

Do not translate this slide:

Please make 2 sided cards (Each side will say: Side 1 or Side 2):

For Parts 1 & 2

-side 1 says "describe your role"

-side 2 has a lot of guiding questions to get at the details

In the corner, it will say Part 1, Part 2, or Part 3 and have something showing it is a card for one of the 4 groups

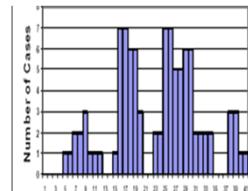
Human/animal clinical health will have:



Lab will have:



Epidemiology will have:



Policy will have:





Scenario Part 1



Card 1: You are a district-level veterinarian/animal health care provider

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

2



Scenario Part 1



Card 1: You are a district-level veterinarian/animal health care provider

Guidance Questions

- At this point in the exercise, what is your role?
- Would you be called by the farmer to address this situation?
- What actions, if any, would you take? Would you take and/or receive any samples? Would you conduct any tests? If so, what kind?
- Do you work independently or with others (maybe from nearby laboratories, veterinarians, or human health workers)?
- Would you be in contact with the laboratory (regional or national)? If so, before or after taking the tests?
- How do you store and transport samples (if taken). Would you have any contact at this point with the human health sector?
- Can you describe how you would evaluate the animal / herd health?

Side 2



Scenario Part 1



Card 2: You are a researcher who studies infectious, zoonotic diseases

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1



Scenario Part 1



Card 2: You are a researcher who studies infectious, zoonotic diseases

Guidance Questions

- Would you be involved in this situation?
- Who would contact you?
- What would be your specific roles and responsibilities?
- At what point would you be contacted to consult on this case?
 - If so, only from the animal health or also from the human health sector?
- Would you have any contact at this point with the human health sector?

Side 2



Scenario Part 1



**Card 3: You are animal health specialist working
for the national level government agency**

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1



Scenario Part 1



Card 3: You are a animal health specialist working for the national level government agency

Guidance Questions

- Would you be notified about this event other than through the news?
- What would be your role at this point.
- Would you have any contact at this point with the human health sector?

Side 2



Scenario Part 1



Card 1: You are a doctor at the hospital caring for the adult cases.

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1



Scenario Part 1



Card 1: You are a doctor at the hospital caring for the adult cases

Guidance Questions

- Would you be working at all with the laboratory on sampling?
- Do you collect or do you have nurses who collect samples?
- Are they tested locally or sent elsewhere?
- Do you have experts in country you can reach out to during unknown disease outbreaks?
- Would you have any contact at this point with the animal health sector?

Side 2



Scenario Part 1



Card 2: You are government human/public health policy specialist working at the regional level

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

10



Scenario Part 1



Card 2: You are government human/public health policy specialist working at the regional level

Guidance Questions

- Would you be involved in this situation?
- Who would contact you?
- What are your specific roles and responsibilities?
- At what point would you contact a national level office? Who would you contact?
- Would you have any contact at this point with the animal health sector?
- Do you have quarantine requirements or policies for animals being brought into a region or into the country?

Side 2



Scenario Part 1



Card 3: You are a national public health official

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

12



Scenario Part 1

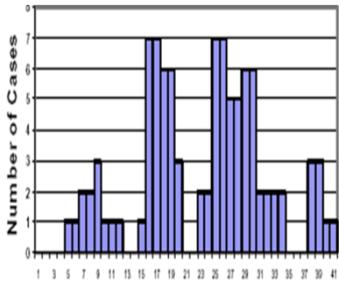


Card 3: You are a national public health official

Guidance Questions

- Would you be involved in this situation?
- Who would contact you?
- Would you have any contact at this point with the animal health sector?
- Would you be notified about this event other than through the news?

