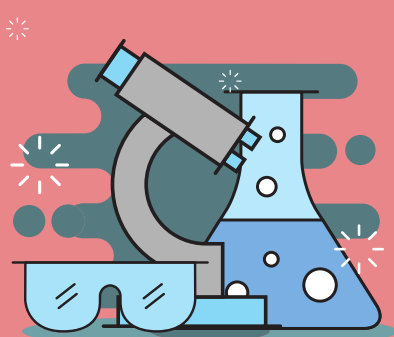


# THE TOTALITY OF EVIDENCE SUPPORTING IVERMECTIN IN COVID-19



## BASIC SCIENCE

- Ivermectin **inhibits many viruses**: West Nile, Dengue, Zika, SARS-COV1, SARS-COV2
- Ivermectin has **multiple anti-inflammatory properties**
- Ivermectin binds to SARS-COV2 and **prevents entry and replication**



## PHARMACOLOGY

- Ivermectin is a **safe drug** prescribed **BILLIONS** of times
- On the **WHO's list of essential medications**
- Reactions and Side Effects are **EXTREMELY RARE**
- Effective tissue concentrations are **easily reached** with **standard doses**



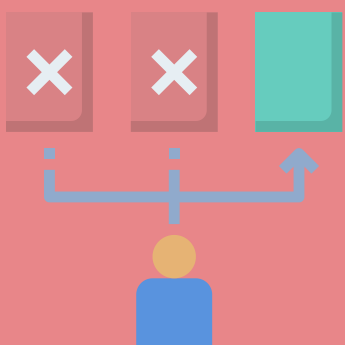
## CLINICAL EXPERIENCE

- **Clinicians worldwide** have reported **consistent positive results** in treatment of their covid-19 patients
- **Large case series** have reported **EXTREMELY** low rates of hospitalization and death
- **Dominican Republic** is one example with **3000** consecutive patients treated in the ER, **16** admissions, **1** death



## OBSERVATIONAL CLINICAL TRIALS

- **31** Trials, including over **6800** patients (August 2021)
- Consistent, often **LARGE Decreases** in:
  - **Transmission** from person to person
  - **Time to recovery**
  - **Hospital admissions, severe disease, and death**



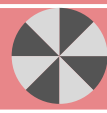
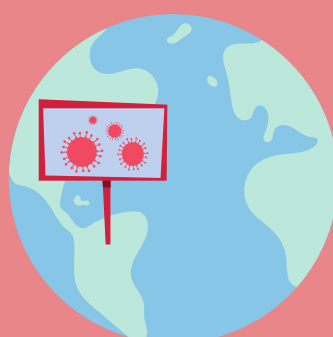
## RANDOMIZED CLINICAL TRIALS

- **27** trials including over **3400** patients (August 2021)
- Results of the studies found:
  - **LARGE** reductions in **mortality**
  - Dose dependent **reductions** in **time to viral clearance**
  - More **rapid clinical recovery**



## META-ANALYSES

- **Putting the OCTs and RCTs data together:**
- **63** trials **26,422** patients
- **52% - 91%** reduction in mortality
- **3 days faster** time to viral clearance
- **1.5 days faster** time to clinical recovery



## EPIDEMIOLOGIC STUDIES

- Large Health Ministry **"Test and Treat"** Program studies report
- **88% reduction** in death, **75% reduction** in hospitalizations
  - **75% reduction** in hospitalization in over **50,000** patients (**Mexico City, Mexico**)
  - **35% - 40% reduction** in death, ICU, hospitalization (**La Pampas, Argentina**)
  - **Uttar Pradesh, India (pop. 241 million)** eradicated COVID from the state with widespread, systematic use of ivermectin in prevention and treatment