

prevalence = D/ALL

se	+ D	prevalence indep
sp	- H	
false neg rate		
1-se	- D	
false pos rate		prevalence DEP
1-sp	+ H	
PPV	D +	
NPV	H -	
false alarm rate		
1-PPV	H +	
false reassurance rate		
1-NPV	D -	

incidence = NEW cases over t time / number at risk

incidence RATE = incidence / t time

RR_D	(D R+)/ (D R-)	PPV/(1-NPV)
RR_H	(H R+)/ (H R-)	(1-PPV)/NPV
LR+	+ D / + H	se/(1-sp)
LR-	- D / - H	(1-se)/sp
OR_D	(O_D R+) / (O_D R-)	RR_D / RR_H
OR_H	O_H R+ / O_H R-	RR_H / RR_D
O_D = D/H O_D_post = O*LR		

D: diseased

H: healthy

+/- Test result

R+ risk factor present

R- risk factor NOT present

RR: Relative Risk: $RR_A = P(A|R+)/P(A|R-)$

$O = p/1-p$

$p = O/1+O$

diagnostic test cheat sheet (c) G.Schay