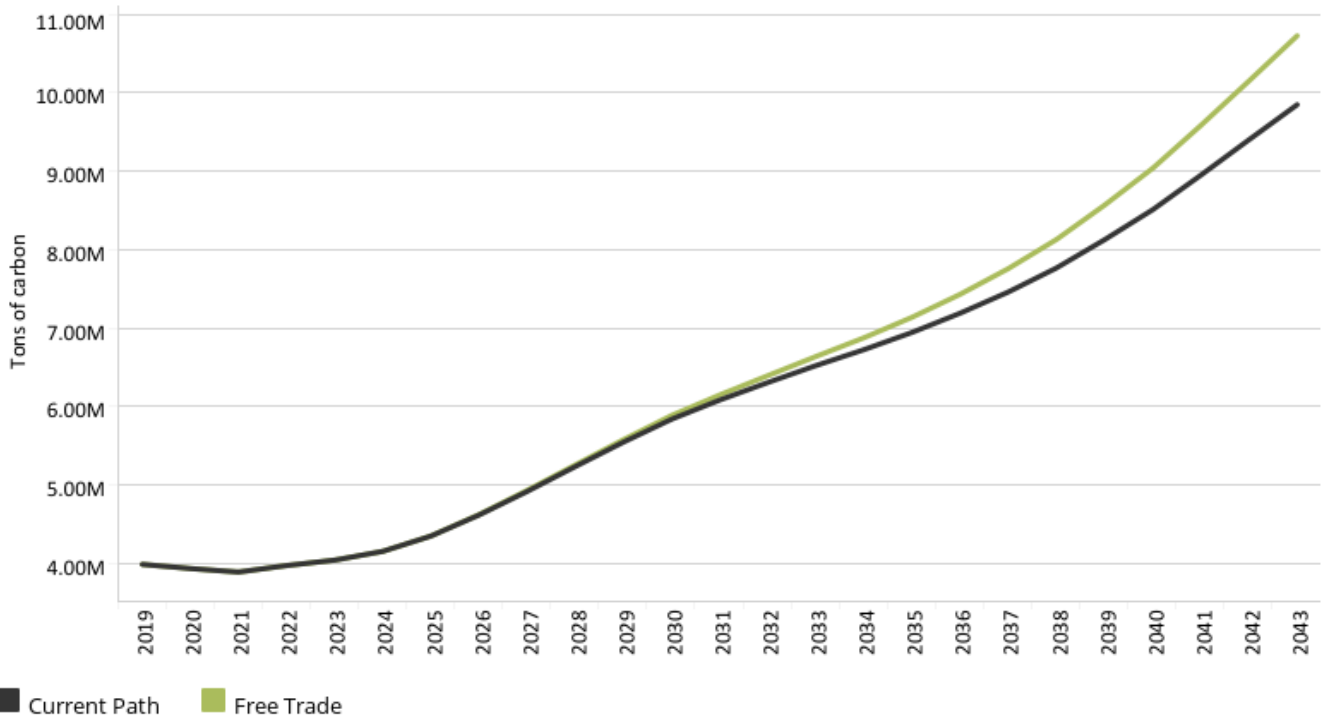
Chart 49 Chart 50 Chart 51 Chart 52 Chart 53 Chart 54 Chart 55 Chart 56 Chart 57 Chart 58 Chart 59

### Chart 54: Carbon emissions in CP and scenarios, 2019–2043

Million tons of carbon (note, not CO<sub>2</sub> equivalent)



Zimbabwe (Multiple values)



Source: IFs 7.63 initialising from Carbon Dioxide Information Analysis Center data

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This section presents projections for carbon emissions in the Current Path for Zimbabwe and the 11 scenarios. Note that IFs uses carbon equivalents rather than CO<sub>2</sub> equivalents.

On the Current Path, Zimbabwe’s carbon emissions will increase from the 2019 estimate of 4 million tons to nearly 10 million tons in 2043.

The Free Trade scenario increases Zimbabwe’s carbon emissions most dramatically over the Current Path, with emissions reaching 10.7 million tons by 2043 in that scenario. Conversely, the Demographic scenario, owing to slower population growth, causes a decrease in carbon emissions.

When weighing the effects of the scenarios on development, considering the impact on carbon emissions is crucial. Indeed, Zimbabweans are generally extremely vulnerable to the effects of climate change, particularly on agriculture. Climate change will cause Zimbabwe to become on average warmer and dryer. Droughts are likely to become more intense and frequent, and rain increasingly variable. Climate change – in addition to natural climatic cycles like El Niño – also intensifies the severity of major weather events like cyclones.

Because of the country’s high percentage of rural people, livelihoods in Zimbabwe are intimately connected with the rhythm of the seasons, the quality of the country’s natural resources and the preservation of its fragile ecosystems and

biodiversity.

The impacts of climate change are threatening these resources and contributing to extreme weather patterns. In March 2019, Cyclone Idai devastated Zimbabwe, Mozambique, and Malawi, affecting hundreds of thousands of Zimbabweans.

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Dr Jakkie Cilliers is the ISS's founder and former executive director of the ISS. He currently serves as chair of the ISS Board of Trustees and head of the African Futures and Innovation (AFI) programme at the Pretoria office of the ISS. His 2017 best-seller *Fate of the Nation* addresses South Africa's futures from political, economic and social perspectives. His three most recent books, *Africa First! Igniting a Growth Revolution* (March 2020), *The Future of Africa: Challenges and Opportunities* (April 2021), and *Africa Tomorrow: Pathways to Prosperity* (June 2022) take a rigorous look at the continent as a whole.

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