

asia	
yes	0.010
no	0.990

$$P(\text{tub} \mid \text{asia}) = 0.05$$

$$P(\text{tub} \mid \neg \text{asia}) = 0.01$$

tub	
yes	0.010
no	0.990

$$P(\text{either} \mid \text{tub}, \text{lung}) = 1.00$$

$$P(\text{either} \mid \text{tub}, \neg \text{lung}) = 1.00$$

$$P(\text{either} \mid \neg \text{tub}, \text{lung}) = 1.00$$

$$P(\text{either} \mid \neg \text{tub}, \neg \text{lung}) = 0.00$$

$$P(\text{xray} \mid \text{either}) = 0.98$$

$$P(\text{xray} \mid \neg \text{either}) = 0.05$$

either	
yes	0.065
no	0.935

xray	
yes	0.110
no	0.890

smoke	
yes	0.500
no	0.500

$$P(\text{lung} \mid \text{smoke}) = 0.10$$

$$P(\text{lung} \mid \neg \text{smoke}) = 0.01$$

lung	
yes	0.055
no	0.945

$$P(\text{bronc} \mid \text{smoke}) = 0.60$$

$$P(\text{bronc} \mid \neg \text{smoke}) = 0.30$$

bronc	
yes	0.450
no	0.550

$$P(\text{dysp} \mid \text{either}, \text{bronc}) = 0.90$$

$$P(\text{dysp} \mid \text{either}, \neg \text{bronc}) = 0.70$$

$$P(\text{dysp} \mid \neg \text{either}, \text{bronc}) = 0.80$$

$$P(\text{dysp} \mid \neg \text{either}, \neg \text{bronc}) = 0.10$$

dysp	
yes	0.436
no	0.564