Review the items on the allergies and post twice. For your first post, answer two of the five questions below (6 points):

1. Do you believe the “hygiene hypothesis” is supported? Explain your answer.\*
2. Peanut allergies were extremely rare prior to the 1990’s and the chart from the CDC shows how life-threatening food allergy events in children increased dramatically from 1998-2006. Can you think of any changes in hygiene during the last 30-40 years that could have played a role in the rising trend of childhood allergies?
3. Do you believe the “injected vaccine hypothesis” is supported? Explain your answer.\*
4. Peanut allergies were extremely rare prior to the 1990’s and the chart from the CDC shows how life-threatening food allergy events in children increased dramatically from 1998-2006. Can you think of any changes in the childhood vaccine schedule during the last 30-40 years that could have played a role in the rising trend of childhood allergies?
5. Do you think that special interests are disproportionately influencing research on the rising trend of childhood allergies? Explain.

\* It is acceptable to fully or partially support both the hygiene and injected vaccine hypothesis. It is also acceptable to reject both hypothesis.

For your second post you need to respond to a classmate (3 points). Below is a suggested format for responding:

1. I like how ….. because…..

or

1. I agree/disagree with…..because….

or

1. This relates to…..because…..

Here are the items:

*This chart from the CDC indicates a rising trend in life-threatening food allergy events in children:*

*A graph showing the number of hospital discharges

Description automatically generated*

*According to the “hygiene hypothesis,” babies raised in “clean” households are more inclined to have allergies due to lack of exposure to certain strains of bacteria. The article below summarizes a study that shows a correlation between hygiene and the likelihood of having allergies:*

<https://hub.jhu.edu/2014/06/09/newborns-allergy-asthma-risk/>

*This chart from* [*the cited study*](https://www.jacionline.org/article/S0091-6749(14)00593-4/fulltext) *shows significantly lower asthma rates in 3-year olds exposed to allergens in their first year of life:* <https://www.jacionline.org/article/S0091-6749(14)00593-4/fulltext>

*A graph of a number of exposures

Description automatically generated*

*This passage from "*[*The Peanut Allergy Epidemic*](https://www.utne.com/food/peanut-allergy-epidemic-ze0z1606zcbru/)*" by Heather Fraser presents the "vaccine hypothesis," whereby the increasing number of vaccines on the US childhood schedule is playing a role in the growing number of childhood allergies. I highlighted key portions of the passage in blue (See attached pdf):*

<https://www.utne.com/food/peanut-allergy-epidemic-ze0z1606zcbru/>

*Here is a table from* [*the Japanese study*](https://www.niid.go.jp/niid/images/JJID/R-9.pdf) *cited by Fraser. Note how nearly half the children who received the gelatin-containing DTAP had allergic reactions to gelatin (54 out of 126). This allergic response was undetected in the control group (0 out of 29):* <https://www.niid.go.jp/niid/images/JJID/R-9.pdf>

A close-up of a medical report

Description automatically generated