

Comparison of OpenEpi confidence intervals for a proportion to publications/other programs

	Numerator/Denominator			
	81/263	15/148	0/20	1/29
Exact (“Fisher’s”, “Clopper & Pearson”)				
Newc.	.2527, .3676	.0578, 0.1617	.0000, .1684	.0009, .1776
Pepi	.25274, .36762	.05784, .16165	.00000, .16843	.00087, .17764
QuickCalc	.2527, .3676	.0578, .1617	.0000, .1684	.0009, .1776
OpenEpi	.2527330, .3676211	.0578421, .1616477	0, .1684303	.0008713, .1776433
Mid-p Exact				
Newc.	.2544, .3658	.0601, .1581	.0000, .1391	.0017, .1585
Pepi	.25440, .36577	.06006, .15812	.00000, .13911	.00172, .15854
QuickCalc	-	-	-	-
OpenEpi	-	-	-	-
Wald (“simple asymptotic without CC”, “normal approximation”)				
Newc.	.2522, .3638	.0527, .1500	.0000, .0000	<.0000, .1009
Pepi	-	-	-	-
QuickCalc	-	-	-	-
OpenEpi	.2521891, .3637804	.0527291, .1499735	0, 0	0, .1008934
Modified Wald				
Newc.	-	-	-	-
Pepi	-	-	-	-
QuickCalc	.2550, .3663	.0614, .1615	.0000, .1898	.0000, .1863
OpenEpi	.2552197, .3662785	.0613853, .1614890	0, .1898152	0, .1862907
Score (without CC, “Wilson”)				
Newc.	.2553, .3662	.0624, .1605	.0000, .1611	.0061, .1718
Pepi	-	-	-	-
QuickCalc	-	-	-	-
OpenEpi	.2552876, .3662106	.0623858, .1604885	0, .1611301	.0061130, .1717589
Score with cc (“Fleiss Quadratic”)				
Newc.	.2535, .3682	.0598, .1644	.0000, .2005	.0018, .1963
Pepi	.2535, .3682	.0598, .1644	.0000, .2005	.0018, .1963
QuickCalc	-	-	-	-
OpenEpi	.2535077, .3681773	.0597776, .1644510	0, .2004581	.0018025, .1962854

Notes:

Newc.: from: Newcombe RG. Two-sided confidence intervals for the single proportion: comparison of seven methods. *Statistics in Medicine* 17, 857-872, 1998.

Pepi: Abramson JH and Gahlinger PM (2001). *Computer Programs for Epidemiologists: PEPI Version 4.0*. Sagebrush Press, Salt Lake City. Used CONFINT.EXE version 4.0

QuickCalc: website <http://www.graphpad.com/quickcalcs/ConfInterval1.cfm>, used on August 27 2003.