

Figure 10a- Egg Weight by Group;

Egg Weight by Group

The GLM Procedure

Dependent Variable: EGG_WT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	460.208571	115.052143	5.73	0.0015
Error	30	601.851429	20.061714		
Corrected Total	34	1062.060000			

The MEANS Procedure

GROUP=1=Control

Analysis Variable : EGG_WT

N	Minimum	Maximum	Mean	Median	Std Dev	Std Error	Lower 95% CL for Mean	Upper 95% CL for Mean
7	6.7000000	27.9000000	18.3571429	17.6000000	7.3011089	2.7595598	11.6047434	25.1095423

GROUP=2=CNP

Analysis Variable : EGG_WT

N	Minimum	Maximum	Mean	Median	Std Dev	Std Error	Lower 95% CL for Mean	Upper 95% CL for Mean
7	8.7000000	25.2000000	15.2857143	13.5000000	5.6212183	2.1246208	10.0869544	20.4844741

GROUP=3=AgCNP

Analysis Variable : EGG_WT

N	Minimum	Maximum	Mean	Median	Std Dev	Std Error	Lower 95% CL for Mean	Upper 95% CL for Mean
7	4.4000000	9.5000000	7.4714286	7.9000000	1.6790020	0.6346031	5.9186107	9.0242464

GROUP=4=CNP+AgNO3

Analysis Variable : EGG_WT

N	Minimum	Maximum	Mean	Median	Std Dev	Std Error	Lower 95% CL for Mean	Upper 95% CL for Mean
7	8.1000000	15.8000000	12.2285714	12.5000000	2.8388462	1.0729830	9.6030766	14.8540662

GROUP=5=AgNO3

Analysis Variable : EGG_WT

N	Minimum	Maximum	Mean	Median	Std Dev	Std Error	Lower 95% CL for Mean	Upper 95% CL for Mean
7	8.0000000	14.2000000	12.1571429	12.1000000	2.1274845	0.8041136	10.1895478	14.1247379

Egg Weight by Group

The GLM Procedure
Least Squares Means

Adjustment for Multiple Comparisons: Tukey

GROUP	EGG_WT LSMEAN	LSMEAN Number
1=Control	18.3571429	1
2=CNP	15.2857143	2
3=AgCNP	7.4714286	3
4=CNP+AgNO3	12.2285714	4
5=AgNO3	12.1571429	5

Least Squares Means for effect GROUP

Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: EGG_WT

i/j	1	2	3	4	5
1		0.7034	0.0007	0.1041	0.0979
2	0.7034		0.0213	0.7069	0.6892
3	0.0007	0.0213		0.2965	0.3107
4	0.1041	0.7069	0.2965		1.0000
5	0.0979	0.6892	0.3107	1.0000	

Figure 10c-% Eggs hatched

The FREQ Procedure

		Table of EGGS_HATCHED_YES by GROUP					
Frequency	EGGS_HATCHED_YES	GROUP					Total
Col Pct	S	1=Control	2=CN	3=AgCN	4=CNP+AgNO	5=AgNO	
		1	P	P	3	3	
Yes		527	586	492	577	527	2709
		87.83	83.71	82.00	82.43	87.83	
No		73	114	108	123	73	491
		12.17	16.29	18.00	17.57	12.17	
Total		600	700	600	700	600	3200

Statistics for Table of EGGS_HATCHED_YES by GROUP

Statistic	DF	Value	Prob
Chi-Square	4	15.7366	0.0034
Likelihood Ratio Chi-Square	4	16.0806	0.0029
Mantel-Haenszel Chi-Square	1	0.1005	0.7512
Phi Coefficient		0.0701	
Contingency Coefficient		0.0700	
Cramer's V		0.0701	

Sample Size = 3200

Proportion Eggs Hatched with SE by Group

The FREQ Procedure

GROUP=1=Control

EGGS_HATCHED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	527	87.83	527	87.83
No	73	12.17	600	100.00

Binomial Proportion

EGGS_HATCHED_YES = Yes

Proportion 0.8783

ASE 0.0133

95% Lower Conf Limit 0.8522

95% Upper Conf Limit 0.9045

Exact Conf Limits

95% Lower Conf Limit 0.8495

95% Upper Conf Limit 0.9034

Test of H0: Proportion = 0.5

ASE under H0 0.0204

Z 18.5345

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 600

Proportion Eggs Hatched with SE by Group

The FREQ Procedure
GROUP=2=CNP

EGGS_HATCHED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	586	83.71	586	83.71
No	114	16.29	700	100.00

