

SAS Exploratory Data Analysis (EDA) Output

Weighted Chi-Square tests: risk factor by hospitalization

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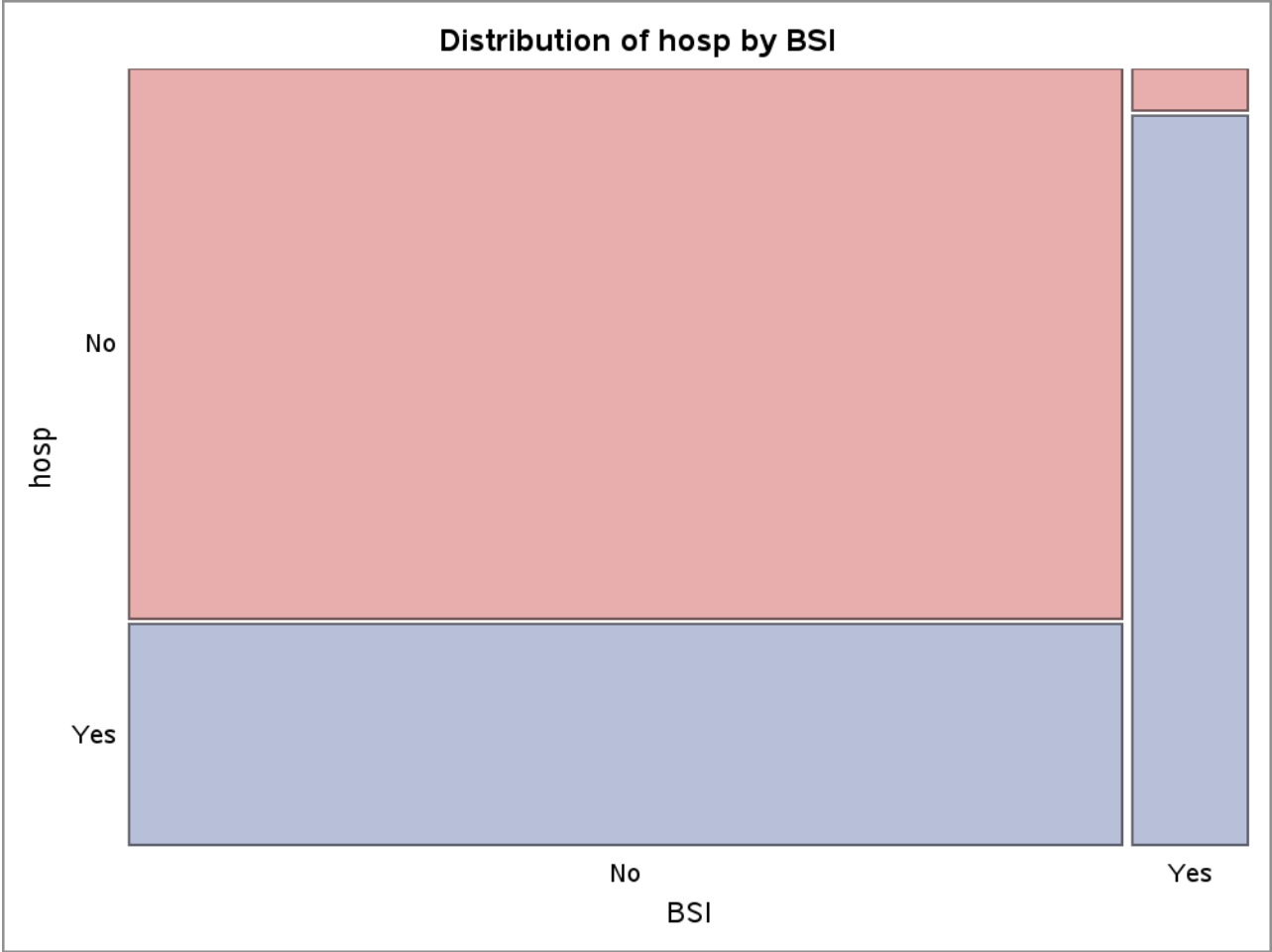
The SURVEYFREQ Procedure

Data Summary	
Number of Observations	1447
Sum of Weights	4363

Table of hosp					
hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	735	2808	75.19838	64.3594	1.3469
Yes	712	1555	57.08056	35.6406	1.3469
Total	1447	4363	53.60645	100.0000	

