

```
. use "C:\Frank\Research\Pearson Kraus Molly Pregnancy motherhood residency\Kraus Pearson Pregnancy motherhood residency
> 606-1359.dta", clear
```

```
.
. *** RESULTS section, in sequence ***
.
. * Would you counsel a female student against a career in anesthesiology due to obstacles pertaining to motherhood?
. tabulate q122
```

Would you counsel a female student against a career in anesthesiol ogy due to obs	Freq.	Percent	Cum.
1	1,618	88.42	88.42
2	212	11.58	100.00
Total	1,830	100.00	

```
.
. * Have you ever been pregnant?
. tabulate q122 q4, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Have you ever been pregnant?		Total
	1	2	
1	360 86.54	1,257 89.02	1,617 88.46
2	56 13.46	155 10.98	211 11.54
Total	416 100.00	1,412 100.00	1,828 100.00

Cramér's V = -0.0326
 Fisher's exact = 0.163
 1-sided Fisher's exact = 0.097

```
. proportion q122, over(q4) level(99) citype(exact)
```

Proportion estimation Number of obs = **1,828**

	Proportion	Std. Err.	Exact [99% Conf. Interval]	
q122@q4				
1 1	.8653846	.0167342	.816866	.9052838
1 2	.8902266	.0083192	.8671092	.9106601
2 1	.1346154	.0167342	.0947162	.183134
2 2	.1097734	.0083192	.0893399	.1328908

```
.
. * Create variable that equals 2 if pregnant during, or did you have any children during your residency or fellowship tr
. generate byte q7mod = .
(2,104 missing values generated)

. replace q7mod = 1 if !missing(q1) | !missing(q4)
(2,098 real changes made)

. replace q7mod = 2 if q7==2
(874 real changes made)
```

```
. tabulate q122 q7mod, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	q7mod		Total
	1	2	
1	981 87.90	637 89.22	1,618 88.42
2	135 12.10	77 10.78	212 11.58
Total	1,116 100.00	714 100.00	1,830 100.00

Cramér's V = **-0.0200**
 Fisher's exact = **0.411**
 1-sided Fisher's exact = **0.218**

```
.
. * Create variable that equals 2 if pregnant or had any children during your practice?
. generate byte q9mod = .
(2,104 missing values generated)

. replace q9mod = 1 if !missing(q1) | !missing(q4)
(2,098 real changes made)

. replace q9mod = 2 if q9==2
(1,262 real changes made)

. tabulate q122 q9mod, column exact V
```

Key
<i>frequency</i>
<i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	q9mod		Total
	1	2	
1	647 87.08	971 89.33	1,618 88.42
2	96 12.92	116 10.67	212 11.58
Total	743 100.00	1,087 100.00	1,830 100.00

Cramér's V = **-0.0345**
 Fisher's exact = **0.158**
 1-sided Fisher's exact = **0.081**

.
 . * Analyses only of women with pregnancy during residency or fellowship
 . * How many weeks did you take off, or plan to take off, for maternity leave for this pregnancy/child?
 . * First pregnancy during training is the q25_1_1, and then each successive is added to get the total during training
 . ranksum q25_1_1_, by(q122) porder

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	543	166372.5	164529
2	62	16942.5	18786
combined	605	183315	183315

unadjusted variance **1700133.00**
 adjustment for ties **-31289.52**

adjusted variance **1668843.48**

Ho: q25_1_1_(q122==1) = q25_1_1_(q122==2)
 z = **1.427**
 Prob > |z| = **0.1536**

Note: Exact p-value is not computed by default for sample sizes > 200.
 Use option **exact** to compute it.

P{q25_1_1_(q122==1) > q25_1_1_(q122==2)} = **0.555**

```
. by q122, sort : centile q25_1_1_, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25_1_1_	543	50	8	6	8
		25	5.5	5	6
		75	11	10	12

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25_1_1_	62	50	6.25	6	8
		25	4	4	6
		75	8.5	8	12

```
-> q122 = .
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25_1_1_	61	50	6	6	6
		25	4	4	6
		75	8	6	12

```

. replace q25_1_1_ = 0 if (q25_1_1_ >= .)
(1,438 real changes made)

. replace q25_1_2_ = 0 if (q25_1_2_ >= .)
(1,891 real changes made)

. replace q25_1_3_ = 0 if (q25_1_3_ >= .)
(2,080 real changes made)

. replace q25_1_4_ = 0 if (q25_1_4_ >= .)
(2,100 real changes made)

. replace q25_1_5_ = 0 if (q25_1_5_ >= .)
(2,103 real changes made)

. generate int q25total = q25_1_1_ + q25_1_2_ + q25_1_3_ + q25_1_4_ + q25_1_5_

. ranksum q25total, by(q122) porder

```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1489585	1481279
2	212	185780	194086
combined	1830	1675365	1675365

```

unadjusted variance    52338525
adjustment for ties    -14708135

```

```

adjusted variance      37630390

```

```

Ho: q25total(q122==1) = q25total(q122==2)
      z =    1.354
      Prob > |z| =    0.1757

```


$P\{q25total(q122==1) > q25total(q122==2)\} = 0.524$

```
.  
. * Approximately how many female clinical faculty members were/are in your residency training program?  
. generate double PropFemaleFac = min( 1, max( q104/q103, 0 ) )  
  
. ranksum PropFemaleFac, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1481651.5	1481279
2	212	193713.5	194086
combined	1830	1675365	1675365

unadjusted variance 52338525

adjustment for ties -223094.19

adjusted variance 52115430

Ho: $PropFe\sim c(q122==1) = PropFe\sim c(q122==2)$

z = 0.052

Prob > |z| = 0.9588

$P\{PropFe\sim c(q122==1) > PropFe\sim c(q122==2)\} = 0.501$

