

# **NYAS Innovation Challenge: Tracking Coronavirus**

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# The Challenge

“To design a syndromic surveillance network to better understand the current pandemic and/or prevent future coronavirus outbreaks.”

***Syndromic surveillance:*** Using automated data acquisition and statistical alerts to monitor disease indicators in near real-time in order to detect disease outbreaks earlier than would be possible with traditional public health methods (CDC)

# Our Solution

The implementation of a universal medical record platform would not only simplify healthcare professionals' understanding of the severity of a coronavirus outbreak, but machine learning would also be able to use this data to hypothesize, predict, and map the locations of potential future epicentres.



"Ideally a healthcare system is preventative and forward-thinking, the best case scenario is when the system itself is able to reach out."

PUBLIC HEALTH NURSE (ANONYMOUS)



# Virtual Pitch

- Top 10 teams out of ~100
- Teams represented 21 different countries