Example: Relationship between hypertension and CHD using probability laws

We examine the relationship between hypertension and CHD at baseline in the Framingham study population, using the concepts of probability learned this week.

a) What is the probability that a Framingham participant has hypertension or CHD at baseline?

b) Are these two events independent? Would you expect these events to be independent?

c) What is the probability that a participant has CHD at baseline? What is the probability that a participant has CHD at baseline, given that he/she has hypertension?