Table of hosp by BSI					
hosp	BSI	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	2783	75.59388	63.7864	1.3507
	Yes	25.00000	6.04924	0.5730	0.1397
	Total	2808	75.19838	64.3594	1.3469
Yes	No	1123	58.39357	25.7392	1.2844
	Yes	432.00000	22.79004	9.9014	0.5965
	Total	1555	57.08056	35.6406	1.3469
Total	No	3906	69.29320	89.5256	0.6141
	Yes	457.00000	23.26030	10.4744	0.6141
	Total	4363	53.60645	100.0000	

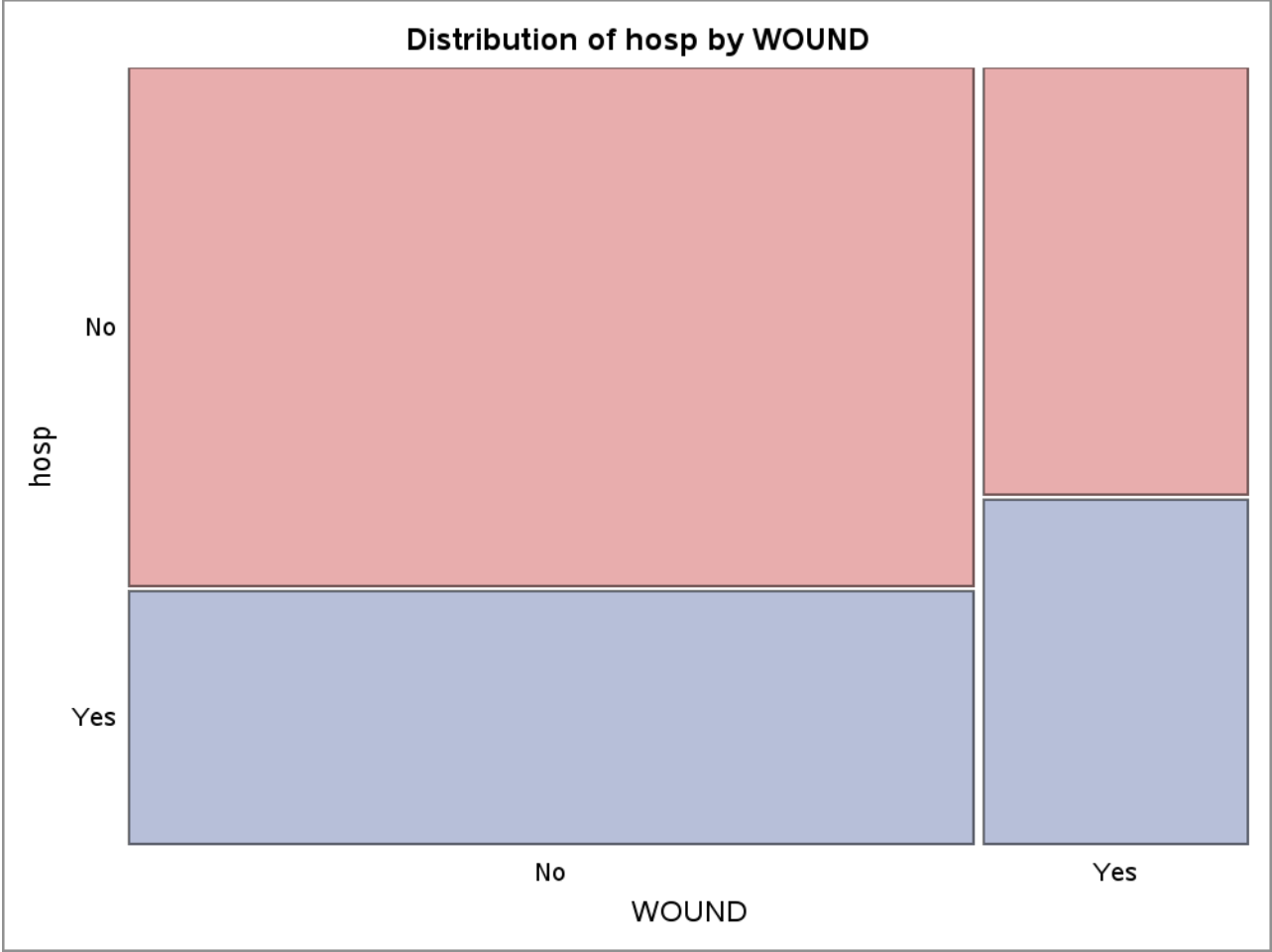
The SURVEYFREQ Procedure



Rao-Scott Chi-Square Test	
Pearson Chi-Square	255.9545
Design Correction	0.6271
Rao-Scott Chi-Square	408.1769
DF	1
Pr > ChiSq	<.0001
F Value	408.1769
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