```
.
. * How many female residents are/were in your class?
. generate double PropFemaleRes = min( 1, max( q101/q100, 0 ) )

. ranksum PropFemaleRes, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1474445.5	1481279
2	212	200919.5	194086
combined	1830	1675365	1675365

```
unadjusted variance    52338525
adjustment for ties    -70539.965
```

```
adjusted variance      52267985
```

Ho: PropFe~s(q122==1) = PropFe~s(q122==2)

z = **-0.945**

Prob > |z| = **0.3446**

P{PropFe~s(q122==1) > PropFe~s(q122==2)} = **0.480**

```
.
. * How many female residents are/were in your class?
. ranksum q101, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1577	1404726	1409838
2	210	192852	187740
combined	1787	1597578	1597578

```
unadjusted variance    49344330
adjustment for ties    -383929.06
```

```
adjusted variance      48960401
```

Ho: q101_1(q122==1) = q101_1(q122==2)

```
      z =  -0.731
Prob > |z| =  0.4650
```

$P\{q101_1(q122==1) > q101_1(q122==2)\} = 0.485$

```
.
. * In what year were you born? Association with counseling against anesthesiology, answer = 2
```

```
. ranksum q95, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1602	1439528.5	1453014
2	211	204862.5	191377
combined	1813	1644391	1644391

```
unadjusted variance    51097659
adjustment for ties    -67067.531
```

```
adjusted variance      51030591
```

```
Ho: q95_1(q122==1) = q95_1(q122==2)
```

```
z = -1.888
```

```
Prob > |z| = 0.0591
```

```
P{q95_1(q122==1) > q95_1(q122==2)} = 0.460
```

```
. by q122, sort : centile q95, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q95_1	1,602	50	1978	1977	1979
		25	1968	1966	1969
		75	1983	1982	1983

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q95_1	211	50	1979	1977	1980
		25	1972	1967.157	1974
		75	1984	1983	1985

-> q122 = .

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q95_1	7	50	1983	1956.171	1989.371
		25	1974	1948	1986.949*
		75	1988	1982.21	1990*

* Lower (upper) confidence limit held at minimum (maximum) of sample

.
 . * In what year did/will you finish residency?
 . ranksum q99, by(q122) porder

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1598	1434619.5	1446190
2	211	202525.5	190955
combined	1809	1637145	1637145

unadjusted variance **50857682**
 adjustment for ties **-76974.395**

 adjusted variance **50780707**

Ho: $q99_1(q122==1) = q99_1(q122==2)$

$z = -1.624$

Prob > |z| = 0.1044

$P\{q99_1(q122==1) > q99_1(q122==2)\} = 0.466$

. by q122, sort : centile q99, centile(50 25 75)

-> q122 = 1

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q99_1	1,598	50	2010	2010	2011
		25	2001	1999	2002.163
		75	2015	2015	2016

-> q122 = 2

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q99_1	211	50	2010	2009	2012
		25	2004	2002	2007
		75	2016	2015	2017

-> q122 = .

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q99_1	6	50	2013	1993.6	2021
		25	2004	1992	2019.147*
		75	2021	2008	2021*

* Lower (upper) confidence limit held at minimum (maximum) of sample

.
 . * Was/is your desired age of childbearing/motherhood adversely affected by work demands? 3=unsure
 . tabulate q122 q118, column exact

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 55

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Was/is your desired age of childbearing/motherhood adversely affected by work de			Total
	1	2	3	
1	640 95.81	842 83.28	136 90.07	1,618 88.42
2	28 4.19	169 16.72	15 9.93	212 11.58
Total	668 100.00	1,011 100.00	151 100.00	1,830 100.00

Fisher's exact = **0.000**

```
. * Resequence with "unsure" being a smaller number than yes
. generate byte q118mod = .
(2,104 missing values generated)

. replace q118mod = 1 if q118 ==1
(670 real changes made)

. replace q118mod = 2 if q118 ==3
(154 real changes made)

. replace q118mod = 3 if q118 ==2
(1,013 real changes made)

. ranksum q118mod, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1430914	1481279
2	212	244451	194086
combined	1830	1675365	1675365

unadjusted variance **52338525**

adjustment for ties **-11400176**

adjusted variance **40938348**

Ho: q118mod(q122==1) = q118mod(q122==2)

z = **-7.872**

Prob > |z| = **0.0000**

P{q118mod(q122==1) > q118mod(q122==2)} = **0.353**


```
.
. * Was your desired number of children adversely affected by work or training demands? 3=not applicable
. tabulate q122 q119, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 59

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Was your desired number of children adversely affected by work or training deman			Total
	1	2	3	
1	824 94.17	630 81.50	161 89.94	1,615 88.40
2	51 5.83	143 18.50	18 10.06	212 11.60
Total	875 100.00	773 100.00	179 100.00	1,827 100.00

Cramér's V = 0.1882
Fisher's exact = 0.000

```
. generate byte q119mod = .
(2,104 missing values generated)

. replace q119mod = 1 if q119 ==1
(876 real changes made)

. replace q119mod = 2 if q119 ==3
(182 real changes made)

. replace q119mod = 3 if q119 ==2
(776 real changes made)

. ranksum q119mod, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1615	1424107	1476110
2	212	245771	193768
combined	1827	1669878	1669878

```
unadjusted variance    52155887
adjustment for ties    -9728738.3
```

```
adjusted variance      42427148
```

```
Ho: q119mod(q122==1) = q119mod(q122==2)
      z = -7.984
      Prob > |z| = 0.0000
```

```
P{q119mod(q122==1) > q119mod(q122==2)} = 0.348
```

```

.
. * Adjusted for 34 demographic variables. The count of 34 includes q4, q95, q99, q7mod, and q9mod.
.
. * Responses to the two questions about age and desired number of children were highly correlated (Cramer's V = 0.41), a
> y separable from the data.
. tabulate q118mod q119mod, column V

