

## The Effects of Treatment on Outcomes

Outcomes of Interest	Event rates or risk (ER)		Relative risk	Relative risk reduction	Absolute risk reduction	Number needed to be treated (to prevent one event over a time period)
	Control group event rate (CER)	Experimental group event rate (EER)	$RR = \frac{EER}{CER}$	$RRR = \frac{(CER - EER) \times 100\%}{CER}$	$ARR =  CER - EER $	$NNT = 1/ARR$
TNT primary outcome: Death from CHD, MI, resuscitation after cardiac arrest, fatal/non-fatal stroke	10.9%	8.7%				(4.9 yrs)
TNT original primary outcome: Death from CHD, MI, resuscitation after cardiac arrest	8.3%	6.7%				(4.9 yrs)
Low risk (Based on GRACE calc)	5%					
Medium risk	13%					
High risk	29%					