Binomial Proportion

EGGS_HATCHED_YES = Yes

Proportion 0.8371

ASE 0.0140

95% Lower Conf Limit 0.8098

95% Upper Conf Limit 0.8645

Exact Conf Limits

95% Lower Conf Limit 0.8077

95% Upper Conf Limit 0.8637

Test of H0: Proportion = 0.5

ASE under H0 0.0189

Z 17.8399

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 700

Proportion Eggs Hatched with SE by Group

The FREQ Procedure
GROUP=3=AgCNP

EGGS_HATCHED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	492	82.00	492	82.00
No	108	18.00	600	100.00

Binomial Proportion

EGGS_HATCHED_YES = Yes

Proportion 0.8200

ASE 0.0157

95% Lower Conf Limit 0.7893

95% Upper Conf Limit 0.8507

Exact Conf Limits

95% Lower Conf Limit 0.7869

95% Upper Conf Limit 0.8499

Test of H0: Proportion = 0.5

ASE under H0 0.0204

Z 15.6767

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 600

Proportion Eggs Hatched with SE by Group

The FREQ Procedure
GROUP=4=CNP+AgNO3

EGGS_HATCHED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	577	82.43	577	82.43
No	123	17.57	700	100.00

Binomial Proportion

EGGS_HATCHED_YES = Yes

Proportion 0.8243

ASE 0.0144

95% Lower Conf Limit 0.7961

95% Upper Conf Limit 0.8525

Exact Conf Limits

95% Lower Conf Limit 0.7940

95% Upper Conf Limit 0.8518

Test of H0: Proportion = 0.5

ASE under H0 0.0189

Z 17.1596

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 700

Proportion Eggs Hatched with SE by Group

The FREQ Procedure

GROUP=5=AgNO3

EGGS_HATCHED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	527	87.83	527	87.83
No	73	12.17	600	100.00

Binomial Proportion

EGGS_HATCHED_YES = Yes

Proportion 0.8783

ASE 0.0133

95% Lower Conf Limit 0.8522

95% Upper Conf Limit 0.9045

Exact Conf Limits

95% Lower Conf Limit 0.8495

95% Upper Conf Limit 0.9034

Test of H0: Proportion = 0.5

ASE under H0 0.0204

Z 18.5345

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 600

Chi-Square Analysis for a 2x5 table

Tukey Style Multiple Comparisons of Proportions

Compare Diff SE q q(.05) Conclude

```
-----  
5 vs 3  4.68  1.17  4    3.585  R  
5 vs 4  4.35  1.13  3.85  3.585  R  
5 vs 2  3.37  1.13  2.98  3.585  A  
5 vs 1  0     1.17  0     3.585  A  
1 vs 3  4.68  1.17  4    3.585  R  
1 vs 4  4.35  1.13  3.85  3.585  R  
1 vs 2  3.37  1.13  2.98  3.585  A  
2 vs 3  1.31  1.13  1.16  3.585  A  
2 vs 4  0.98  1.08  0.91  3.585  A  
4 vs 3  0.33  1.13  0.29  3.585  A
```

Reference: Biostatistical Analysis, Fourth Edition, Jerrold Zar, 1999, p564.

Tukey Style Multiple Comparisons of Proportions

Compare Diff SE q q(.01) Conclude

```
-----  
5 vs 3  4.68  1.17  4    4.603  A  
5 vs 4  4.35  1.13  3.85  4.603  A  
5 vs 2  3.37  1.13  2.98  4.603  A  
5 vs 1  0     1.17  0     4.603  A  
1 vs 3  4.68  1.17  4    4.603  A  
1 vs 4  4.35  1.13  3.85  4.603  A  
1 vs 2  3.37  1.13  2.98  4.603  A  
2 vs 3  1.31  1.13  1.16  4.603  A  
2 vs 4  0.98  1.08  0.91  4.603  A  
4 vs 3  0.33  1.13  0.29  4.603  A
```

Reference: Biostatistical Analysis, Fourth Edition, Jerrold Zar, 1999, p564.