```

Key
<i>frequency</i> <i>column percentage</i>

q118mod	q119mod			Total
	1	2	3	
1	540 61.64	28 15.38	100 12.89	668 36.42
2	62 7.08	58 31.87	34 4.38	154 8.40
3	274 31.28	96 52.75	642 82.73	1,012 55.18
Total	876 100.00	182 100.00	776 100.00	1,834 100.00

Cramér's V = 0.4134

```
.
. * Results description of the removed Figure 1
. generate byte q118q119Fig1 = .
(2,104 missing values generated)

. replace q118q119Fig1 = 1 if q118 ==1 & q119 ==1
(540 real changes made)

. replace q118q119Fig1 = 2 if q118 ==2 & q119 ==2
(642 real changes made)

. tabulate q122 q118q119Fig1, column exact V
```

Key
<i>frequency</i>
<i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	q118q119Fig1		Total
	1	2	
1	517 95.92	507 79.22	1,024 86.85
2	22 4.08	133 20.78	155 13.15
Total	539 100.00	640 100.00	1,179 100.00

Cramér's V = **0.2462**
 Fisher's exact = **0.000**
 1-sided Fisher's exact = **0.000**

. csi 133 22 507 517, or exact

	Exposed	Unexposed	Total	
Cases	133	22	155	
Noncases	507	517	1024	
Total	640	539	1179	
Risk	.2078125	.0408163	.1314673	
	Point estimate		[95% Conf. Interval]	
Risk difference	.1669962		.131399	.2025934
Risk ratio	5.091406		3.291176	7.876339
Attr. frac. ex.	.8035906		.6961572	.8730375
Attr. frac. pop	.6895326			
Odds ratio	6.164694		3.876727	9.800777 (Cornfield)

1-sided Fisher's exact P = **0.0000**
 2-sided Fisher's exact P = **0.0000**

.
 . *** END OF RESULTS section ***
 .

```

. * Discussion
. * The ASA list of women anesthesiologists has 9525 invitees. Surveys of ASA members have had different response rates.
. * From Raphael et al. 2018 survey of ASA members on perspectives of economics, the response rate was 13.4%; https://www
. * From Orkin et al. 2012 survey of anesthesiologists over 50 and perspectives on retirement, the response rate was 37%,
. * From Ard et al. 2016 survey on environmental attitudes, the response rate was 42%; https://www.ncbi.nlm.nih.gov/pubme
.
. *** Table 1, in sequence ***
.
. * Would you counsel a female student against a career in anesthesiology due to obstacles pertaining to motherhood?
. tabulate q122

```

Would you counsel a female student against a career in anesthesiol ogy due to obs	Freq.	Percent	Cum.
1	1,618	88.42	88.42
2	212	11.58	100.00
Total	1,830	100.00	

```
.
. * Was your desired number of children adversely affected by work or training demands? 3=not applicable
. ranksum q119mod, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1615	1424107	1476110
2	212	245771	193768
combined	1827	1669878	1669878

```
unadjusted variance    52155887
adjustment for ties    -9728738.3
```

```
adjusted variance      42427148
```

```
Ho: q119mod(q122==1) = q119mod(q122==2)
```

```
z = -7.984
```

```
Prob > |z| = 0.0000
```

```
P{q119mod(q122==1) > q119mod(q122==2)} = 0.348
```

```
.
. * Was/is your desired age of childbearing/motherhood adversely affected by work demands? 3=unsure
```

```
. ranksum q118mod, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1430914	1481279
2	212	244451	194086
combined	1830	1675365	1675365

```
unadjusted variance    52338525
adjustment for ties    -11400176
```

```
adjusted variance      40938348
```

```
Ho: q118mod(q122==1) = q118mod(q122==2)
```

```
z = -7.872
```

```
Prob > |z| = 0.0000
```

```
P{q118mod(q122==1) > q118mod(q122==2)} = 0.353
```

```
.
. * In what year did you graduate from medical school?
. ranksum q98, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1605	1442617.5	1457340
2	210	205402.5	190680
combined	1815	1648020	1648020


```
unadjusted variance    51006900
adjustment for ties    -70826.506
```

```
adjusted variance      50936073
```

```
Ho: q98_1(q122==1) = q98_1(q122==2)
```

```
      z =  -2.063
      Prob > |z| =  0.0391
```

```
P{q98_1(q122==1) > q98_1(q122==2)} = 0.456
```

```
. by q122, sort : centile q98, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q98_1	1,605	50	2006	2005	2006
		25	1994	1993	1997
		75	2011	2010	2011

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q98_1	210	50	2006	2005	2007
		25	2000	1996.952	2002.554
		75	2012	2010	2013

```
-> q122 = .
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q98_1	7	50	2014	1991.457	2017
		25	1999	1988	2015.58*
		75	2017	2012.42	2017*

* Lower (upper) confidence limit held at minimum (maximum) of sample

```
.
. * In what year were you born?
. ranksum q95, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1602	1439528.5	1453014
2	211	204862.5	191377
combined	1813	1644391	1644391

```
unadjusted variance    51097659
adjustment for ties    -67067.531
```

```
adjusted variance      51030591
```

```
Ho: q95_1(q122==1) = q95_1(q122==2)
      z = -1.888
      Prob > |z| = 0.0591
```

```
P{q95_1(q122==1) > q95_1(q122==2)} = 0.460
```

```
. by q122, sort : centile q95, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q95_1	1,602	50	1978	1977	1979
		25	1968	1966	1969
		75	1983	1982	1983

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q95_1	211	50	1979	1977	1980
		25	1972	1967.157	1974
		75	1984	1983	1985

