Stay alive in the digitized world

### Al in Pediatric Infectious Diseases:

Created by

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### บทบาทของ AI ในงานโรคติดเชื้อในเด็ก

#### **Epidemic Forecasting**

Predict and track the spread of infectious diseases → early intervention and prevention measures.

#### Dx & Tx Optimization

Analyze medical images, laboratory results, & patient data.

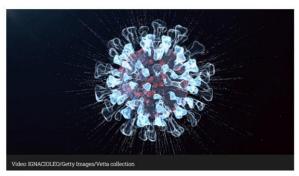
#### **Drug & Vaccine Development**

Analyze large amounts of data to identify potential targets & accelerate the research process.

# An Al Tool That Can Help Forecast Viral Variants

EVEscape predicts future viral mutations, new variants using evolutionary, biological information

By CATHERINE CARUSO | October 11, 2023 | Research



At a glance:

- New AI tool called EVEscape uses evolutionary and biological information to predict how a virus could change to escape the immune system.
- The tool successfully predicted the most concerning new variants that occurred during the COVID-19 pandemic.
- Researchers say the tool can help inform the development of vaccines and therapies for SARS-CoV-2 and other rapidly mutating viruses.

NATURE INDEX | 13 March 2024

# How AI is being used to accelerate clinical trials

From study design to patient recruitment, researchers are investigating ways that technology could speed up the process.

By Matthew Hutson





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