

Tarea: Epidemiologia

1)	ca	co	T
E	80 + 920	500	N_1
E	20 + 380	400	NO
T	100	800	900 ^N
	M_1	M_0	

$$RR = \frac{80/500}{20/400} = 0.16 = \boxed{3.2}$$

$$XMH = \frac{ad - bc}{N - 1}$$

$$\frac{\sqrt{(100)(800)(500)(400)}}{900 - 1}$$

$$XMH = \frac{(80 \times 380) - (920 \times 20)}{\sqrt{(100)(800)(500)(400)}}$$

$$\frac{22,000}{4,218.719} = \boxed{5.21}$$

$$1095\% = RR \pm Z / XMH$$

$$1.96 = 3.2 \pm 1.96 / 5.21$$

$$= 3.2 / 1 + 0.37 = 1.37 - 4.92$$

$$= 3.2 / 1 - 0.37 = 0.63 = 208$$

$$80 \times 380 = 30,400$$

$$920 \times 20 = 18,400$$

$$\frac{22,000}{4,218.719} = \boxed{5.21}$$

$$Rap = A / M_1 (RR - 1 / RR)$$

$$= 80 / 100 (3.2 - 1 / 3.2)$$

$$= 0.8 (0.68)$$

$$= 0.54 = 54\%$$

$$Racx = (RR - 1 / RR) (32 - 1) \div (3.2) = 0.0$$

$$= 3.2 - 1 / 3.2$$

$$= 0.68 = 68\%$$

2) ca co T

E 199 191 390
A B Ni

E 19 29 38
C D NO

T 213 215 428
Mi Mo

$$RR = \frac{199}{390} = 0.51$$

$$\frac{19}{38} = 0.36 = \boxed{1.38}$$

$$XMH = \frac{ad - bc}{\sqrt{MIMONING}}$$

$$N - 1$$

$$XMH = \frac{(199 \times 29) - (19 \times 191)}{\sqrt{(213)(215)(390)(38)}}$$

$$428 - 1$$

$$IC 95\% = RR^{1 \pm E / XMH}$$

$$1.96 = 1.38^{1 \pm 1.96 / 1.66}$$

$$1.38^{1 \pm 1.18}$$

$$H_1 = 1.38^{1 + 1.18} = 1.38^{2.18} = 2.01$$

$$H_2 = 1.38^{1 - 1.18} = 1.38^{-0.18} = 0.94$$

$$199 \times 29 = 4,776$$

$$19 \times 191 = 2,679$$

$$2,102$$

$$1.38^{2.18} = 2.01$$

$$1.38^{-0.18} = 0.94$$

$$Mimomino = \frac{678.681900}{427}$$

$$1,589,418.97$$

$$\sqrt{1,260,721}$$

$$\frac{2102}{1,260,721} = \boxed{1.66}$$

$$Rap = A / Mi (RR - 1 / RR)$$

$$= 199 / 213$$

$$= 0.93 (0.27)$$

$$= 0.25 = 25\%$$

$$Raex = (RR - 1 / RR)$$

$$= 1.38 - 1 / 1.38$$

$$= 0.27 = 27\%$$

3)

	ca	co
E	36 A	886 B
E	12 C	746 D

$$RM = \frac{\Delta \times D}{B \times C}$$

$$\frac{36 \times 746}{886 \times 12} = 106$$

2.5

$$\ln 2.5 \pm 1.96 \sqrt{1/a + 1/b + 1/c + 1/d}$$

$$= \ln 2.5 \pm 1.96 \sqrt{1/36 + 1/886 + 1/12 + 1/746}$$

$$= \ln 0.91 \pm 1.96 \sqrt{0.02 + 0.001 + 0.08 + 0.001}$$

$$0.91 \pm 1.96 (0.31)$$

$$0.91 \pm 0.60$$

$$0.91 + 0.60 = 1.51$$

$$0.91 - 0.60 = 0.31$$

4) ca co

	ca	co
E	70	300
E	30	700

$$70 \times 700 = 49000$$

$$30 \times 300 = 9000$$

5.4

$$\ln 5.4 \pm 1.96 \sqrt{1/30 + 1/300 + 1/30 + 1/700}$$

$$\ln 1.68 \pm 1.96 \sqrt{0.01 + 0.003 + 0.03 + 0.001}$$

$$1.68 \pm 1.96 (0.20)$$

$$1.68 \pm 0.39$$

$$1.68 + 0.39 = 2.07$$

$$1.68 - 0.39 = 1.29$$