```
-> q122 = .
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q95_1	7	50	1983	1956.171	1989.371
		25	1974	1948	1986.949*
		75	1988	1982.21	1990*

* Lower (upper) confidence limit held at minimum (maximum) of sample

```
.
. * In what year did/will you finish residency?
. ranksum q99, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1598	1434619.5	1446190
2	211	202525.5	190955
combined	1809	1637145	1637145

```
unadjusted variance    50857682
adjustment for ties    -76974.395
```

```
adjusted variance      50780707
```

```
Ho: q99_1(q122==1) = q99_1(q122==2)
```

```
z = -1.624
```

```
Prob > |z| = 0.1044
```

```
P{q99_1(q122==1) > q99_1(q122==2)} = 0.466
```

```
. by q122, sort : centile q99, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q99_1	1,598	50	2010	2010	2011
		25	2001	1999	2002.163
		75	2015	2015	2016

-> q122 = 2

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q99_1	211	50	2010	2009	2012
		25	2004	2002	2007
		75	2016	2015	2017

-> q122 = .

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q99_1	6	50	2013	1993.6	2021
		25	2004	1992	2019.147*
		75	2021	2008	2021*

* Lower (upper) confidence limit held at minimum (maximum) of sample

.
 . * How many weeks did you take off, or plan to take off, for maternity leave for this pregnancy/child?
 . * First pregnancy during training, and then total
 . ranksum q25_1_1_, by(q122) porder

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1491622.5	1481279
2	212	183742.5	194086
combined	1830	1675365	1675365

```
unadjusted variance    52338525
adjustment for ties    -16436176
```

```
adjusted variance      35902349
```

```
Ho: q25_1_1_(q122==1) = q25_1_1_(q122==2)
```

```
      z =    1.726
```

```
Prob > |z| =    0.0843
```

```
P{q25_1_1_(q122==1) > q25_1_1_(q122==2)} = 0.530
```

```
. by q122, sort : centile q25_1_1_, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25_1_1_	1,618	50	0	0	0
		25	0	0	0
		75	5.625	4	6

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25_1_1_	212	50	0	0	0
		25	0	0	0
		75	4	0	5.637379

```
-> q122 = .
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25_1_1_	274	50	0	0	0
		25	0	0	0
		75	0	0	3

```
. ranksum q25total, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1489585	1481279
2	212	185780	194086
combined	1830	1675365	1675365

unadjusted variance 52338525

adjustment for ties -14708135

adjusted variance 37630390

Ho: q25total(q122==1) = q25total(q122==2)

z = 1.354

Prob > |z| = 0.1757

P{q25total(q122==1) > q25total(q122==2)} = 0.524

```
. by q122, sort : centile q25total, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25total	1,618	50	0	0	0
		25	0	0	0
		75	6	6	7

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25total	212	50	0	0	0
		25	0	0	0
		75	5	0	8

```
-> q122 = .
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q25total	274	50	0	0	0
		25	0	0	0
		75	0	0	4


```
.
. * How many female residents are/were in your class?
. ranksum PropFemaleRes, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1474445.5	1481279
2	212	200919.5	194086
combined	1830	1675365	1675365

```
unadjusted variance    52338525
adjustment for ties    -70539.965
```

```
adjusted variance      52267985
```

Ho: PropFe~s(q122==1) = PropFe~s(q122==2)

```
z = -0.945
Prob > |z| = 0.3446
```

P{PropFe~s(q122==1) > PropFe~s(q122==2)} = **0.480**

```
. by q122, sort : centile PropFemaleRes, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
PropFemale~s	1,618	50	.2	.1875	.2307692
		25	.1086039	.1	.1111111
		75	.4	.4	.4166667

-> q122 = 2

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
PropFemale~s	212	50	.2	.1666667	.2457116
		25	.125	.1	.133593
		75	.4166667	.4	.4573544

-> q122 = .

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
PropFemale~s	274	50	0	0	0
		25	0	0	0
		75	0	0	0

.
. ranksum q101, by(q122) porder

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1577	1404726	1409838
2	210	192852	187740
combined	1787	1597578	1597578

unadjusted variance 49344330
 adjustment for ties -383929.06
 adjusted variance 48960401

Ho: $q101_1(q122==1) = q101_1(q122==2)$

$z = -0.731$
 Prob > |z| = 0.4650

$P\{q101_1(q122==1) > q101_1(q122==2)\} = 0.485$

. by q122, sort : centile q101, centile(50 25 75)

-> q122 = 1

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q101_1	1,577	50	5	5	6
		25	3	3	3
		75	9	8	10

-> q122 = 2

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q101_1	210	50	6	5	6
		25	3	3	4
		75	9	8	10

-> q122 = .

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q101_1	6	50	4.5	3.1	9.5
		25	3.75	3	5*
		75	6.25	4	10*

* Lower (upper) confidence limit held at minimum (maximum) of sample

.
. * Approximately how many clinical faculty members were/are in your residency training program?
. ranksum q103, by(q122) porder

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1506	1287683.5	1284618
2	199	166681.5	169747
combined	1705	1454365	1454365

unadjusted variance **42606497**
adjustment for ties **-277767.33**

adjusted variance **42328730**

Ho: q103_1(q122==1) = q103_1(q122==2)

z = **0.471**
Prob > |z| = **0.6375**

P{q103_1(q122==1) > q103_1(q122==2)} = **0.510**

```
. by q122, sort : centile q103, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q103_1	1,506	50	50	45	50
		25	30	25	30
		75	80	70	80

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q103_1	199	50	45	40	50
		25	30	25	30
		75	70	60	80

```
-> q122 = .
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q103_1	6	50	40	20.6	95.6
		25	31	19	46.11556*
		75	67	38.08889	100*

* Lower (upper) confidence limit held at minimum (maximum) of sample