Side 2



Scenario Part 1



Card 1: You are an animal health epidemiologist called to investigate

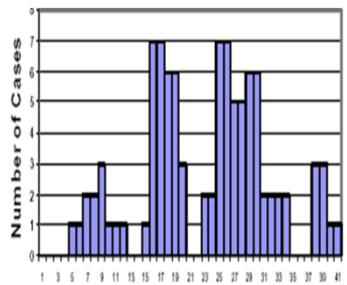
At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

14



Scenario Part 1

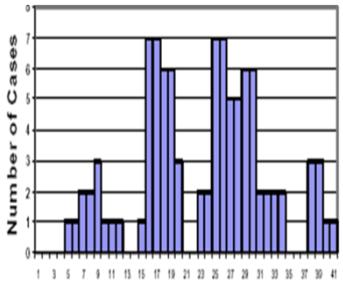


Card 1: You are an animal health epidemiologist called to investigate

Guidance Questions

- Do you have baseline information on endemic disease prevalence among dairy cows?
- Based on the exercise so far, would you consider this an outbreak? Why or why not?
- What type of information would you be collecting and how would you be collecting that information?
- What is your case definition?
- Would you be coordinating with the public health epidemiologist?
- Would you be coordinating with the laboratory or with the veterinarian locally?
- What are the differences between the roles of a regional/local and national level epidemiologist during an incident?

Side 2



Scenario Part 1



Card 2: You are a public health epidemiologist called to investigate

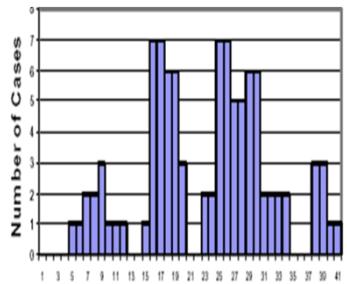
At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

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Scenario Part 1



Card 2: You are a public health epidemiologist called to investigate

Guidance Questions

- Based on the exercise so far, would you consider this an outbreak? Why or why not?
- What type of information would you be collecting and how would you be collecting that information, such as a linelist?
- Do you have baseline information on disease prevalence among hospital patients or nationally for respiratory illness?
- Do you have a case definition? If so, what is it?
- Would you be coordinating with the animal health epidemiologist or veterinarians?
- Would you be coordinating with the laboratory or with the hospital?
- What are the differences between the roles of a regional/local and national level epidemiologist during an incident?

Side 2



Scenario Part 1



Card 1: You work in an animal health laboratory

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

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Scenario Part 1



Card 1: You work in an animal health laboratory

Guidance Questions

- Would you be corresponding with your field veterinary clinicians at this point?
- Do you consult on unknown disease outbreaks prior to testing?
- Would you be collaborating with animal health epidemiologists, or other animal and human health laboratories?
 - If so, How would you communicate (written, email, phone) during the incident?
- What types of samples might you expect?

Side 2



Scenario Part 1



Card 1: You work in a university laboratory

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

20



Scenario Part 1



Card 1: You work in a university laboratory

Guidance Questions

- Would you be corresponding with field veterinary clinicians at this point?
- Do you consult on unknown disease outbreaks prior to clinicians taking samples?
- Would you be collaborating with animal health epidemiologists, or other animal and human health laboratories?
 - If so, how would you communicate (written, email, phone) during the incident?
- What types of samples might you expect?

Side 2



Scenario Part 1



Card 2: You work in a public health laboratory

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

22



Scenario Part 1



Card 2: You work in a public health laboratory

Guidance Questions

- At this point in the exercise, what is your role?.
- Would you be corresponding with doctors in the field at this point?
- Do you consult on unknown disease outbreaks prior to testing?
- Would you be collaborating with public health epidemiologists? Do you coordinate with the hospital?
- How do you communicate (written, email, phone) during the incident?
- What are the differences between the roles of a regional/local and national level laboratory during an incident?
- What types of samples might you expect?

Side 2



Scenario Part 2



Card 1: You are a district-level veterinarian/animal health care provider

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

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Scenario Part 2



Card 1: You are a district-level veterinarian/animal health care provider

Guidance Questions

You have learned the sick people have tested positive for brucellosis.

- Does the new information change your roles and action items?
- Would farmers ask you when to cull and how to dispose of animals becoming ill during the outbreak?
- Would you expect to be in contact with the animal health laboratory at this time (regional or national)? If so, before or after taking the tests?
- Would you expect to be in contact with the animal health agency at this time (regional or national)?
- Describe what you would do if samples were taken. Would you return to the farm for more samples? What types of samples would you have submitted?
- Would you expect to be getting calls from other farms locally whose cows had not yet become ill?



