

26. The probability that a randomly chosen male has a circulation problem is 0.25 . Males who have a circulation problem are twice as likely to be smokers as those who do not have a circulation problem.

What is the conditional probability that a male has a circulation problem, given that he is a smoker?

(A)  $\frac{1}{4}$

(B)  $\frac{1}{3}$

(C)  $\frac{2}{5}$

(D)  $\frac{1}{2}$

(E)  $\frac{2}{3}$