

## ACTIVITY 4E: FRACTURE RATE — GRAPH QUESTIONS

### Answer Key

1. According to the graph, what trend is seen as a person ages?

*As a person ages the chances of bone fractures occurring increases.*

2. Is there a difference between the fracture rates in men and women? Why do you think that?

*The fracture rate in men is lower than in women. Men have greater bone density to begin with and have less bone loss over time than women.*

3. Why do you think fracture rate increases with age?

*As a person ages their bones become less dense which makes it easier for a bone to break.*

4. The hip is one of the most common body sites for fractures. Why do you think it is such a common break site?

*It is a weight-bearing bone. It is also the end of a bone which is less dense than the middle of the bone. Breaks usually occur at the end of a bone. (Note: other osteoporotic sites with cancellous bone that fracture include the vertebral bodies and the radius near the wrist).*