Analyzing the multiple choice question as a graduate statistics student:

The question asks which graph demonstrates that bone density decreases as women age. Given that bone density is measured as a standardized score (mean 0, SD 1) where lower scores indicate lower bone density, I need to identify which graph shows a negative correlation between age (x-axis) and bone density (y-axis).

Looking at each graph:

Graph A: Shows a clear negative relationship where bone density scores (y-axis) decrease as age (x-axis) increases. The data points form a pattern with a negative slope, indicating that older women tend to have lower bone density scores.

Graph B: Shows a positive relationship where bone density scores increase with age. This contradicts the premise that older women have lower bone density.

Graph C: Shows no clear relationship between age and bone density. The data points appear randomly distributed with no discernible pattern.

Therefore, the correct answer is (A) Graph A, as it clearly demonstrates the negative relationship between age and bone density that the question is asking about.