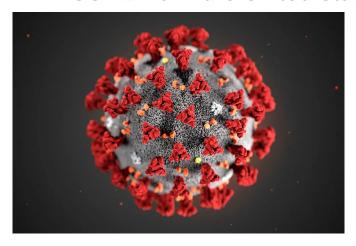
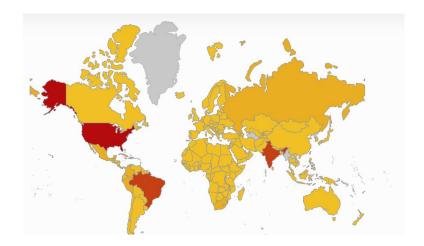
An Analysis on COVID-19 Preparation and Management

Asma Poshni

COVID-19 Background Information

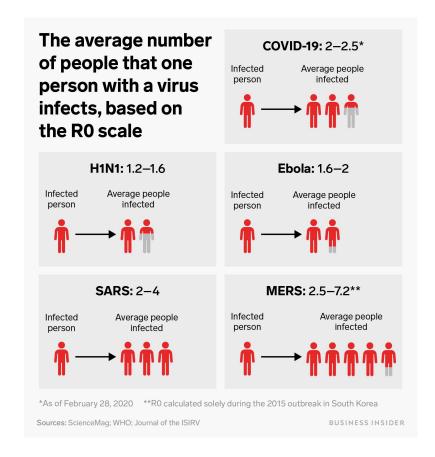
- Emergence of COVID-19 in Wuhan City, China
- Zoonotic origin
- Transmission
 - How did the virus spread so vastly and quickly?
- COVID-19 in the United States





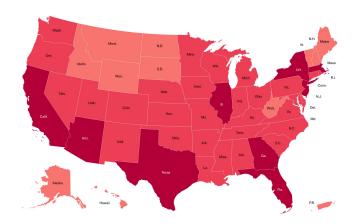
What is R-naught?

- What is the role of the R-naught value?
- What is the R-naught of COVID-19?
- How can governments use R-naught?



Analysis of the United States' COVID-19 Response/Preparation

- Initial response
 - What is necessary for a country to prepare?
- United States' PPE control



How the United States' Healthcare System Prepared

- Importance of strong leadership
- Limit number of people in hospitals
- Protection methods



Analysis of Oral and Maxillofacial Surgeon's Practice's Response

- Initial response to the pandemic
- After 2 months of staying closed
- New COVID-19 conscious procedures
 - Be aware of surgeries releasing bioaerosols
 - Training plans
 - New PPE

Affiliated OMS's COVID-19 Screening Procedure

- Questionnaire (3 times)
- COVID-19 test
 - Issued only to patients receiving a surgery that releases bioaerosols
 - Nasopharyngeal PCR swab test

Data

- .006% of patients indicated that they had either travelled or exhibited symptoms of COVID-19
- 137 patients needed an invasive surgery resulting in the release of bioaerosols

	Location				
	Olney, MD	Rockville, MD	Mount Airy, MD	All locations	
Total Questionnaire Positives	5	10	0	15	

	Location				
	Olney, MD	Rockville, MD	Mount Airy, MD	All locations	
Total Tests Administered (Tests only given to patients receiving surgeries resulting in the release of bioaerosols)	24	82	31	137	
Positive Test Results	0	0	0	0	

Challenges

- My initial internship was cancelled after I spent time preparing
 - Although I gained valuable knowledge
- Shift in my topic
 - Initially, I wanted to focus on the epidemiology of COVID-19, but as I continued researching and writing, I found myself really interested in the preparation and management of COVID-19

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- Dr. Krug
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- Affiliated Oral and Maxillofacial Surgeons of Maryland

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