

## Procedure

Examine the data and answer the following questions.

1. Explain to the other hospital board members why this situation needs to be investigated.
2. Use the steps in the scientific method.
  - a. Define the problem.
  - b. Gather information.
  - c. Make a hypothesis.
  - d. Design and implement an experiment to test your hypothesis.
  - e. Create a data table to record the results of the blood-typing.

Name	Blood Type	Blood Type Received
Mr. S. Smith		
Mr. Jones		
Ms. Johns		
Ms. Tims		
Mr. Williams		
Ms. Ellis		
Ms. Post		
Mr. Ackerman		
Mrs. Carter		
Mrs. Patterson		

- f. Accept or reject your hypothesis and support your answer with data.
- g. What happened to Mr. Jones?
- h. Explain why Ms. Johns did not have any problems, even though they gave her the wrong type of blood.
- i. Did any of the patients who received type O have any problems? Explain why someone who received type O- in surgery might have a problem with agglutination.
- j. Explain on a cellular level why giving someone type B if he or she is type A would be a problem.
- k. Why did this day have an abnormally high mortality rate?
- l. Do you think this is a case of criminal activity or negligence?