The SURVEYFREQ Procedure

Table of hosp by WOUND					
hosp	WOUND	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	2232	73.19042	51.1575	1.4484
	Yes	576.00000	45.56478	13.2019	1.0189
	Total	2808	75.19838	64.3594	1.3469
Yes	No	1091	47.43384	25.0057	1.1549
	Yes	464.00000	41.33271	10.6349	0.9292
	Total	1555	57.08056	35.6406	1.3469
Total	No	3323	65.10562	76.1632	1.2740
	Yes	1040	58.43700	23.8368	1.2740
	Total	4363	53.60645	100.0000	



The SURVEYFREQ Procedure

Table of hosp by WOUND

Rao-Scott Chi-Square Test	
Pearson Chi-Square	15.9023
Design Correction	1.2392
Rao-Scott Chi-Square	12.8327
DF	1
Pr > ChiSq	0.0003
F Value	12.8327
Num DF	1
Den DF	1446
Pr > F	0.0004
Sample Size = 1447	

Table of hosp by SEX					
hosp	SEX	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	Female	1450	65.72655	33.2340	1.3956
	Male	1358	63.70503	31.1254	1.3689
	Total	2808	75.19838	64.3594	1.3469
Yes	Female	647.00000	41.26600	14.8292	0.9600
	Male	908.00000	48.66068	20.8114	1.1251
	Total	1555	57.08056	35.6406	1.3469
Total	Female	2097	68.74069	48.0633	1.4506
	Male	2266	68.70742	51.9367	1.4506
	Total	4363	53.60645	100.0000	



The SURVEYFREQ Procedure

Table of hosp by SEX

Rao-Scott Chi-Square Test	
Pearson Chi-Square	13.3776
Design Correction	1.1336
Rao-Scott Chi-Square	11.8010
DF	1
Pr > ChiSq	0.0006
F Value	11.8010
Num DF	1
Den DF	1446
Pr > F	0.0006
Sample Size = 1447	

Table of hosp by mrsafinal					
hosp	mrsafinal	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	MRSA	602.00000	46.01099	13.7978	1.0300
	MSSA	2206	73.31162	50.5615	1.4499
	Total	2808	75.19838	64.3594	1.3469
Yes	MRSA	631.00000	41.09750	14.4625	0.9538
	MSSA	924.00000	48.74023	21.1781	1.1296
	Total	1555	57.08056	35.6406	1.3469
Total	MRSA	1233	57.27668	28.2604	1.2893
	MSSA	3130	70.22049	71.7396	1.2893
	Total	4363	53.60645	100.0000	



The SURVEYFREQ Procedure

Table of hosp by mrsafinal

Rao-Scott Chi-Square Test	
Pearson Chi-Square	59.9755
Design Correction	1.1647
Rao-Scott Chi-Square	51.4953
DF	1
Pr > ChiSq	<.0001
F Value	51.4953
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Table of hosp by kidney					
hosp	kidney	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	2700	75.21902	61.8840	1.3750
	Yes	108.00000	20.00539	2.4754	0.4572
	Total	2808	75.19838	64.3594	1.3469
Yes	No	1213	54.05718	27.8020	1.2530
	Yes	342.00000	30.16284	7.8386	0.7004
	Total	1555	57.08056	35.6406	1.3469
Total	No	3913	63.64121	89.6860	0.8203
	Yes	450.00000	35.48134	10.3140	0.8203
	Total	4363	53.60645	100.0000	

