

- Remember, Power ( $1-\beta$ ) is related to:
  - sample size (i.e.,  $N$ )
  - effect size
  - $\alpha$
- Can't do anything about the effect size.
- If you change the  $\alpha$  level, you do increase the power but also the probability of a Type I error.
- You can increase the sample size.....

For  $\alpha = 0.05$ , at  
power = 0.8,  
 $\delta = 2.8$

$\delta$	$\alpha = 0.05$
2.6	0.74
2.7	0.77
2.8	0.8
2.9	0.83
3	0.85
3.1	0.87