```
.
. * Approximately how many female clinical faculty members were/are in your residency training program?
. ranksum q104, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1507	1285239	1284717.5
2	197	167421	167942.5
combined	1704	1452660	1452660

```
unadjusted variance    42181558
adjustment for ties    -214444.34
```

```
adjusted variance      41967114
```

```
Ho: q104_1(q122==1) = q104_1(q122==2)
```

```
      z = 0.081
```

```
Prob > |z| = 0.9358
```

```
P{q104_1(q122==1) > q104_1(q122==2)} = 0.502
```

```
. by q122, sort : centile q104, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q104_1	1,507	50	15	14.96114	15
		25	7	6	8
		75	25	25	30

-> q122 = 2

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q104_1	197	50	15	12	15
		25	7	6	9.894399
		75	25	20	30

-> q122 = .

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q104_1	4	50	7.5	5	20*
		25	5	5	15.5*
		75	17.5	5	20*

* Lower (upper) confidence limit held at minimum (maximum) of sample

.
. ranksum PropFemaleFac, by(q122) porder

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1618	1481651.5	1481279
2	212	193713.5	194086
combined	1830	1675365	1675365

```
unadjusted variance    52338525
adjustment for ties    -223094.19
```

```
adjusted variance      52115430
```

```
Ho: PropFe~c(q122==1) = PropFe~c(q122==2)
```

```
      z =    0.052
```

```
      Prob > |z| =    0.9588
```

```
P{PropFe~c(q122==1) > PropFe~c(q122==2)} = 0.501
```

```
. by q122, sort : centile PropFemaleFac, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
PropFemale~c	1,618	50	.3	.3	.3333333
		25	.175	.1666667	.2
		75	.4	.4	.4

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
PropFemale~c	212	50	.3	.25	.3333333
		25	.1666667	.15	.2
		75	.4125	.4	.4666667

```
-> q122 = .
```


Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
PropFemale~c	274	50	0	0	0
		25	0	0	0
		75	0	0	0

```
.
. * How many residents are/were in your program?
. ranksum q100, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1581	1415746	1415785.5
2	209	187199	187159.5
combined	1790	1602945	1602945

```
unadjusted variance    49316528
adjustment for ties    -75939.153
```

```
adjusted variance      49240589
```

```
Ho: q100_1(q122==1) = q100_1(q122==2)
```

```
z = -0.006
```

```
Prob > |z| = 0.9955
```

```
P{q100_1(q122==1) > q100_1(q122==2)} = 0.500
```

```
. by q122, sort : centile q100, centile(50 25 75)
```

```
-> q122 = 1
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q100_1	1,581	50	25	24	26
		25	15	15	16
		75	48	45	50

```
-> q122 = 2
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q100_1	209	50	24	22	30
		25	15.5	14	18
		75	45	40	51.29406

```
-> q122 = .
```

Variable	Obs	Percentile	Centile	— Binom. Interp. — [95% Conf. Interval]	
q100_1	7	50	21	13.88571	46.85714
		25	18	12	28.10857*
		75	40	20.21016	50*

* Lower (upper) confidence limit held at minimum (maximum) of sample

```

.
. * Table 1 legend, addition recommended by statistical reviewer
. * q98 is: What year did you graduate from medical school?
. spearman q98 q119mod q118mod, stats(rho obs p)

```

Key
<i>rho</i>
<i>Number of obs</i>
<i>Sig. Level</i>

	q98_1	q119mod	q118mod
q98_1	1.0000 1818		
q119mod	0.1959 1818 0.0000	1.0000 1818	
q118mod	0.2174 1818 0.0000	0.5061 1818 0.0000	1.0000 1818

```

.
. *** END OF Table 1 ***
.
.

```

. *** Table 2, in sequence ***

.
 . * Would you counsel a female student against a career in anesthesiology due to obstacles pertaining to motherhood?
 . tabulate q122

Would you counsel a female student against a career in anesthesiol ogy due to obs	Freq.	Percent	Cum.
1	1,618	88.42	88.42
2	212	11.58	100.00
Total	1,830	100.00	

.
 . * Was your desired number of children adversely affected by work or training demands? 3=not applicable
 . tabulate q122 q119, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 59

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Was your desired number of children adversely affected by work or training deman			Total
	1	2	3	
1	824 94.17	630 81.50	161 89.94	1,615 88.40
2	51 5.83	143 18.50	18 10.06	212 11.60
Total	875 100.00	773 100.00	179 100.00	1,827 100.00

Cramér's V = 0.1882
Fisher's exact = 0.000

```
.
. * Was/is your desired age of childbearing/motherhood adversely affected by work demands? 3=unsure
. tabulate q122 q118, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 55

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Was/is your desired age of childbearing/motherhood adversely affected by work de			Total
	1	2	3	
1	640 95.81	842 83.28	136 90.07	1,618 88.42
2	28 4.19	169 16.72	15 9.93	212 11.58
Total	668 100.00	1,011 100.00	151 100.00	1,830 100.00

Cramér's V = 0.1841
Fisher's exact = 0.000

```
.
. * Do you plan to have children in the future? (P=0.028 two-sided, if yes than more likely to counsel against), V=0.047
. tabulate q122 q2, column exact V
```

Key
<i>frequency</i>
<i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Do you plan to have children in the future?		Total
	1	2	
1	1,030 89.64	581 86.20	1,611 88.37
2	119 10.36	93 13.80	212 11.63
Total	1,149 100.00	674 100.00	1,823 100.00