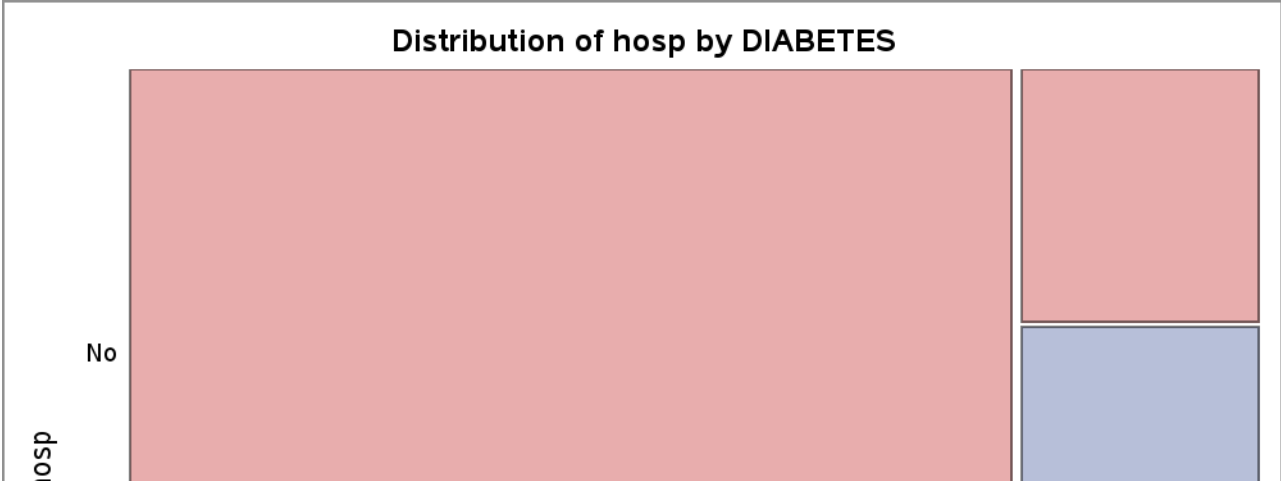


The SURVEYFREQ Procedure

Table of hosp by kidney

Rao-Scott Chi-Square Test	
Pearson Chi-Square	118.1689
Design Correction	1.1889
Rao-Scott Chi-Square	99.3910
DF	1
Pr > ChiSq	<.0001
F Value	99.3910
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Table of hosp by DIABETES					
hosp	DIABETES	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	2508	74.78567	57.4834	1.4150
	Yes	300.00000	33.20488	6.8760	0.7534
	Total	2808	75.19838	64.3594	1.3469
Yes	No	930.00000	48.35180	21.3156	1.1259
	Yes	625.00000	41.52393	14.3250	0.9594
	Total	1555	57.08056	35.6406	1.3469
Total	No	3438	68.59107	78.7990	1.1552
	Yes	925.00000	50.67016	21.2010	1.1552
	Total	4363	53.60645	100.0000	

