

Tu et al. N Engl J Med 2020; 383:494-496

test	Aandoening nasopharynx			
	pos	neg		
nasal	pos	47	1	48
	neg	3	447	450
		50	448	498
	sens %	94		
	spec %	99.77679		
	prev %	10.04016		
	fout neg %	6	6	
	fout pos %	0.22371	0.22321	

Test	aandoening		
	pos	afwezig	
	pos	a	b
	neg	c	d
		a+c	b+d

$$\text{sens} = a/(a+c)$$

$$\text{spec} = d/(b+d)$$

$$\text{prevalentie} = (a+c)/(a+b+c+d)$$

$$\text{fout neg} = c/(a+c) = 1 - \text{sens}$$

$$\text{fout pos} = b/(b+d) = 1 - \text{spec}$$

Pere et al. Clin Microbiol 2020

test	Aandoening nasopharynx			
	pos	neg		
nasal	pos	33	0	33
	neg	4	7	11
		37	7	44
	sens %	89.18919		
	spec %	100		
	prev %	84.09091		
	fout neg %	10.81081	10.81081	
	fout pos %	0	0	

a+b
c+d
a+b+c+d