Cramér's V = 0.0518
 Fisher's exact = 0.028
 1-sided Fisher's exact = 0.017

```
.
. * What is your current marital status? 1=single not in a committed relationship; 2=single in a committed relationship;
. * 3=engaged; 4=married; 5=civil union; 6=divorced; 7=widowed
. tabulate q122 q123, column exact V
```

Key
<i>frequency</i>
<i>column percentage</i>

Enumerating sample-space combinations:

```
stage 7: enumerations = 1
stage 6: enumerations = 4
stage 5: enumerations = 14
stage 4: enumerations = 136
stage 3: enumerations = 1641
stage 2: enumerations = 18830
stage 1: enumerations = 0
```

Would you counsel a female student against a career in anesthesio logy due to obs	What is your current marital status?							Total
	1	2	3	4	5	6	7	
1	87 91.58	85 85.86	34 79.07	1,334 88.99	2 50.00	71 84.52	4 80.00	1,617 88.41
2	8 8.42	14 14.14	9 20.93	165 11.01	2 50.00	13 15.48	1 20.00	212 11.59
Total	95	99	43	1,499	4	84	5	1,829

	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
--	--------	--------	--------	--------	--------	--------	--------	--------

Cramér's V = 0.0845
 Fisher's exact = 0.041

.
 . * Are you aware of the ABA policy on absence from residency? P=0.050 Cramer's V=0.06 in desired direction with Yes and
 . tabulate q122 q116, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1
 stage 2: enumerations = 25
 stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Are you aware of the ABA policy on absence from residency?			Total
	1	2	3	
1	747 86.46	608 90.07	263 90.38	1,618 88.42
2	117 13.54	67 9.93	28 9.62	212 11.58
Total	864	675	291	1,830

	100.00	100.00	100.00	100.00
--	--------	--------	--------	--------

Cramér's V = 0.0579
 Fisher's exact = 0.050

.
 . * Did you have to delay board certification due to a pregnancy?
 . tabulate q122 q120, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Did you have to delay board certification due to a pregnancy?		Total
	1	2	
1	1,436 88.97	172 84.31	1,608 88.45
2	178 11.03	32 15.69	210 11.55
Total	1,614 100.00	204 100.00	1,818 100.00

Cramér's V = **0.0460**
 Fisher's exact = **0.062**
 1-sided Fisher's exact = **0.036**

.
 . * Was the program director during your residency training male or female? P=0.096 LESS likely if female
 . tabulate q122 q106, column exact V

Key
<i>frequency</i>
<i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Was the program director dur ing your residency traini ng male or female?		Total
	1	2	
1	1,261 89.18	355 86.17	1,616 88.50
2	153 10.82	57 13.83	210 11.50
Total	1,414 100.00	412 100.00	1,826 100.00

Cramér's V = **0.0395**
 Fisher's exact = **0.096**
 1-sided Fisher's exact = **0.057**

```
.
. * Do you have any children?
. tabulate q122 q1, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 10

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Do you have children?			Total
	1	2	3	
1	367 85.75	1,200 89.15	51 91.07	1,618 88.42
2	61 14.25	146 10.85	5 8.93	212 11.58
Total	428 100.00	1,346 100.00	56 100.00	1,830 100.00

Cramér's V = 0.0472
Fisher's exact = 0.144

```
.
. * What is your sexual orientation?
. tabulate q122 q127, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 4

stage 2: enumerations = 13

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	What is your sexual orientation?				Total
	1	2	3	4	
1	1,562 88.50	32 91.43	10 90.91	5 62.50	1,609 88.46
2	203 11.50	3 8.57	1 9.09	3 37.50	210 11.54
Total	1,765 100.00	35 100.00	11 100.00	8 100.00	1,819 100.00

Cramér's V = **0.0557**
 Fisher's exact = **0.153**

.
 . * Have you ever been pregnant?
 . tabulate q122 q4, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Have you ever been pregnant?		Total
	1	2	
1	360 86.54	1,257 89.02	1,617 88.46
2	56 13.46	155 10.98	211 11.54
Total	416 100.00	1,412 100.00	1,828 100.00

Cramér's V = **-0.0326**
 Fisher's exact = **0.163**
 1-sided Fisher's exact = **0.097**

```
.
. * Create variable that equals 2 if pregnant or had any children during your practice?
. tabulate q122 q9mod, column exact V
```

Key
<i>frequency</i>
<i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	q9mod		Total
	1	2	
1	647 87.08	971 89.33	1,618 88.42
2	96 12.92	116 10.67	212 11.58
Total	743 100.00	1,087 100.00	1,830 100.00

Cramér's V = **-0.0345**
 Fisher's exact = **0.158**
 1-sided Fisher's exact = **0.081**

```
.
. * What is your race/ethnicity?
. tabulate q122 q126, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

```
stage 6: enumerations = 1
stage 5: enumerations = 10
stage 4: enumerations = 84
stage 3: enumerations = 818
stage 2: enumerations = 8169
stage 1: enumerations = 0
```

Would you counsel a female student against a career in anesthesio logy due to obs	What is your race/ethnicity?						Total
	1	2	3	4	5	6	
1	88 88.00	61 84.72	251 89.01	1,147 89.05	31 79.49	27 79.41	1,605 88.43
2	12 12.00	11 15.28	31 10.99	141 10.95	8 20.51	7 20.59	210 11.57
Total	100 100.00	72 100.00	282 100.00	1,288 100.00	39 100.00	34 100.00	1,815 100.00

Cramér's V = 0.0635
 Fisher's exact = 0.178

```
.
. * Are you board certified? 3=not yet eligible
. tabulate q122 q121, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1
 stage 2: enumerations = 12
 stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Are you board certified?			Total
	1	2	3	
1	108 83.72	1,273 88.77	235 88.68	1,616 88.40
2	21 16.28	161 11.23	30 11.32	212 11.60
Total	129 100.00	1,434 100.00	265 100.00	1,828 100.00

Cramér's V = **0.0403**
 Fisher's exact = **0.234**

.