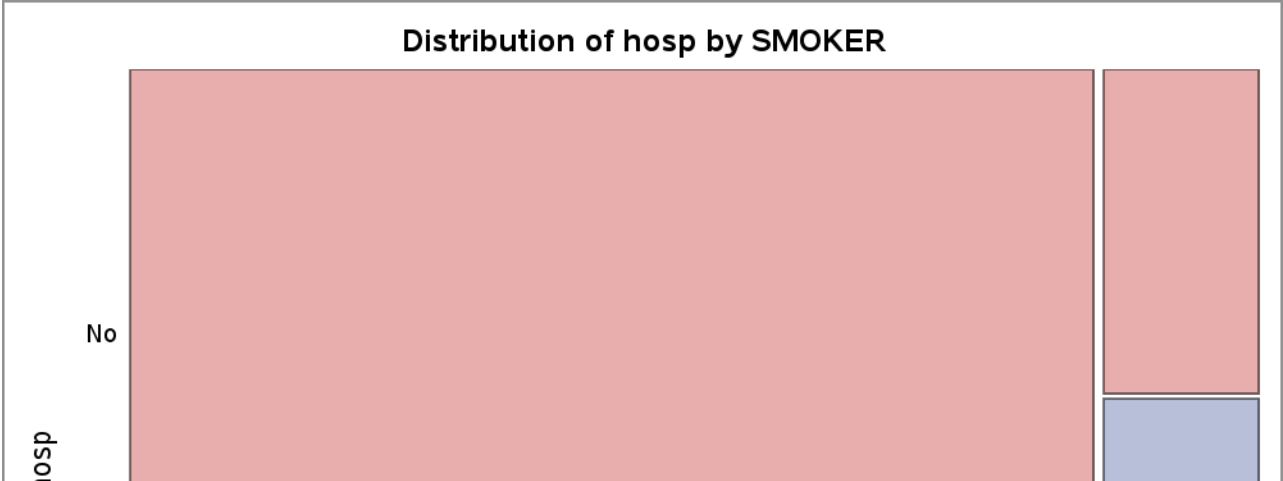


The SURVEYFREQ Procedure

Table of hosp by DIABETES

Rao-Scott Chi-Square Test	
Pearson Chi-Square	173.0064
Design Correction	1.1876
Rao-Scott Chi-Square	145.6779
DF	1
Pr > ChiSq	<.0001
F Value	145.6779
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

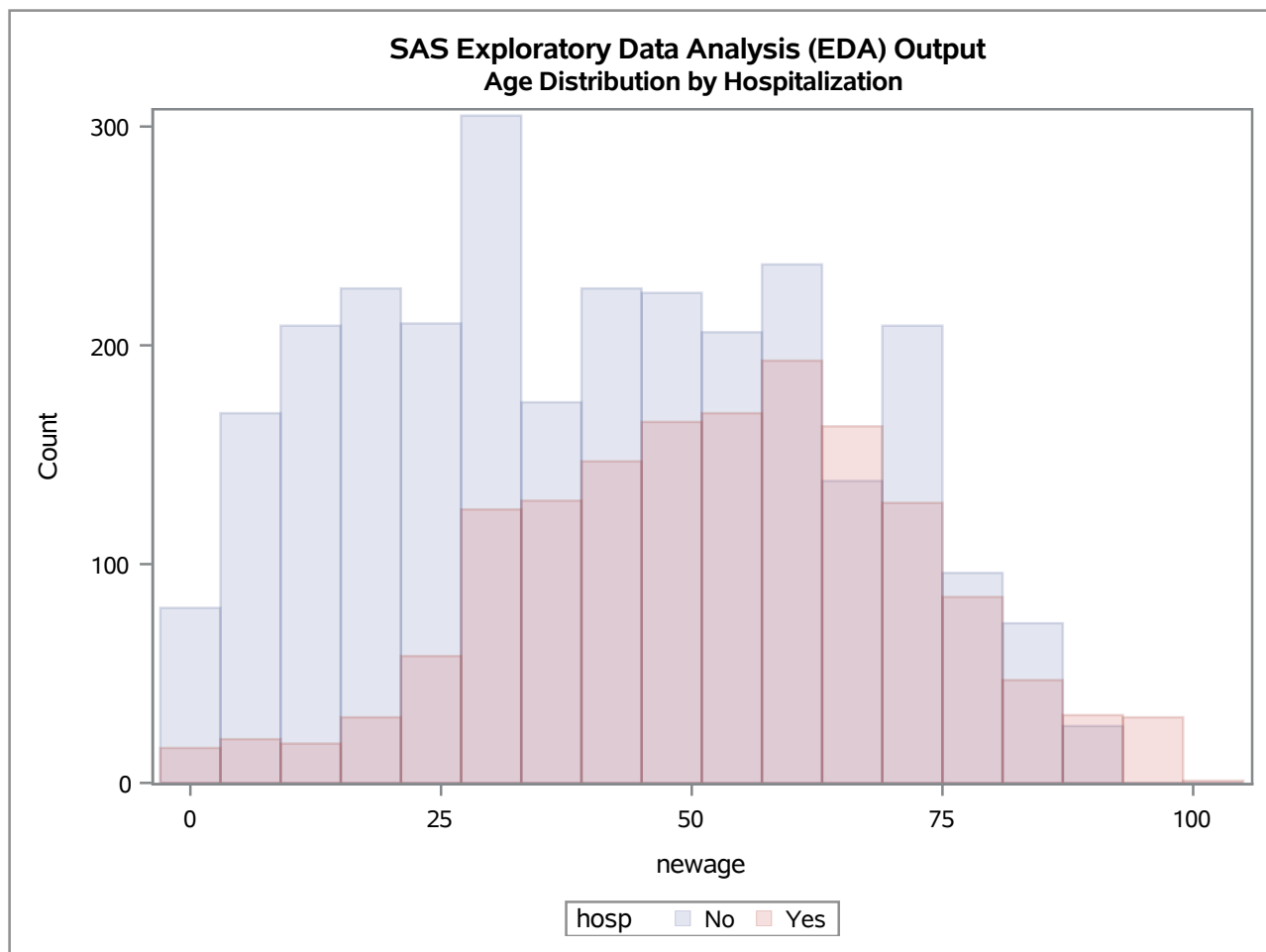
Table of hosp by SMOKER					
hosp	SMOKER	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	2557	74.84909	58.6065	1.4065
	Yes	251.00000	30.66122	5.7529	0.6965
	Total	2808	75.19838	64.3594	1.3469
Yes	No	1203	53.22418	27.5728	1.2425
	Yes	352.00000	31.79734	8.0678	0.7335
	Total	1555	57.08056	35.6406	1.3469
Total	No	3760	64.65760	86.1792	0.9756
	Yes	603.00000	42.76657	13.8208	0.9756
	Total	4363	53.60645	100.0000	

