

### Calculating pretest odds

Pre test odds =  

$$\frac{\text{pre test probability}}{(\text{pre test probability})}$$

Pre test probability	Pre test odds
0.1%	0.001
1	0.01
2	0.02
3	0.03
4	0.04
5	0.05
10	0.11
20	0.25
30	0.43
40	0.67
50	1
60	1.5
70	2.3
80	4
90	9
95	19
99	99

### Converting back post test odds

Post test probability =  

$$\frac{\text{Post test odds}}{\text{Post test odds} + 1}$$

Post test odds	Post test probability
0.001	0.1%
0.01	1
0.02	2
0.03	3
0.04	4
0.05	5
0.1	9
0.2	17
0.3	23
0.4	29
0.5	33
0.6	38
0.7	41
0.8	44
0.9	47
1	50
2	67
3	75
4	80
5	83
10	91
20	95
30	97
40	98
50	98
100	99

**NOMOGRAM\* FOR INTERPRETING  
DIAGNOSTIC TEST RESULTS**

