

	To get Odds Against = Odds $(A)^{-1} = \frac{P(\bar{A})}{P(A)} = \frac{1 - P(\bar{A})}{P(\bar{A})}$
	Ex: At a racing track, they want you to lose, so
(aux	they'll give you odds againts " odds. If you bet \$1
	you'll get \$4 if you win"
lung la	nuer Example: (A) = smoker, (B) = lung carrer
	P(A) = 0.2
	P(B) = 0.06
	P(A,B)=P(AAB) = 0.036
*	P(A B) = 99000 P(ANB) = 0.036 = 0.66.
*	$\frac{P(A B) = \frac{P(A \cap B)}{P(B)} = \frac{P(A \cap B)}{P(B)} = \frac{0.036}{0.06} = 0.66}{0.06} = 0.2 - 0.036} = 0.1748$
	Les lack at all the ppl who don't have lunge cancer,
	probability that they smoked.
*	P(B A) = ? Numerator: P(B A) = P(A B) P(B) P(B A) = ? Numerator: P(B A) = P(A)
	Denominator: P(B A) = P(A B)P(B) (a) (a) (a) (b) (b) (b) (b) (c) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d
	So DIDIA) likelihood ratio
	$\frac{P(B A)}{P(\overline{B} A)} = \frac{P(A B)}{P(A \overline{B})} \left(\frac{P(B)}{P(\overline{B})}\right)$
	Posterior Prior odds Based on the general population
	odds. Then, when you're given data everything Δ 's.
	0.22 = (3.44) (0.064)
The odds of getting	$0.22 = \left(\frac{0.6}{0.174}\right) \left(\frac{0.06}{0.94}\right)$
lung cancer given	* Posterior > Prior with introduction of data
that the person smokes is 0.22	the set and all the second as the
22°/s.	$\frac{P(B)}{P(\overline{B})} \xrightarrow{\text{intro to } A} \frac{P(B A)}{P(\overline{B} A)}$
	P(B(A)
	Control of the Contro









