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3) $p = 0.9$
 $n = 10$ $X = \#$ de pacientes que viven después

$$X \sim \text{bin}(p=0.9, n=10)$$

$$P(X=x) = \binom{10}{x} \cdot 0.9^x \cdot (0.1)^{10-x}$$

$$P(X=8) = \binom{10}{8} \cdot 0.9^8 \cdot (0.1)^2 = 0.193710$$