How to minimise the impact of COVID-19 in your country?

As evidenced by Italy and Spain, the COVID-19 pandemic has the potential to overwhelm national healthcare systems and bring detrimental economic consequences to entire countries. Assistance call centres are overwhelmed, resulting in an uninformed population that becomes unattended due to the lack of resources to manage such a large volume of cases.

Social distancing is a strategy widely implemented around the world to slow down the spread of the virus and help institutions buy more time to prepare, but this strategy alone will not stop a pandemic. In order to do so, governments first need to understand it by knowing where the virus is and how is spreading.
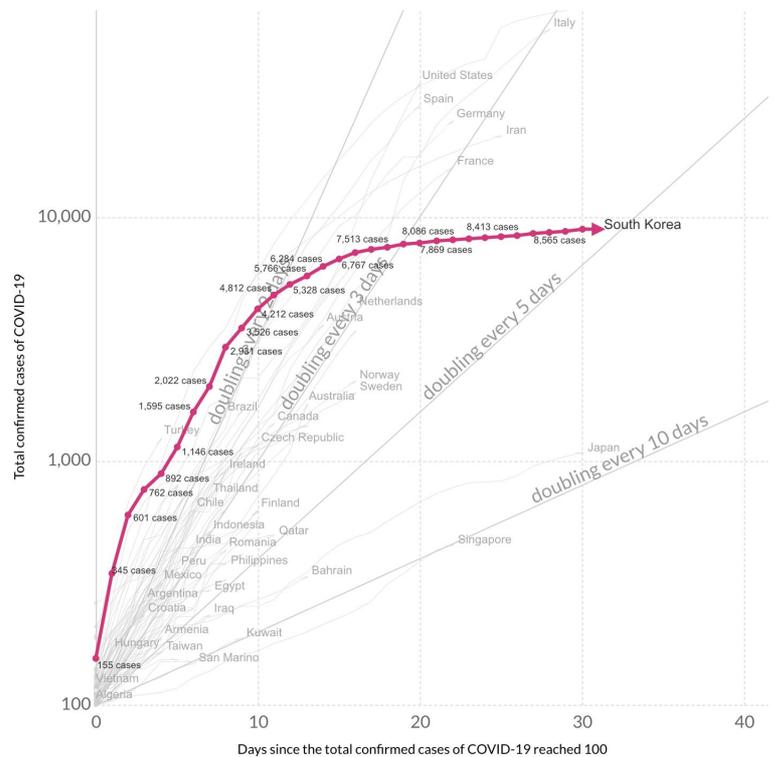
South Korea has proven that the most cost effective strategy to control the spread and minimise the economic impact is one that uses information as its core. Their response had two key elements*:

1. Mass testing to identify where the virus is to isolate just the cases that need isolation
2. Patient monitoring and geolocation

The success of their strategy can be observed in the flattening curve of their caseload over time, as seen in the graph to the right.

South Korea developed an app to implement their strategy, but the Ministry of the Interior and Safety in South Korea realised that some people may have difficulty downloading or using it and had to continue the use of their monitoring system through traditional telephone calls, which is still not a scalable solution.

Total confirmed cases of COVID-19

https://www.visualcapitalist.com/infection-trajectory-flattening-the-covid19-curve/

FollowApp Care: the technology that allows to monitor the health of your population

To increase population reach and efficiency of resources our technology uses:

1. Automation - Patient communication pathways that diagnose and triage with no human effort.
2. Simpler digital delivery via SMS, requiring no user downloads.

This solution creates the most cost-efficient method for governments to scale high-touch healthcare under systemic-stress. Because of the miniscule marginal cost of tracking patients with FollowApp Care, a much
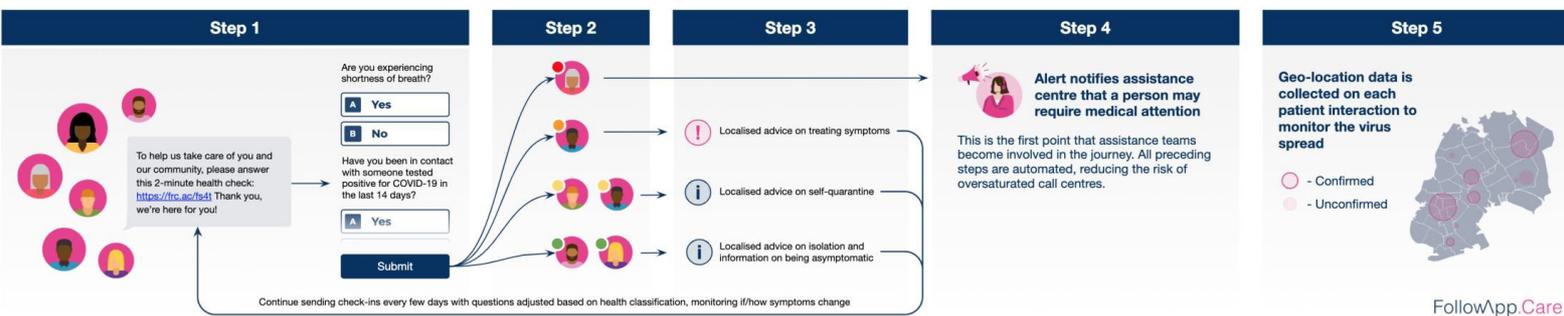
* https://www.wired.co.uk/article/coronavirus-uk-response-china

