# Why Covid is not spreading in Africa

Ivermectin has proven efficacy against parasites and also exhibits anti-viral and anti-inflammatory properties.

Community directed treatment with Ivermectin is used in some African countries to eliminate parasitic diseases.

The impacts of these ivermectin distribution campaigns on the morbidity and mortality of COVID-19 were assessed.

## Ivermectin group

Countries with Ivermectin Distribution Campaigns

31 countries

## Non-Ivermectin group

Countries without Ivermectin Distribution Campaigns

22 countries

# Country Comparisons

## Ivermectin(31) vs. Non-Ivermectin (22)

| | Ivermectin (n=31) Mean ± SD | Non-Ivermectin (n=22) Mean ± SD | P-value |
|---|---|---|---|
| Average life expectancy (y/o) | 60.7 ± 4.8 | 66.4 ± 7.3 | .002 |
| Population (Million) | 31.3 ± 41.0 | 16.2 ± 24.7 | 1.103 (NS) |
| Morbidity per Million | 926.4 ± 926.2 | 6473.5 ± 7090.6 | .001 |
| Mortality per Million | 14.4 ± 13.2 | 121.9 ± 161.2 | .002 |

**Conclusions:** The COVID-19 morbidity and mortality in countries with community directed Ivermectin treatment programs were far lower than in ones without use. The programs were the strongest predictor of the improved survival and recovery rates amongst Africans. Ivermectin distribution programs should be considered in any region with rising case counts and fatalities from COVID-19.

Hisaya Tanioka, Sayaka Tanioka, Kimitaka Kaga: Why COVID-19 is not so spread in Africa: How does Ivermectin affect it? 2020 Mar 26; medRxiv preprint doi: https://doi.org/10.1101/2021.03.26.21254377
Hellwig Martin, Maia Anabela: A COVID-19 Prophylaxis? Lower incidence associated with prophylactic administration of Ivermectin. Int J Antimic. 2021 Jan;57(1):106248 doi: https://doi.org/10.1016/j.ijantimicag.2020.106248

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