Figure 10c-% Adults Emerged

The FREQ Procedure

Frequency Table of ADULTS_EMERGED_YES by GROUP

Col Pct	ADULTS_EMERGED_YES	GROUP					Total
		1=Control	2=CNP	3=AgCNP	4=CNP+AgNO3	5=AgNO3	
	Yes	458	518	394	492	464	2326
		76.33	74.00	65.67	70.29	77.33	
	No	142	182	206	208	136	874
		23.67	26.00	34.33	29.71	22.67	
	Total	600	700	600	700	600	3200

Statistics for Table of ADULTS_EMERGED_YES by GROUP

Statistic	DF	Value	Prob
Chi-Square	4	28.0790	<.0001
Likelihood Ratio Chi-Square	4	27.7424	<.0001
Mantel-Haenszel Chi-Square	1	0.1592	0.6899
Phi Coefficient		0.0937	
Contingency Coefficient		0.0933	
Cramer's V		0.0937	

Sample Size = 3200

Proportion Adults Emerged with SE by Group
--

The FREQ Procedure
 GROUP=1=Control

ADULTS_EMERGED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	458	76.33	458	76.33
No	142	23.67	600	100.00

Binomial Proportion

ADULTS_EMERGED_YES = Yes

Proportion 0.7633

ASE 0.0174

95% Lower Conf Limit 0.7293

95% Upper Conf Limit 0.7973

Exact Conf Limits

95% Lower Conf Limit 0.7272

95% Upper Conf Limit 0.7968

Test of H0: Proportion = 0.5

ASE under H0 0.0204

Z 12.9006

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 600

Proportion Adults Emerged with SE by Group

The FREQ Procedure
GROUP=2=CNP

ADULTS_EMERGED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	518	74.00	518	74.00
No	182	26.00	700	100.00

Binomial Proportion

ADULTS_EMERGED_YES = Yes

Proportion 0.7400

ASE 0.0166

95% Lower Conf Limit 0.7075

95% Upper Conf Limit 0.7725

Exact Conf Limits

95% Lower Conf Limit 0.7058

95% Upper Conf Limit 0.7721

Test of H0: Proportion = 0.5

ASE under H0 0.0189

Z 12.6996

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 700

Proportion Adults Emerged with SE by Group

The FREQ Procedure
GROUP=3=AgCNP

ADULTS_EMERGED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	394	65.67	394	65.67
No	206	34.33	600	100.00

Binomial Proportion

ADULTS_EMERGED_YES = Yes

Proportion 0.6567

ASE 0.0194

95% Lower Conf Limit 0.6187

95% Upper Conf Limit 0.6947

Exact Conf Limits

95% Lower Conf Limit 0.6171

95% Upper Conf Limit 0.6946

Test of H0: Proportion = 0.5

ASE under H0 0.0204

Z 7.6751

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 600

Proportion Adults Emerged with SE by Group

The FREQ Procedure
GROUP=4=CNP+AgNO3

ADULTS_EMERGED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	492	70.29	492	70.29
No	208	29.71	700	100.00

Binomial Proportion

ADULTS_EMERGED_YES = Yes

Proportion 0.7029

ASE 0.0173

95% Lower Conf Limit 0.6690

95% Upper Conf Limit 0.7367

Exact Conf Limits

95% Lower Conf Limit 0.6675

95% Upper Conf Limit 0.7365

Test of H0: Proportion = 0.5

ASE under H0 0.0189

Z 10.7342

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 700

Proportion Adults Emerged with SE by Group

The FREQ Procedure
GROUP=5=AgNO3

ADULTS_EMERGED_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	464	77.33	464	77.33
No	136	22.67	600	100.00

Binomial Proportion

ADULTS_EMERGED_YES = Yes

Proportion 0.7733

ASE 0.0171

95% Lower Conf Limit 0.7398

95% Upper Conf Limit 0.8068

Exact Conf Limits

95% Lower Conf Limit 0.7377

95% Upper Conf Limit 0.8063

Test of H0: Proportion = 0.5

ASE under H0 0.0204

Z 13.3905

One-sided Pr > Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 600

Tukey Style Multiple Comparisons of Proportions

Compare Diff SE q q(.01) Conclude

	Compare	Diff	SE	q	q(.01)	Conclude
5 vs 3	7.43	1.17	6.35	4.603	R	
5 vs 4	4.59	1.13	4.06	4.603	A	
5 vs 2	2.22	1.13	1.96	4.603	A	
5 vs 1	0.68	1.17	0.58	4.603	A	
1 vs 3	6.75	1.17	5.77	4.603	R	
1 vs 4	3.91	1.13	3.46	4.603	A	
1 vs 2	1.54	1.13	1.36	4.603	A	
2 vs 3	5.21	1.13	4.61	4.603	R	
2 vs 4	2.37	1.08	2.2	4.603	A	
4 vs 3	2.84	1.13	2.51	4.603	A	