. * What is your current job? 1=residency or fellowship, 2=private practice, 3=academic, 4=military, 5=not working current

. tabulate q122 q113, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 6: enumerations = 1
 stage 5: enumerations = 5
 stage 4: enumerations = 19
 stage 3: enumerations = 166
 stage 2: enumerations = 2656
 stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	What is your current job?						Total
	1	2	3	4	5	6	
1	276 87.07	752 87.04	506 90.68	11 100.00	9 90.00	63 91.30	1,617 88.41
2	41 12.93	112 12.96	52 9.32	0 0.00	1 10.00	6 8.70	212 11.59

Total	317	864	558	11	10	69	1,829
	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Cramér's V = 0.0618
Fisher's exact = 0.243

.

. * Does/did your residency/fellowship program have a formal maternity leave policy for trainees at the time of your training?

. tabulate q122 q114, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 19

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Does/did your residency/fellowship program have a formal maternity leave policy			Total
	1	2	3	
1	533 88.69	473 89.92	612 87.06	1,618 88.42
2	68 11.31	53 10.08	91 12.94	212 11.58

Total	601	526	703	1,830
	100.00	100.00	100.00	100.00

Cramér's V = 0.0368
Fisher's exact = 0.298

```
.
. * Did you train in the United States?
. tabulate q122 q96, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Did you train in the United States?		Total
	1	2	
1	44 93.62	1,574 88.28	1,618 88.42
2	3 6.38	209 11.72	212 11.58
Total	47 100.00	1,783 100.00	1,830 100.00

Cramér's V = **0.0264**
 Fisher's exact = **0.356**
 1-sided Fisher's exact = **0.187**

.

. * Does/did your residency/fellowship program have a formal paternity leave policy for trainees at the time of your training?
 . tabulate q122 q115, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 13

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Does/did your residency/fellowship program have a formal paternity leave policy			Total
	1	2	3	
1	712 88.45	228 90.84	677 87.58	1,617 88.41
2	93 11.55	23 9.16	96 12.42	212 11.59
Total	805 100.00	251 100.00	773 100.00	1,829 100.00

Cramér's V = **0.0328**
 Fisher's exact = **0.387**

.

. * Create variable that equals 2 if pregnant during, or did you have any children during your residency or fellowship tr
 . tabulate q122 q7mod, column exact V

Key
<i>frequency</i>
<i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	q7mod		Total
	1	2	
1	981 87.90	637 89.22	1,618 88.42
2	135 12.10	77 10.78	212 11.58
Total	1,116 100.00	714 100.00	1,830 100.00

Cramér's V = **-0.0200**
 Fisher's exact = **0.411**
 1-sided Fisher's exact = **0.218**

.
 . * Was the chief/chair of the Anesthesiology Department during your residency training male or female? Male=1
 . tabulate q122 q105, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Was the chief/chair of the Anesthesiology Department during your residency training		Total
	1	2	
1	1,404 88.19	212 90.21	1,616 88.45
2	188 11.81	23 9.79	211 11.55
Total	1,592 100.00	235 100.00	1,827 100.00

Cramér's V = **-0.0212**
 Fisher's exact = **0.444**
 1-sided Fisher's exact = **0.215**

```
.
. * Did you complete a fellowship?
. tabulate q122 q107, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Did you complete a fellowship?		Total
	1	2	
1	962 88.99	645 87.76	1,607 88.49
2	119 11.01	90 12.24	209 11.51
Total	1,081 100.00	735 100.00	1,816 100.00

Cramér's V = 0.0190
 Fisher's exact = 0.454
 1-sided Fisher's exact = 0.231

- . * Does your partner work outside the home? 3=not applicable
- . tabulate q122 q124, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 10

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Does your partner work outside the home? <input type="checkbox"/>			Total
	1	2	3	
1	239 90.53	1,220 87.90	158 89.27	1,617 88.41
2	25 9.47	168 12.10	19 10.73	212 11.59
Total	264 100.00	1,388 100.00	177 100.00	1,829 100.00

Cramér's V = 0.0300
Fisher's exact = 0.468

```
.
. * Are you currently in practice? 3=retired
. tabulate q122 q117, column exact V
```

Key
<i>frequency</i>
<i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Are you currently in practice?			Total
	1	2	3	
1	186 87.32	1,425 88.62	6 85.71	1,617 88.46
2	27 12.68	183 11.38	1 14.29	211 11.54
Total	213 100.00	1,608 100.00	7 100.00	1,828 100.00

Cramér's V = 0.0141
Fisher's exact = 0.618

.
 . * Are/were there female residents in your program who were pregnant during their training at your residency training pr
 . tabulate q122 q102, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Are/were there female residents in your program who were pregnant during their t		Total
	1	2	
1	368 87.83	1,250 88.65	1,618 88.46
2	51 12.17	160 11.35	211 11.54
Total	419 100.00	1,410 100.00	1,829 100.00

Cramér's V = -0.0108
 Fisher's exact = 0.663
 1-sided Fisher's exact = 0.349

```
.
. * Is your partner a physician?
. tabulate q122 q125, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 1

stage 1: enumerations = 0

Would you counsel a female student against a career in anesthesio logy due to obs	Is your partner a physician?			Total
	1	2	3	
1	966 88.30	502 88.54	148 88.62	1,616 88.40
2	128 11.70	65 11.46	19 11.38	212 11.60
Total	1,094 100.00	567 100.00	167 100.00	1,828 100.00

Cramér's V = 0.0040
Fisher's exact = 0.994