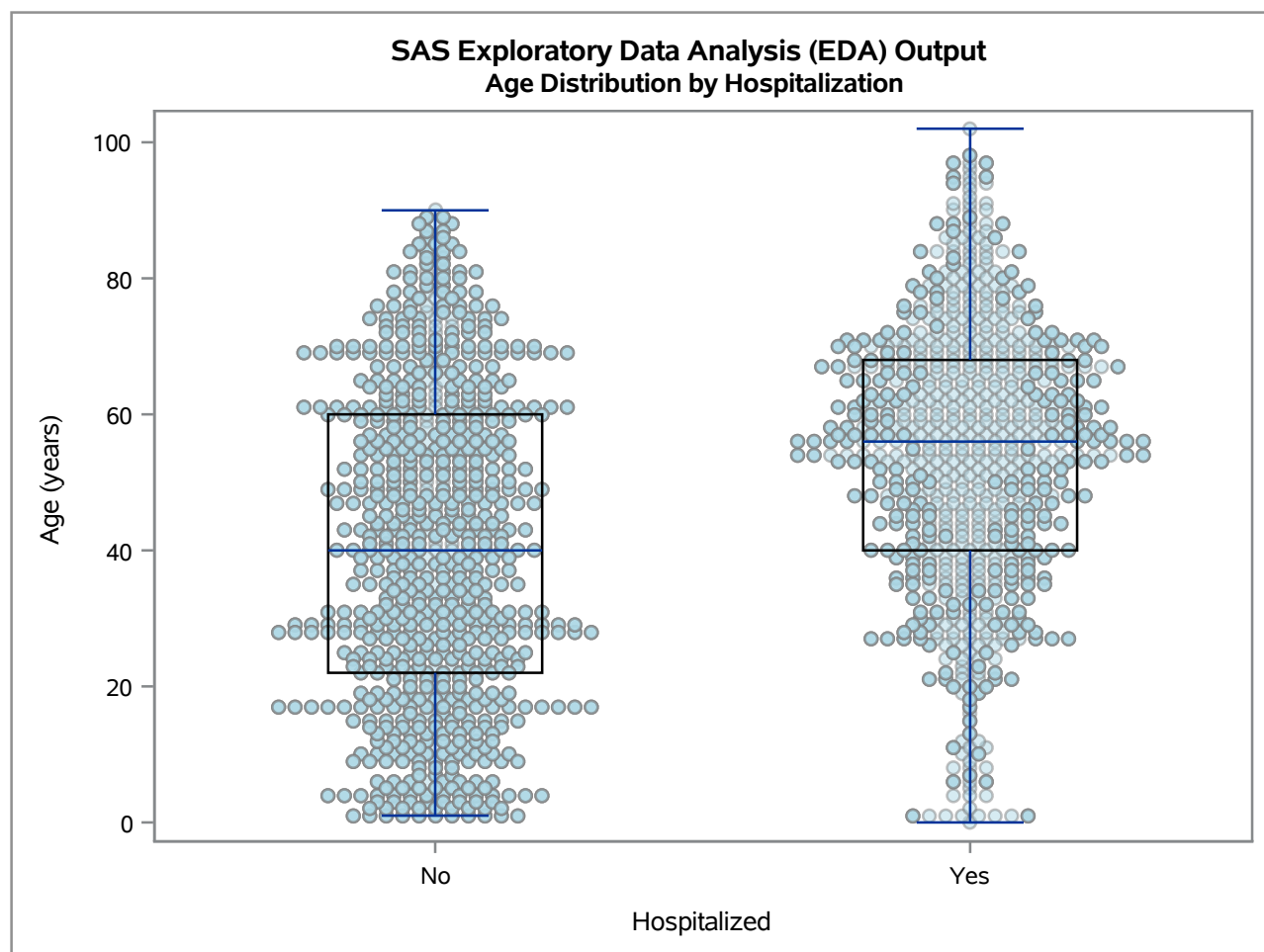


