


Biology 675

Project



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M&M


- Morbidity & Mortality

The start

- A nursing home reported 125 cases of **norovirus gastroenteritis** among residents and staff during the week of June 23.
- What do you need to know next?

Some information

Date	Number of cases
6/23	1
6/24	8
6/25	12
6/26	12
6/27	50
6/28	32
6/29	10
6/30	8



Quantitative evaluation

- Relative risk calculations

	Relative Risk
Mall trip	3.11
Restaurant X	6.08
Live on 2nd floor	16.52
Diabetes	1.13
Etc...	...

- Three nursing home residents returned from a cruise on June 21.

Next?

- On June 20, cruise ship X reported that 84 of 2,318 passengers had reported to the infirmary with norovirus gastroenteritis during a 7-day vacation cruise. According to federal regulations, when the incidence of acute gastroenteritis among passengers and crew exceeds 3%, an outbreak is defined and requires a formal investigation. Is this an outbreak?

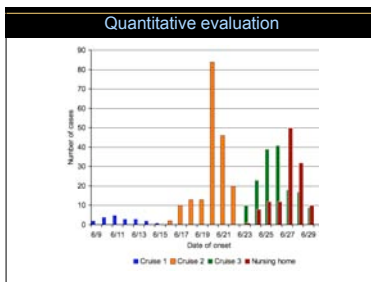
Next?

Some more information

Cruise 1	Date	Number of cases
	6/9	2
	6/10	4
	6/11	5
	6/12	3
	6/13	3
	6/14	2
	6/15	1

Some more information

	Date	Number of cases
Cruise 2	6/16	2
	6/17	10
	6/18	13
	6/19	13
	6/20	34
Cruise 3	6/21	46
	6/22	20
	6/23	10
	6/24	23
	6/25	39
	6/26	41
	6/27	18
	6/28	17
	6/29	9



- Qualitative evaluation**
- What is norovirus?
 - How is norovirus transmitted?
 - How is norovirus prevented? Treated?
 - What happened at the nursing home?
 - What happened on cruise 2?
 - Is this a typical outbreak?
 - What would you do before cruise 4?

Format. This grading form pdf must be turned in at the time of your presentation. One copy of your slides printed in handout format (3, 6, or 9 slides per page).

Title. Titles should be no more than ten words. The title and authors' names appears at the top of the poster.

The disease. Signs and symptoms of the disease.

The pathogen. Describe the pathogen.

Portal of entry/exit.

Data. Include case definition, index case, and relative risk calculations. Three figures including tables, graphs (e.g., incidence), and relative risk tables. Each figure must have an explanatory legend.

Discussion & Conclusions. Discuss how you arrived at your conclusions. Use references to explain whether your outbreak is typical or unusual.

Treatment of the disease.

Prevention of the disease.

References. You must use peer-reviewed articles. Include at least 5 current references in correct format. References must be cited somewhere in the Background or Discussion. References must be from peer-reviewed scholarly and professional journals feature articles written by researchers and medical personnel. Encyclopedias, wikis, and non-reviewed websites are not acceptable.

Q & A. You earn points by asking or answering questions.

Peer evaluation.

