

PEARSON PRODUCT-MOMENT CORRELATIONS AND EFFECT SIZES

<i>r</i>	<i>Chances of survival without medication (%)</i>	<i>Chances of survival with medication (%)</i>	<i>Improvement on Initial Odds (%)</i>	<i>r² Variance explained (%)</i>	<i>Qualitative Description of the Effect</i>
.01	49.5	50.5	1	<< 1	very small
.05	47.5	52.5	11	< 1	small
.10	45	55	22	1	small
.20	40	60	50	4	moderate
.30	35	65	86	9	large
.40	30	70	233	16	large
.50	25	75	300	25	very large
.80	10	90	900	64	very large

<i>r</i>	<i>Research findings with correlations of comparable magnitude</i>
.01	Routine ultrasound examinations and successful pregnancy outcomes (.01); aspirin and reduced risk of death by heart attack (.02); chemotherapy and surviving breast cancer (.03)
.05	Alendronate and reduction in fractures in postmenopausal women with osteoporosis (.05); general batting skill as a Major League baseball player and hit success on a given instance at bat (.06)
.10	Gender and observed risk-taking behavior (.09); impact of parental divorce on problems with child well-being and functioning (.09); combat exposure in Vietnam and subsequent PTSD within 18 years (.11)
.20	Clozapine (vs. conventional neuroleptics) and clinical improvement in schizophrenia (.20); validity of employment interviews for predicting job success (.20)
.30	Sleeping pills (benzodiazapines or zolpidem) and short-term improvement in chronic insomnia (.30); psychotherapy and subsequent well-being (.32)
.40	Past behavior and predictor of future behavior (.39); loss in habitat size and population decline for interior-dwelling species (.40)
.50	Sensitivity of total serum cholesterol levels to changes in dietary cholesterol (.50); increasing age and declining speed of information processing speed in adults (.52)
.60	Nearness to the equator and daily temperature in the U.S.A. (.60); neuropsychologists' test-based judgments and presence/localization of impairment (.60)
.70	Critic ratings when a film is first released on its later rating in movie guides (.71); maximum output and total lifetime output of classical composers (.72); the success of an opera premiered 1780-1799 and contemporary popularity (.73)
.80	The productivity of scientists in their 40s and productivity in their 50s (.80); number of eminent artisans in generation <i>g</i> and the number in <i>g</i> – 1 in Chinese civilization (.80); minority and majority eminence ratings of distinguished African Americans (.82)
.90	Rated presidential greatness and predicted greatness (.91); creative productivity per decade and the predictions of a double-exponential function (mid-.90s)