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larger percentage of the susceptible or possibly-infected population can be monitored, without stretching scarce medical resources. In addition, geolocation embedded in our survey application allows for location data to track hotspots and provide early warning for local hospitals about surging demand.

How It Works

FollowApp Care technology helps manage this crisis through automated patient communications, a symptoms checker and patient tracking. We use the following workflow:
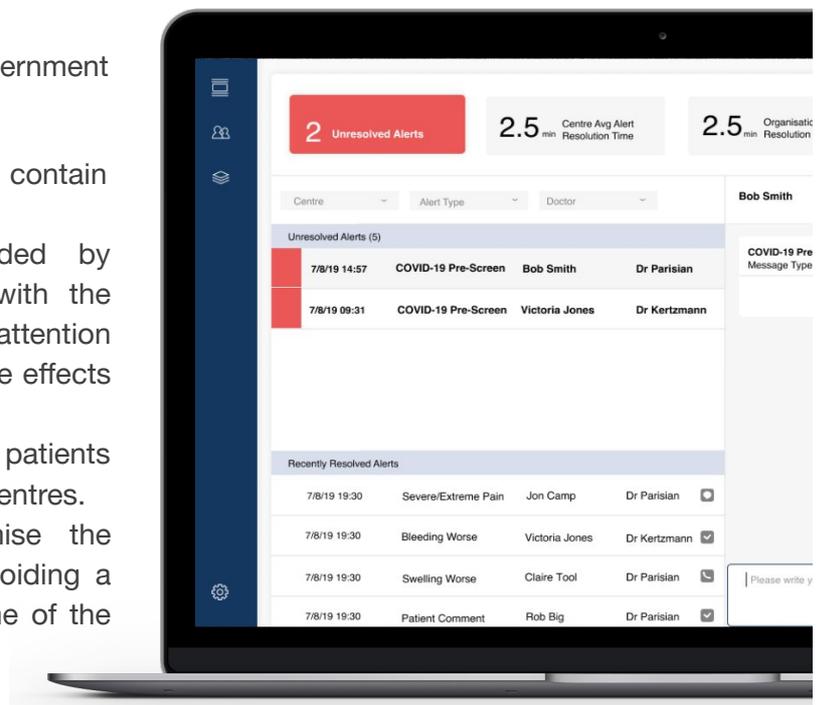
1. Send out email/SMSs to the whole population with a link to a health check-in. It is also possible to target a subset of the population such as those with a positive diagnosis of CV-19 in self-isolation or those who have been in contact with a known case of CV-19.
2. FollowApp Care automatically classifies each person (healthy, infected, mild symptoms, needs medical attention, etc.) based on the combination of their responses.
3. Automated patient pathways unique to these classifications will be created to keep every type of patient informed and attended.
4. An alert is triggered to notify the central assistance centre when a patient does require medical attention.
5. Geo-location data is collected on each patient interaction to monitor spread

The FollowApp Care system aggregates data into a dashboard and will highlight patients experiencing symptoms indicating a higher probability of needing medical intervention, On the aggregate, the system will provide at-a-glance estimation of the growth and intensity of cases, and collect highly granular symptom data that has not been possible before, and may yield vital clinical and immunological insights.

As a result, FollowApp Care will help your government and public health agencies to:

- Track the health of the entire population to contain the spread of the virus.
- Keep population informed and attended by providing each member of the public with the classification-specific information and attention each of them need, combating the negative effects of misinformation.
- Use resources efficiently - bringing only patients that require doctor's attention in to health centres.
- Identifying patients in need to minimise the economic impact of the pandemic by avoiding a country lockdown and/or reducing the time of the lockdown.

Please reach out to us at info@followapp.care if you or someone you know could benefit from this technology. We will be more than happy to help.

Followapp technology is ISO 27001 certified, American National Institute of Health validated and widely used by leaders in the private healthcare delivery worldwide: