

## Global Health Ministry Programs

Evidence of the efficacy of ivermectin comes from the rapidly increasing number of national and regional health ministries that have employed or are employing distribution or “test and treat” programs using ivermectin.



### MEXICO

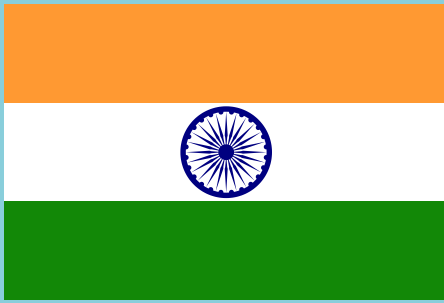
**Mexico City:** The IMSS Health Agency compared over 50,000 patients treated early with ivermectin to over 70,000 not treated and found up to a **75% reduction in need for hospitalization**.



### ARGENTINA

**Misiones:** The Health Ministry analyzed the first 800 of 4,000 ivermectin-treated patients and compared to the rest of the population over the same time period. They found a **75% reduction in need for hospitalization** and an **88% reduction in death**.

**La Pampas:** The Health Ministry compared over 2,000 patients treated early with ivermectin to over 12,000 without treatment and found that in patients over 40 years of age, **rates of ICU admission and death both fell by 40%**.



## INDIA

**Uttar Pradesh:** Used a strategy of **close surveillance combined with treatment with ivermectin** of all positive cases and preventive treatment of all family contacts.

On September 10, 2021, **only 11 cases with no deaths were recorded in a population of 241 million**. As of August 31, of the previous 187,638 tests performed, only 21 were positive, **an essentially zero positive rate or .01%**.



## BRAZIL

**Itajaí:** The city offered ivermectin as prevention to the entire population with 133,051 (60%) agreeing to take ivermectin every two weeks for 6 months. The health service collected data on the entire population prospectively and found that ivermectin users were **57% less likely to contract illness, had a 70% lower mortality rate, and a 67% lower hospitalization rate**. Citywide COVID mortality fell from 6.8% to 1.8% during the program.

A **follow-up study** analyzed usage data among program enrollees. Outcomes were compared among non-users, intermittent users, and regular users. **Regular users of ivermectin had a 100% reduction in hospitalization and a 90% reduction in mortality** compared to non-users.



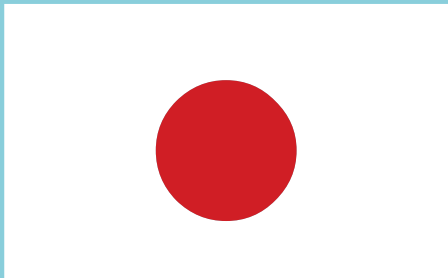
## PERU

**Nationwide:** A mass-distribution program called **Mega-Operación Tayta** was initiated at various times across 25 states beginning in May 2020. The program led to a **74% drop in regional excess deaths within a month**, with each drop beginning 11 days after each region's varied start times.



## PHILIPPINES

**Sultan Kudarat:** The local health authority of Sultan Kudarat region launched **an ivermectin drive** in September 2021 and found that **cases rapidly dropped by 86%**.



## JAPAN

The President of the Tokyo Medical Association recommended that all physicians start to use ivermectin as early treatment during their summer surge. They are now recording the **lowest rates of COVID hospitalization in the pandemic.**



## HONDURAS

**Nationwide:** Within two months of first detection of SARS-CoV-2, the government promoted **multi-drug inpatient and outpatient protocols to treat COVID-19.**

The outpatient protocol revolved around ivermectin, azithromycin, and hydrogen peroxide mouthwashes and nasal sprays.

The rapid implementation and widespread uptake of the two protocols was associated with a case fatality rate decrease from 9.33% to 2.97%. No decrease was seen in Mexico, a similar Latin American country that did not introduce multi-drug treatment protocols at that time.