Frequentist 16: M=78 HA 1778 Test Stat P(data model) Z + ME

prior 95% P(model/data) 63

D = be the event that the person has the disease t = be the event that they tested positive

Person have disease?	Test Positive?			0/0)
		Yes	No	P(D) = 0.005
	Yes	True Positive 0.99	False Negatives	P(+1D) = 0.02
	No	False Positive 0.02	True Negative	P(+1D) = 0.99
	1			P(D1+)=

Thrm

$$P(D|+) = \frac{P(+|D|) \cdot P(D)}{P(+)}$$

$$O.005 D$$

$$O.005 D$$

$$I-0.99 - False Negative$$

$$I-0.005 D$$

$$O.002 + False Prxitive$$

$$I-0.005 - True Negative$$

$$I-0.005 - True Negative$$