Tukey Style Multiple Comparisons of Proportions

Compare Diff SE q q(.001) Conclude

	Compare	Diff	SE	q	q(.001)	Conclude
5 vs 3	7.43	1.17	6.35	5.484	R	
5 vs 4	4.59	1.13	4.06	5.484	A	
5 vs 2	2.22	1.13	1.96	5.484	A	
5 vs 1	0.68	1.17	0.58	5.484	A	
1 vs 3	6.75	1.17	5.77	5.484	R	
1 vs 4	3.91	1.13	3.46	5.484	A	
1 vs 2	1.54	1.13	1.36	5.484	A	
2 vs 3	5.21	1.13	4.61	5.484	A	
2 vs 4	2.37	1.08	2.2	5.484	A	
4 vs 3	2.84	1.13	2.51	5.484	A	

Reference: Biostatistical Analysis, Fourth Edition, Jerrold Zar, 1999, p564.

Figure 10c-% Larvae Pupae

Chi-Square Analysis for a 2x5 table

The FREQ Procedure

Frequency Table of LARVAE_PUPAE_YES by GROUP

Col Pct	LARVAE_PUPAE_YES	GROUP					Total
		1=Control	2=CNP	3=AgCNP	4=CNP+AgNO3	5=AgNO3	
	Yes	69	68	98	85	63	383
		11.50	9.71	16.33	12.14	10.50	
	No	531	632	502	615	537	2817
		88.50	90.29	83.67	87.86	89.50	
	Total	600	700	600	700	600	3200

Statistics for Table of LARVAE_PUPAE_YES by GROUP

Statistic	DF	Value	Prob
Chi-Square	4	15.5985	0.0036
Likelihood Ratio Chi-Square	4	14.8848	0.0049
Mantel-Haenszel Chi-Square	1	0.0383	0.8449
Phi Coefficient		0.0698	
Contingency Coefficient		0.0696	
Cramer's V		0.0698	

Sample Size = 3200

Proportion Larvae-Pupae with SE by Group
--

LARVAE_PUPAE_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	69	11.50	69	11.50
No	531	88.50	600	100.00

Binomial Proportion

LARVAE_PUPAE_YES = Yes	
Proportion	0.1150
ASE	0.0130
95% Lower Conf Limit	0.0895
95% Upper Conf Limit	0.1405

Exact Conf Limits

95% Lower Conf Limit	0.0906
95% Upper Conf Limit	0.1433

Test of H0: Proportion = 0.5

ASE under H0	0.0204
Z	-18.8611
One-sided Pr < Z	<.0001
Two-sided Pr > Z	<.0001

Sample Size = 600

Proportion Larvae-Pupae with SE by Group

The FREQ Procedure

GROUP=2=CNP

LARVAE_PUPAE_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	68	9.71	68	9.71
No	632	90.29	700	100.00

Binomial Proportion

LARVAE_PUPAE_YES = Yes

Proportion 0.0971

ASE 0.0112

95% Lower Conf Limit 0.0752

95% Upper Conf Limit 0.1191

Exact Conf Limits

95% Lower Conf Limit 0.0762

95% Upper Conf Limit 0.1215

Test of H0: Proportion = 0.5

ASE under H0 0.0189

Z -21.3172

One-sided Pr < Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 700

Proportion Larvae-Pupae with SE by Group

The FREQ Procedure
GROUP=3=AgCNP

LARVAE_PUPAE_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	98	16.33	98	16.33
No	502	83.67	600	100.00

Binomial Proportion

LARVAE_PUPAE_YES = Yes	
Proportion	0.1633
ASE	0.0151
95% Lower Conf Limit	0.1338
95% Upper Conf Limit	0.1929

Exact Conf Limits

95% Lower Conf Limit	0.1346
95% Upper Conf Limit	0.1954

Test of H0: Proportion = 0.5

ASE under H0	0.0204
Z	-16.4932
One-sided Pr < Z	<.0001
Two-sided Pr > Z	<.0001

Sample Size = 600

Proportion Larvae-Pupae with SE by Group

The FREQ Procedure
GROUP=4=CNP+AgNO3

LARVAE_PUPAE_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	85	12.14	85	12.14
No	615	87.86	700	100.00