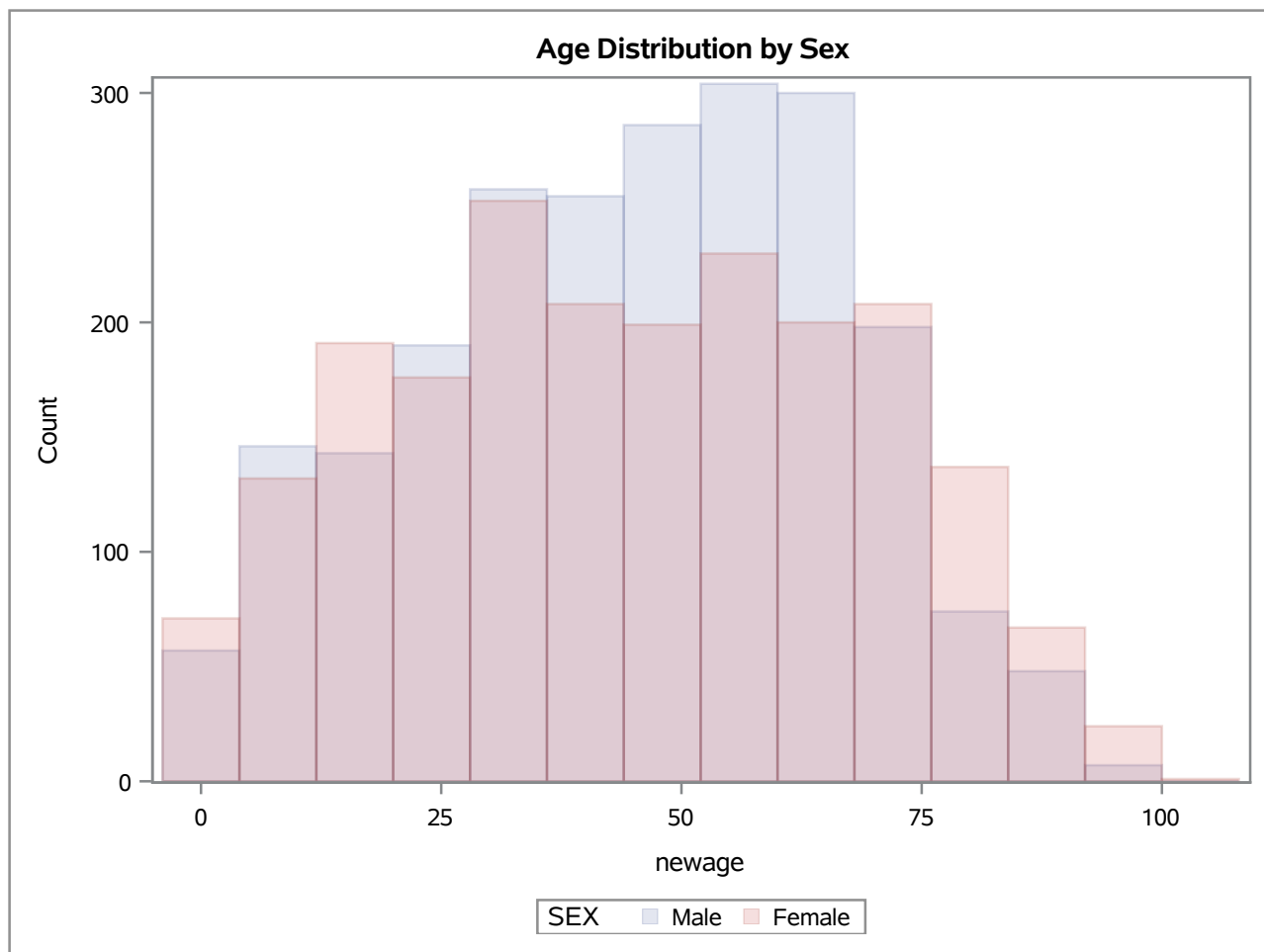
The SURVEYFREQ Procedure

