

```

. *****
. * Table 1 (page 4) *
. *****
. * rows (1=obese; 2=other weight categories)
. * cols (1=Qena, 2=Luxor, 3=Al Bahr Alahmar)
.
. tabi 34 30 20 \ 216 170 30, chi2 row col

```

Key
frequency
row percentage
column percentage

row	col	1	2	3	Total
1		34	30	20	84
		40.48	35.71	23.81	100.00
		13.60	15.00	40.00	16.80
2		216	170	30	416
		51.92	40.87	7.21	100.00
		86.40	85.00	60.00	83.20
Total		250	200	50	500
		50.00	40.00	10.00	100.00
		100.00	100.00	100.00	100.00

Pearson chi2(2) = 21.5488 Pr = 0.000

```

. *****
. * Table 2 (page 5) *
. *****
. * DM
. * rows (1=normal weight, 2=overweight, 3=obese, 4=underweight)
. * cols (1=DM, 2=no DM)
.
. tabi 1 400 \ 0 49 \ 1 30 \ 2 17, chi2 row col expected exact

```

Key
frequency
expected frequency
row percentage
column percentage

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 7

stage 1: enumerations = 0

row	col		Total
	1	2	
1	1	400	401
	3.2	397.8	401.0
	0.25	99.75	100.00
	25.00	80.65	80.20
2	0	49	49
	0.4	48.6	49.0
	0.00	100.00	100.00
	0.00	9.88	9.80
3	1	30	31
	0.2	30.8	31.0
	3.23	96.77	100.00
	25.00	6.05	6.20
4	2	17	19
	0.2	18.8	19.0
	10.53	89.47	100.00
	50.00	3.43	3.80
Total	4	496	500
	4.0	496.0	500.0
	0.80	99.20	100.00
	100.00	100.00	100.00

Pearson chi2(3) = 26.8748 Pr = 0.000

Fisher's exact = 0.003

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.
. * Hypertension
. * rows (1=normal weight, 2=overweight, 3=obese, 4=underweight)
. * cols (1=hypertension, 2=no hypertension)
.
. tabi 1 400 \ 0 49 \ 2 29 \ 0 19, chi2 row col expected exact

```

Key
frequency
expected frequency
row percentage
column percentage

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 4

stage 1: enumerations = 0

row	col		Total
	1	2	
1	1	400	401
	2.4	398.6	401.0
	0.25	99.75	100.00
	33.33	80.48	80.20
2	0	49	49
	0.3	48.7	49.0
	0.00	100.00	100.00
	0.00	9.86	9.80
3	2	29	31
	0.2	30.8	31.0
	6.45	93.55	100.00
	66.67	5.84	6.20
4	0	19	19
	0.1	18.9	19.0
	0.00	100.00	100.00
	0.00	3.82	3.80
Total	3	497	500
	3.0	497.0	500.0
	0.60	99.40	100.00
	100.00	100.00	100.00

Pearson chi2(3) = 19.0352 Pr = 0.000

Fisher's exact = 0.020

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.
. * social class
. * rows (1=normal weight, 2=overweight, 3=obese, 4=underweight)
. * cols (social class: 1=low, 2=middle, 3=high)
.
. tabi 108 279 14 \ 6 31 12 \ 13 14 4 \ 11 8 0, chi2 row col expected
```

Key	
frequency	
expected frequency	
row percentage	
column percentage	

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row	col			Total
	1	2	3	
1	108	279	14	401
	110.7	266.3	24.1	401.0
	26.93	69.58	3.49	100.00
	78.26	84.04	46.67	80.20
2	6	31	12	49
	13.5	32.5	2.9	49.0
	12.24	63.27	24.49	100.00
	4.35	9.34	40.00	9.80
3	13	14	4	31
	8.6	20.6	1.9	31.0
	41.94	45.16	12.90	100.00
	9.42	4.22	13.33	6.20
4	11	8	0	19
	5.2	12.6	1.1	19.0
	57.89	42.11	0.00	100.00
	7.97	2.41	0.00	3.80
Total	138	332	30	500
	138.0	332.0	30.0	500.0
	27.60	66.40	6.00	100.00
	100.00	100.00	100.00	100.00

Pearson chi2(6) = 53.0815 Pr = 0.000