Binomial Proportion

LARVAE_PUPAE_YES = Yes	
Proportion	0.1214
ASE	0.0123
95% Lower Conf Limit	0.0972
95% Upper Conf Limit	0.1456

Exact Conf Limits

95% Lower Conf Limit	0.0982
95% Upper Conf Limit	0.1479

Test of H0: Proportion = 0.5

ASE under H0	0.0189
Z	-20.0321
One-sided Pr < Z	<.0001
Two-sided Pr > Z	<.0001

Sample Size = 700

Proportion Larvae-Pupae with SE by Group

The FREQ Procedure

GROUP=5=AgNO3

LARVAE_PUPAE_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	63	10.50	63	10.50
No	537	89.50	600	100.00

Binomial Proportion

LARVAE_PUPAE_YES = Yes

Proportion 0.1050

ASE 0.0125

95% Lower Conf Limit 0.0805

95% Upper Conf Limit 0.1295

Exact Conf Limits

95% Lower Conf Limit 0.0816

95% Upper Conf Limit 0.1323

Test of H0: Proportion = 0.5

ASE under H0 0.0204

Z -19.3510

One-sided Pr < Z <.0001

Two-sided Pr > |Z| <.0001

Sample Size = 600

Tukey Style Multiple Comparisons of Proportions

Compare Diff SE q q(.05) Conclude

Compare	Diff	SE	q	q(.05)	Conclude
3 vs 2	5.67	1.13	5.01	3.585	R
3 vs 5	4.91	1.17	4.2	3.585	R
3 vs 1	4	1.17	3.42	3.585	A
3 vs 4	3.44	1.13	3.04	3.585	A
4 vs 2	2.23	1.08	2.06	3.585	A
4 vs 5	1.47	1.13	1.3	3.585	A
4 vs 1	0.56	1.13	0.5	3.585	A
1 vs 2	1.66	1.13	1.47	3.585	A
1 vs 5	0.91	1.17	0.78	3.585	A
5 vs 2	0.75	1.13	0.67	3.585	A

Tukey Style Multiple Comparisons of Proportions

Compare Diff SE q q(.01) Conclude

Compare	Diff	SE	q	q(.01)	Conclude
3 vs 2	5.67	1.13	5.01	4.603	R
3 vs 5	4.91	1.17	4.2	4.603	A
3 vs 1	4	1.17	3.42	4.603	A
3 vs 4	3.44	1.13	3.04	4.603	A
4 vs 2	2.23	1.08	2.06	4.603	A
4 vs 5	1.47	1.13	1.3	4.603	A
4 vs 1	0.56	1.13	0.5	4.603	A
1 vs 2	1.66	1.13	1.47	4.603	A
1 vs 5	0.91	1.17	0.78	4.603	A
5 vs 2	0.75	1.13	0.67	4.603	A

Compare Diff SE q q(.001) Conclude

Compare	Diff	SE	q	q(.001)	Conclude
3 vs 2	5.67	1.13	5.01	5.484	A
3 vs 5	4.91	1.17	4.2	5.484	A
3 vs 1	4	1.17	3.42	5.484	A
3 vs 4	3.44	1.13	3.04	5.484	A
4 vs 2	2.23	1.08	2.06	5.484	A
4 vs 5	1.47	1.13	1.3	5.484	A
4 vs 1	0.56	1.13	0.5	5.484	A
1 vs 2	1.66	1.13	1.47	5.484	A
1 vs 5	0.91	1.17	0.78	5.484	A
5 vs 2	0.75	1.13	0.67	5.484	A

Figure 10d-% Female

Proportion Female with SE by Group

For FEMALES_YES * GROUP
 all data are missing because
 all levels of variable FEMALES_YES are
 missing.

