

Subject: Coronavirus containment modeling

Dear Dr. Fauci,

It has been many years since we corresponded regarding smallpox bioterrorism and vaccination control.

The attached paper on containing a community coronavirus outbreak from a few initial cases via isolation and quarantine might interest you. The news is mostly good - isolation and quarantine can get the transmission rate below epidemic threshold - but the key is rapid detection of infected persons. Also discussed are some ideas for alleviating congestion in the hospital. I hope that you find it helpful.

Best, Ed Kaplan

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