Scenario Part 2



Card 2: You work at the animal health government agency at the regional level

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

26



Scenario Part 2



Card 2: You work at the animal health government agency at the regional level

Guidance Questions

You have learned the sick people have brucellosis

- Does the new information change your roles and action items?
- What role does the government animal health agency play- at the regional level- during a brucellosis outbreak?
- Would you be involved in the investigation about the missing or stolen samples?
 - Does your concern about the missing agent increase because it is potentially brucellosis?
- Do you work with veterinarians on sample collection or herd health?
- Would you be a point of contact for community farmers during an outbreak?
- With the additional human cases, would you expect to have heard from the human/public health sector?

Side 2



Scenario Part 2



**Card 3: You are animal health specialist working
for the national level government agency**

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

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Scenario Part 2



Card 3: You are a animal health specialist working for the national level government agency

Guidance Questions

You have learned the sick people have brucellosis

- Does the new information change your roles and action items?
- What role does the government agency play- at the national level- during a brucellosis outbreak?
- Would you be involved in the investigation about the missing or stolen samples?
 - Does the likelihood that the samples may have been positive for brucellosis make you more concerned about the fact they are missing?
- Do you work with veterinarians on sample collection or herd health?
- Would you be a point of contact for community farmers during an outbreak?
- With the additional human cases, would you expect to have heard from the human/public health sector?

Side 2



Scenario Part 2



Card 1: You are a doctor at the hospital caring for the adult cases.

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

30



Scenario Part 2



Card 1: You are a doctor at the hospital caring for the adult cases

Guidance Questions

You have learned this is a brucellosis outbreak. With this new information,

- Do you contact veterinarians, animal health agencies?
- Do you have a protocol for handling patients in the hospital who are suspected cases of brucellosis?
- Do you have protocol for handling samples in the hospital or in shipping to the laboratory for suspected brucellosis cases?
- Would you have any more contact with the public sector at this time?

We know several hospital lab employees are ill.

- Would you be responsible for investigating these cases or caring for these patients?

Side 2



Scenario Part 2



Card 2: You work in public health at the regional government level

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

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Scenario Part 2



Card 2: You work in public health at the regional government level

Guidance Questions

You have learned this is a brucellosis outbreak. With this new information,

- Do you contact animal health agencies at this point?
- Do you have a protocol for investigating brucellosis?
- Do you provide guidance on occupational health precautions to the laboratories, doctors and/or veterinarians?
- Would you have increased or new contact with the national health office?

Side 2



Scenario Part 2



Card 3: You work in public health at the national agency level

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

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Scenario Part 2



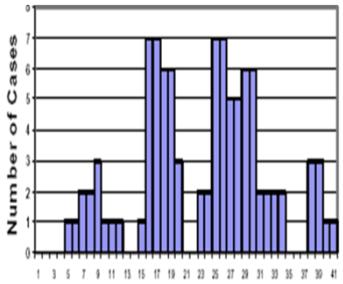
Card 3: You work in public health at the national agency level

Guidance Questions

You have learned this is a brucellosis outbreak. With this new information,

- Do you contact animal health agencies at this point?
- Do you have a protocol for investigating brucellosis?
- Do you provide guidance on occupational health precautions to the laboratories, doctors and/or veterinarians?
- Would you have increased or new contact with the regional health offices?
- Would you anticipate contacting other regions about this case?

Side 2



Scenario Part 2



Card 1: You are an animal health epidemiologist called to investigate

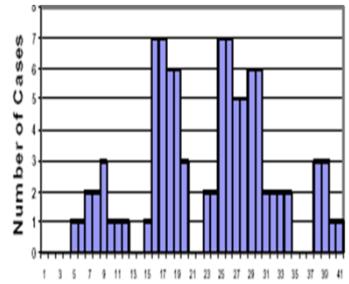
At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

36



Scenario Part 2



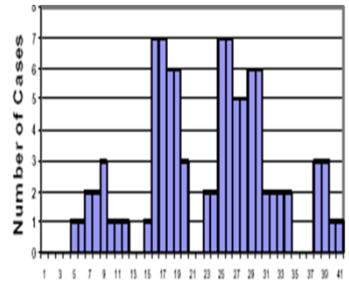
Card 1: You are an animal health epidemiologist called to investigate

Guidance Questions

You have learned this is a brucellosis outbreak.

- How would this information change your case definition?
- How would this information change your investigation?
- Would you be working in the field or in an office analyzing data?
- Do laboratories or veterinarians report to you about positive results for brucellosis or other zoonotic diseases?
- Would your level of interaction change with the human public health officials? If so, what types of interactions would occur?