Proportion Female with SE by Group

The FREQ Procedure

Frequency Table of FEMALES_YES by GROUP

Col Pct	FEMALES_YES	GROUP					Total
		1=Control	2=CNP	3=AgCNP	4=CNP+AgNO3	5=AgNO3	
	Yes	245	259	190	234	213	1141
		53.49	50.00	48.22	47.56	45.91	
	No	213	259	204	258	251	1185
		46.51	50.00	51.78	52.44	54.09	
	Total	458	518	394	492	464	2326

Statistics for Table of FEMALES_YES by GROUP

Statistic	DF	Value	Prob
Chi-Square	4	6.1860	0.1857
Likelihood Ratio Chi-Square	4	6.1896	0.1854
Mantel-Haenszel Chi-Square	1	5.7432	0.0166
Phi Coefficient		0.0516	
Contingency Coefficient		0.0515	
Cramer's V		0.0516	

Sample Size = 2326

Proportion Female with SE by Group

The FREQ Procedure

GROUP=1=Control

FEMALES_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
--------------------	------------------	----------------	---------------------------------	-------------------------------

Yes	245	53.49	245	53.49
------------	-----	-------	-----	-------

No	213	46.51	458	100.00
-----------	-----	-------	-----	--------

Binomial Proportion

FEMALES_YES = Yes

Proportion 0.5349

ASE 0.0233

95% Lower Conf Limit 0.4893

95% Upper Conf Limit 0.5806

Exact Conf Limits

95% Lower Conf Limit 0.4881

95% Upper Conf Limit 0.5814

Test of H0: Proportion = 0.5

ASE under H0 0.0234

Z 1.4953

One-sided Pr > Z 0.0674

Two-sided Pr > |Z| 0.1348

Sample Size = 458

Proportion Female with SE by Group

The FREQ Procedure

GROUP=2=CNP

FEMALES_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
--------------------	------------------	----------------	---------------------------------	-------------------------------

Yes	259	50.00	259	50.00
------------	-----	-------	-----	-------

No	259	50.00	518	100.00
-----------	-----	-------	-----	--------

Binomial Proportion

FEMALES_YES = Yes

Proportion 0.5000

ASE 0.0220

95% Lower Conf Limit 0.4569

95% Upper Conf Limit 0.5431

Exact Conf Limits

95% Lower Conf Limit 0.4561

95% Upper Conf Limit 0.5439

Test of H0: Proportion = 0.5

ASE under H0 0.0220

Z 0.0000

One-sided Pr < Z 0.5000

Two-sided Pr > |Z| 1.0000

Sample Size = 518

Proportion Female with SE by Group

The FREQ Procedure
GROUP=3=AgCNP

FEMALES_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	190	48.22	190	48.22
No	204	51.78	394	100.00

Binomial Proportion

FEMALES_YES = Yes

Proportion 0.4822

ASE 0.0252

95% Lower Conf Limit 0.4329

95% Upper Conf Limit 0.5316

Exact Conf Limits

95% Lower Conf Limit 0.4319

95% Upper Conf Limit 0.5328

Test of H0: Proportion = 0.5

ASE under H0 0.0252

Z -0.7053

One-sided Pr < Z 0.2403

Two-sided Pr > |Z| 0.4806

Sample Size = 394

Proportion Female with SE by Group

The FREQ Procedure
GROUP=4=CNP+AgNO3

FEMALES_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	234	47.56	234	47.56
No	258	52.44	492	100.00

Binomial Proportion

FEMALES_YES = Yes

Proportion 0.4756

ASE 0.0225

95% Lower Conf Limit 0.4315

95% Upper Conf Limit 0.5197

Exact Conf Limits

95% Lower Conf Limit 0.4307

95% Upper Conf Limit 0.5208

Test of H0: Proportion = 0.5

ASE under H0 0.0225

Z -1.0820

One-sided Pr < Z 0.1396

Two-sided Pr > |Z| 0.2793

Sample Size = 492

Proportion Female with SE by Group

The FREQ Procedure

GROUP=5=AgNO3

FEMALES_YES	Frequency	Percent	Cumulative Frequency	Cumulative Percent
--------------------	------------------	----------------	---------------------------------	-------------------------------

Yes	213	45.91	213	45.91
------------	-----	-------	-----	-------

No	251	54.09	464	100.00
-----------	-----	-------	-----	--------

Binomial Proportion

FEMALES_YES = Yes

Proportion 0.4591

ASE 0.0231

95% Lower Conf Limit 0.4137

95% Upper Conf Limit 0.5044

Exact Conf Limits

95% Lower Conf Limit 0.4130

95% Upper Conf Limit 0.5056

Test of H0: Proportion = 0.5

ASE under H0 0.0232

Z -1.7641

One-sided Pr < Z 0.0389

Two-sided Pr > |Z| 0.0777

Sample Size = 464