```
.
. * Do you currently live in the United States?
. tabulate q122 q97, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	Do you currently live in the United States?		Total
	1	2	
1	7 87.50	1,610 88.41	1,617 88.41
2	1 12.50	211 11.59	212 11.59
Total	8 100.00	1,821 100.00	1,829 100.00

Cramér's V = -0.0019
 Fisher's exact = 1.000
 1-sided Fisher's exact = 0.628

- . * Additional analyses in Table 2 legend
- . * q2 is do you plan to have children in the future?
- . tabulate q2 q119, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 151

stage 1: enumerations = 0

Do you plan to have children in the future?	Was your desired number of children adversely affected by work or training deman			Total
	1	2	3	
1	680 77.80	410 53.04	61 33.89	1,151 63.00
2	194 22.20	363 46.96	119 66.11	676 37.00
Total	874 100.00	773 100.00	180 100.00	1,827 100.00

Cramér's V = 0.3143
Fisher's exact = 0.000

```
. return list
```

```
scalars:
```

```

      r(N) = 1827
      r(r) = 2
      r(c) = 3
r(CramersV) = .3143177738281109
r(p_exact) = 1.52429725551e-40

```

```
. tabulate q2 q118, column exact V
```

Key
<i>frequency</i>
<i>column percentage</i>

Enumerating sample-space combinations:

```

stage 3: enumerations = 1
stage 2: enumerations = 119
stage 1: enumerations = 0

```

Do you plan to have children in the future?	Was/is your desired age of childbearing/motherhood adversely affected by work de			Total
	1	2	3	
1	527 78.77	528 52.38	96 62.75	1,151 62.90
2	142 21.23	480 47.62	57 37.25	679 37.10
Total	669 100.00	1,008 100.00	153 100.00	1,830 100.00

Cramér's V = 0.2561
 Fisher's exact = 0.000

. return list

scalars:

r(N) = 1830
 r(r) = 2
 r(c) = 3
 r(CramersV) = .2561103068884831
 r(p_exact) = 7.03281892758e-28

. * q3 is current marital status
 . tabulate q3 q119, column exact V

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1
 stage 2: enumerations = 37
 stage 1: enumerations = 0

Is your decision to not have children related to work or training?	Was your desired number of children adversely affected by work or training deman			Total
	1	2	3	
1	49 87.50	10 21.74	26 56.52	85 57.43
2	7 12.50	36 78.26	20 43.48	63 42.57
Total	56 100.00	46 100.00	46 100.00	148 100.00

Cramér's V = 0.5495
 Fisher's exact = 0.000

. return list

scalars:

r(N) = 148
 r(r) = 2
 r(c) = 3
 r(CramersV) = .5495428287835239
 r(p_exact) = 3.95508322182e-11

```
. tabulate q3 q118, column exact V
```

Key
<i>frequency</i> <i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 25

stage 1: enumerations = 0

Is your decision to not have children related to work or training?	Was/is your desired age of childbearing/motherhood adversely affected by work de			Total
	1	2	3	
1	51 86.44	21 32.81	13 52.00	85 57.43
2	8 13.56	43 67.19	12 48.00	63 42.57
Total	59 100.00	64 100.00	25 100.00	148 100.00

Cramér's V = 0.4965
Fisher's exact = 0.000

```
. return list
```

```
scalars:
```

```
      r(N) = 148
      r(r) = 2
      r(c) = 3
r(CramersV) = .4964551977535707
r(p_exact) = 2.85664223070e-09
```

```
.
. *** END OF Table 2 ***
```

```
.
. *** Table 3 ***
```

```
.
. generate byte q118q119Tab3 = .
(2,104 missing values generated)
```

```
. replace q118q119Tab3 = 1 if q118 == 1
(670 real changes made)
```

```
. replace q118q119Tab3 = 2 if q118 > 1 & q119 == 1
(336 real changes made)
```

```
. replace q118q119Tab3 = 3 if q118 > 1 & q119 == 3
(154 real changes made)
```

```
. replace q118q119Tab3 = 4 if q118 > 1 & q119 == 2
(676 real changes made)
```

```
. tabulate q122 q118q119Tab3, column
```

Key
<i>frequency</i>
<i>column percentage</i>

Would you counsel a female student against a career in anesthesio logy due to obs	q118q119Tab3				Total
	1	2	3	4	
1	640 95.81	307 91.37	134 88.74	536 79.53	1,617 88.41
2	28 4.19	29 8.63	17 11.26	138 20.47	212 11.59
Total	668 100.00	336 100.00	151 100.00	674 100.00	1,829 100.00

```
.
. csi 133 22 507 517, or exact
```

	Exposed	Unexposed	Total	
Cases	133	22	155	
Noncases	507	517	1024	
Total	640	539	1179	
Risk	.2078125	.0408163	.1314673	
	Point estimate		[95% Conf. Interval]	
Risk difference	.1669962		.131399	.2025934
Risk ratio	5.091406		3.291176	7.876339
Attr. frac. ex.	.8035906		.6961572	.8730375
Attr. frac. pop	.6895326			
Odds ratio	6.164694		3.876727	9.800777 (Cornfield)

1-sided Fisher's exact P = **0.0000**

2-sided Fisher's exact P = **0.0000**

```
.
. ranksum q118q119Tab3, by(q122) porder
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

q122	obs	rank sum	expected
1	1617	1415585.5	1479555
2	212	257949.5	193980
combined	1829	1673535	1673535

```
unadjusted variance    52277610
adjustment for ties    -5516466.9
```

```
adjusted variance      46761143
```

```
Ho: q118q1~3(q122==1) = q118q1~3(q122==2)
```

```
      z =  -9.355
```

```
Prob > |z| =  0.0000
```

```
P{q118q1~3(q122==1) > q118q1~3(q122==2)} = 0.313
```

```
.
end of do-file
```