



Battle with the Coronavirus

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Abstract

We provide an opinion piece on the epidemics of the Coronavirus regarding passenger ships.

Keywords: Coronavirus; Cruise ships; Cusack hinterland factor

Introduction

About the recent outbreak of the well published Coronavirus, I'd like to express that it is good that measures are being taken at the outset to attempt to limit the spread of the disease. As we know, if the infection rate is kept below 14%, the virus will die out saving 85% of those infected [1]. However, a major downfall is what is happening with the Cruise Ship passengers in Japan for example. Keeping people in quarantine under small spaces is the worst thing that can be done and permits the virus to spread more broadly amount that sample population [2]. We know from economics, that here is a critical distance that should be maintained to keep those infected as far away as possible from each other. The fact is called The Cusack Hinterland Factor and is equal to 2π . Keeping uninfected people coupled up in Quarantine in cramped quarters is a mistake because it allows for the virus to spread more widely in the population [3].

Volume of a sphere surrounding a person:

$$\text{Vol.} = \frac{4}{3}\pi R^3$$

Cusack Hinterland Factor = 2π

$$\text{Vol.} = \frac{4}{3}\pi(2\pi)^3 \times \frac{1}{2} \text{ below grade} = 7.127$$

This is the multiplier Effect from Economics

$$7.127 \times 2 = 14.25$$

$$1 - 0.1425$$

$$= 0.8575$$

$$= \sin 59^\circ$$

Multiplier

$$7.127^8 = 6.67 = G$$

G = Gravitational Constant

Conclusion

We hope that we learn from this outbreak so that costly mistakes won't happen again.

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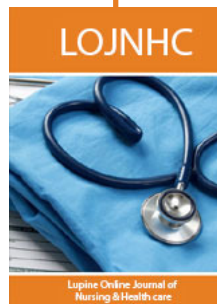


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