Side 2



Scenario Part 2



Card 2: You are a public health epidemiologist called to investigate

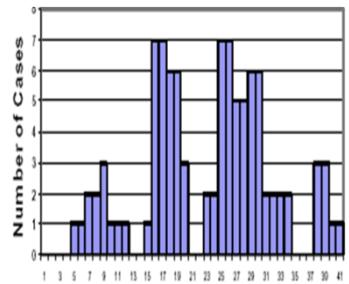
At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

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Scenario Part 2



Card 2: You are a public health epidemiologist called to investigate

Guidance Questions

You have learned this is a brucellosis outbreak.

- How would this information change your case definition?
- How would this information change your investigation?
- Would you be working in the field or in an office analyzing data?
- Do laboratories or hospitals report to you about positive results for brucellosis or other zoonotic diseases?
- Would your level of interaction change with the human public health officials? If so, what types of interactions would occur?

Side 2



Scenario Part 2



Card 1: You work in an animal health laboratory

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

40



Scenario Part 2



Card 1: You work in a university laboratory

Guidance Questions

You have learned this is a brucellosis outbreak. With this new information,

- Would you be working with animal health agencies at this point?
- Would you be asked to provide guidance to clinical veterinarians or human health doctors about testing for brucellosis?
- Would you be testing samples— from hospitals? From veterinarians?
- Would this news change how you and your staff handle samples in the laboratory from suspected cases?
- Would this news change how you and your staff store and dispose of samples in the laboratory from suspected cases?
- Would you have increased or new contact with the regional health offices?

Side 2



Scenario Part 2



Card 1: You work in a university health laboratory

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

42



Scenario Part 2



Card 1: You work in a university laboratory

Guidance Questions

You have learned this is a brucellosis outbreak. With this new information,

- Do you contact animal health agencies at this point?
- Are you in a position to call veterinarians and recommend testing for brucellosis?
- Would this news change how you and your staff handle samples in the laboratory from suspected cases?
- Would this news change how you and your staff store and dispose of samples in the laboratory from suspected cases?
- Would you have increased or new contact with the regional health offices?

Side 2



Scenario Part 2



Card 2: You work in a public health laboratory

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

On the other side of this card, you will find questions to help guide you if needed.

Side 1

44



Scenario Part 2



Card 2: You work in a public health laboratory

Guidance Questions

You have learned this is a brucellosis outbreak. With this new information,

- Do you contact public health agencies at this point?
- Are you in a position to call hospitals and recommend testing for brucellosis?
- Would this news change how you and your staff handle samples in the laboratory from suspected cases?
- Would this news change how you and your staff store and dispose of samples in the laboratory from suspected cases?
- Would you have increased or new contact with the animal health offices?

Side 2



Scenario Part 3



Card A: Animal Health Clinician

3 chickens have died in the house of the first farm with dead cows. The chickens were off feed for several days and had conjunctivitis.

What steps would you take to investigate? Why?

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3



Card A: Animal Health Clinician

Guidance Questions

- Do you think this is a related disease?
- What types of questions would you ask?
- Would you contact the animal health agency or laboratory to discuss?

Side 2



Scenario Part 3



Card A: Human Clinical Medicine

Emergency rooms in Ghardaia are filling up with patients with fevers, worried that they have brucellosis.

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3

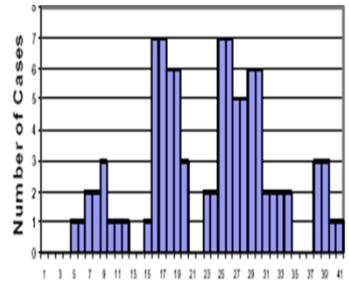


Card A: Human Clinical Medicine

Guidance Questions

- What would your advice be to the medical staff and reception staff at the hospital?
- Do you think these cases are related? What additional information might you need?
- Would you work with the epidemiologists on investigation or on education messages for the public?

Side 2



Scenario Part 3



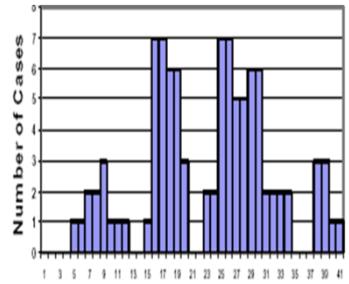
Card A: Epidemiology Table

80% of hospital cases had eaten raw cheese made from milk from this region

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3



Card A. Epidemiology Table

Guidance Questions

- Can you prove that the milk is the cause? Why or why not?
- What other information might you need to make that determination?
- Would you contact animal health agencies and/or veterinarians at this time?
- What action would you take to prevent additional consumption of the cheese--it is the cause of the illness?
- Would animal health epidemiologists be involved in investigating this dairy or these milk production facilities?

