

ACTIVITY 5B: PLOTTING POINTS ON THE “BONE MASS ACROSS A LIFE SPAN” GRAPH

PLOTTING POINTS ON THE “BONE MASS ACROSS A LIFE SPAN” GRAPH Answer Key

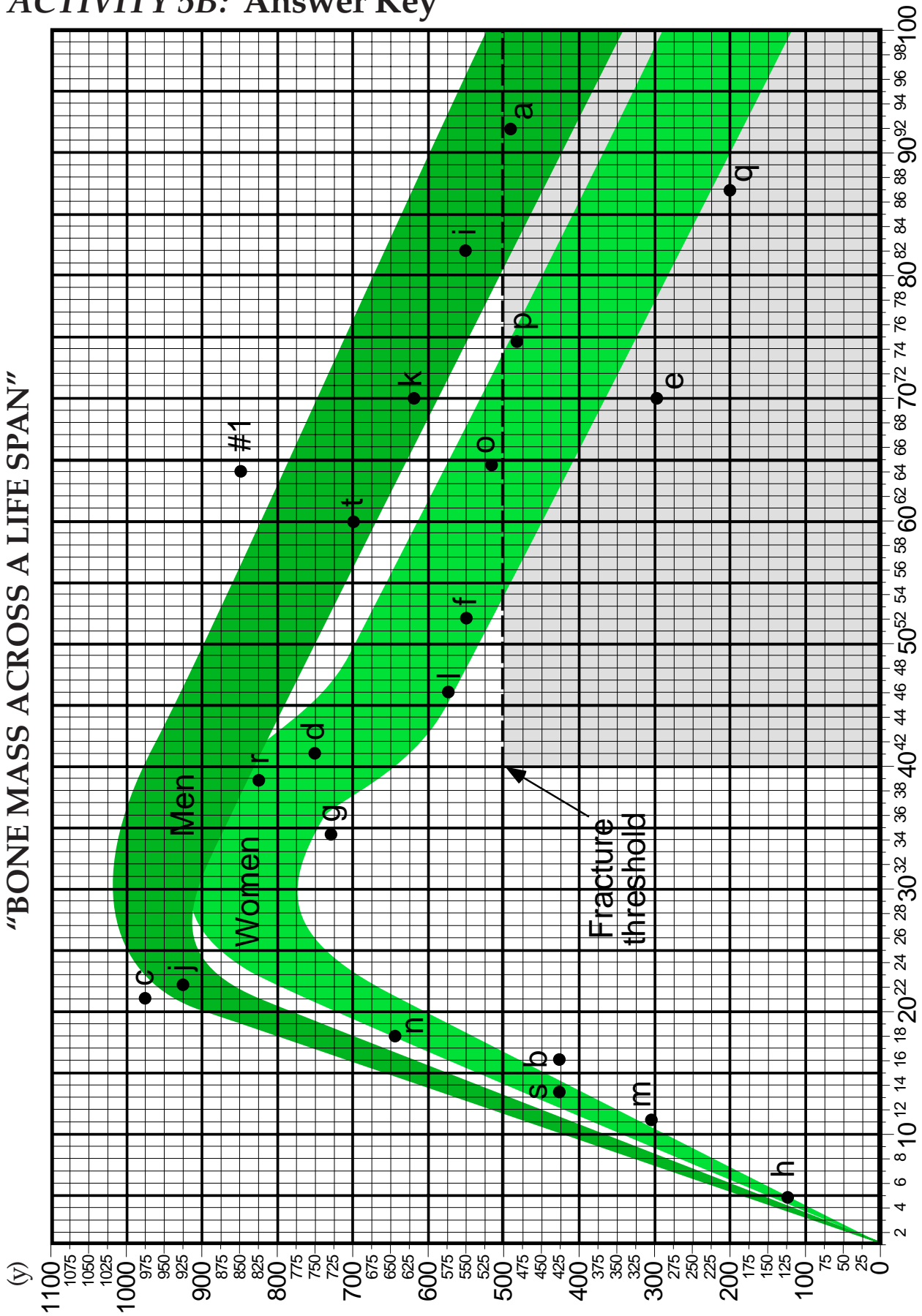
1. Dr. Tu’s patient’s point is above the fracture threshold. The patient is most likely a male.
 - a) circle B and M (just below fracture threshold; most likely male)
 - b) circle N and F (fracture threshold not a factor; most likely female)
 - c) circle N and M (fracture threshold not a factor; most likely male)
 - d) circle A and F (above fracture threshold; most likely female)
 - e) circle B and F (below fracture threshold; probably female)
 - f) circle A and F (above fracture threshold; most likely female)
 - g) circle N and F (fracture threshold not a factor; most likely female)
 - h) circle N and F (fracture threshold not a factor; probably female)
 - i) circle A and M (above fracture threshold; most likely male)
 - j) circle N and M (fracture threshold not a factor; most likely male)
 - k) circle A and M (above fracture threshold; most likely male)
 - l) circle A and F (above fracture threshold; most likely female)
 - m) circle N and F (fracture threshold not a factor; most likely female)
 - n) circle N and F (fracture threshold not a factor; most likely female)
 - o) circle A and F (above fracture threshold; most likely female)
 - p) circle B and F (below fracture threshold; probably female)
 - q) circle B and F (below fracture threshold; probably female)
 - r) circle A and F (above fracture threshold; most likely female)
 - s) circle N and F (fracture threshold not a factor; most likely female)
 - t) circle A and M (above fracture threshold; most likely male)

3. Let him know that he is nearing the fracture threshold and has a bone mass that is unusually low for males. Knowing this, students may advise him to talk to Dr. Tu about calcium therapy, increasing his weight-bearing exercise, and eating more foods rich in calcium.

4. Patient “i” has a high bone mass level for a female at the age of 82, but a low bone mass level for a male. If the patient were male, he might be concerned that his bone mass level would continue to decrease and put him more at risk of fracture.

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AGE (years)

(x)