Side 2



Scenario Part 3



Card A. Policy Table-

80% of hospital cases had eaten raw cheese made from milk from this region

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3



Card A. Policy Table

Guidance Questions

- Are food-borne outbreaks addressed regionally or nationally?
- What policy specifically addresses concerns about pathogens from milk?
 - Regional or national?
- Would policymakers be involved in the investigation at all? Is there a plan or policy in place to address food-borne outbreaks

Side 2



Scenario Part 3



Card A: Laboratory Table

A storm has hit the region where your laboratory is located and the power is out.

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3



Card A. Laboratory Table

Guidance Questions

- Do you have backup power for the lab equipment and refrigerator/freezers?
- Do you have a protocol for how to handle samples during a power loss?
- Are there logs to check the freezer temperatures?
- Would anyone be checking to ensure the samples were secure in the laboratory?

Side 2



Scenario Part 3



Card B: Animal Health Clinicians

It is now November and there have not been any additional cases.

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3



Card B: Animal Health Clinician

Guidance Questions

- How do you decide an outbreak has ended?
- What do you do after the outbreak is over? Continue looking for cases?
- Do you do after action review after outbreaks?
- Would you consult with the epidemiologists or the public health sector prior to deciding the outbreak is over?
- Would you provide farmers any advice about this outbreak in terms of herd management?

Side 2



Scenario Part 3



Card B: Policy Table

You receive notice that a patient with intermittent fever tests positive in December (several months after the last cases) for brucellosis

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3

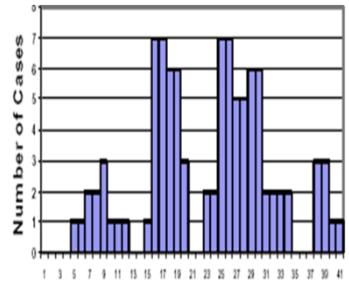


Card B: Policy Table

Guidance Questions

- Which agency decides when the outbreak has ended?
 - Regional or national?
- Is there a policy for post-outbreak disease surveillance?
- Would you be concerned the new case is another outbreak? (can ask the clinical or epidemiology tables)
- Did you do an after action review after the outbreak?
 - If so, do you update your outbreak response plans to address ways to improve future response?

Side 2



Scenario Part 3



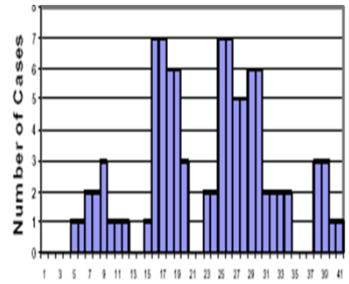
Card B: Epidemiology Table

A patient with intermittent fever tests positive in December (several months after the last cases) for brucellosis

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3



Card B. Epidemiology Table

Guidance Questions

- Would you be concerned there is another outbreak?
- How do you decide when the outbreak is over?
- What makes this a unique disease?
- Would you have a specific investigation for this case?
- Would you work with the human or animal health government agencies?
- Would you work with the hospital or the laboratory?
- Would you have conducted a formal after action review after the outbreak?
- Is there a difference for the questions above for the animal and human epidemiologists?

Side 2



Scenario Part 3



Card B: Laboratory Table

It is December, the outbreak has been over for several months. You notice a few samples from positive brucellosis cases left in the freezer and in a refrigerator.

At this point in the exercise, what is your role?

Please be as detailed as possible and think about how you do your work with a step-by-step approach.

Side 2



Scenario Part 3



Card B. Laboratory Table

Guidance Questions

- Would you have learned from the epidemiologists or public health/animal health sectors that the outbreak had ended?
- Do you have a protocol for how long to keep and store samples in this case?
- Would you dispose of the samples? If so, how?
- Do you have inventories to monitor the samples (how many and which ones are in which freezers, and so forth)?
- Is there a difference for the questions above for the animal and human health laboratories?

Side 2