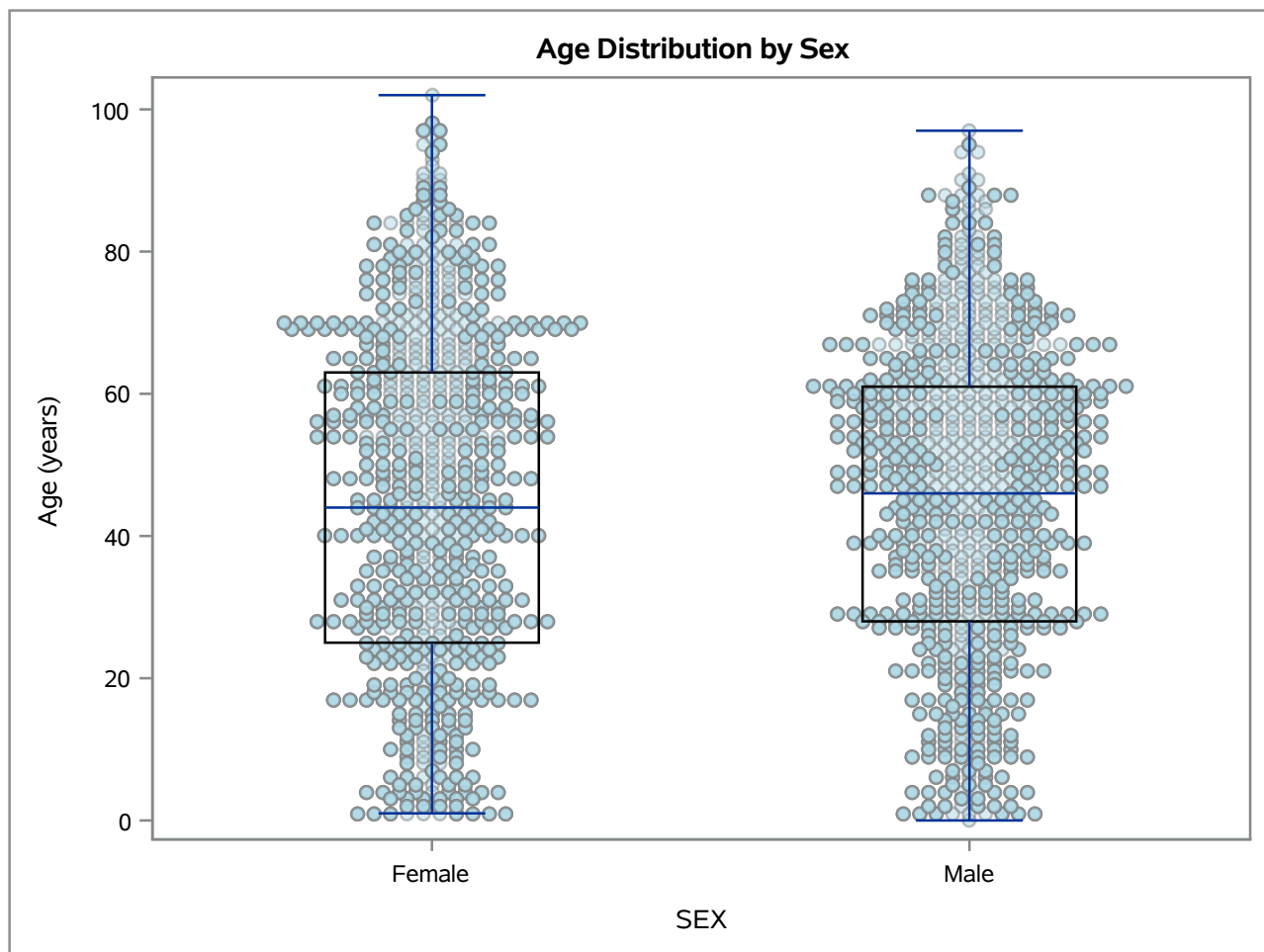
Table of hosp by SMOKER

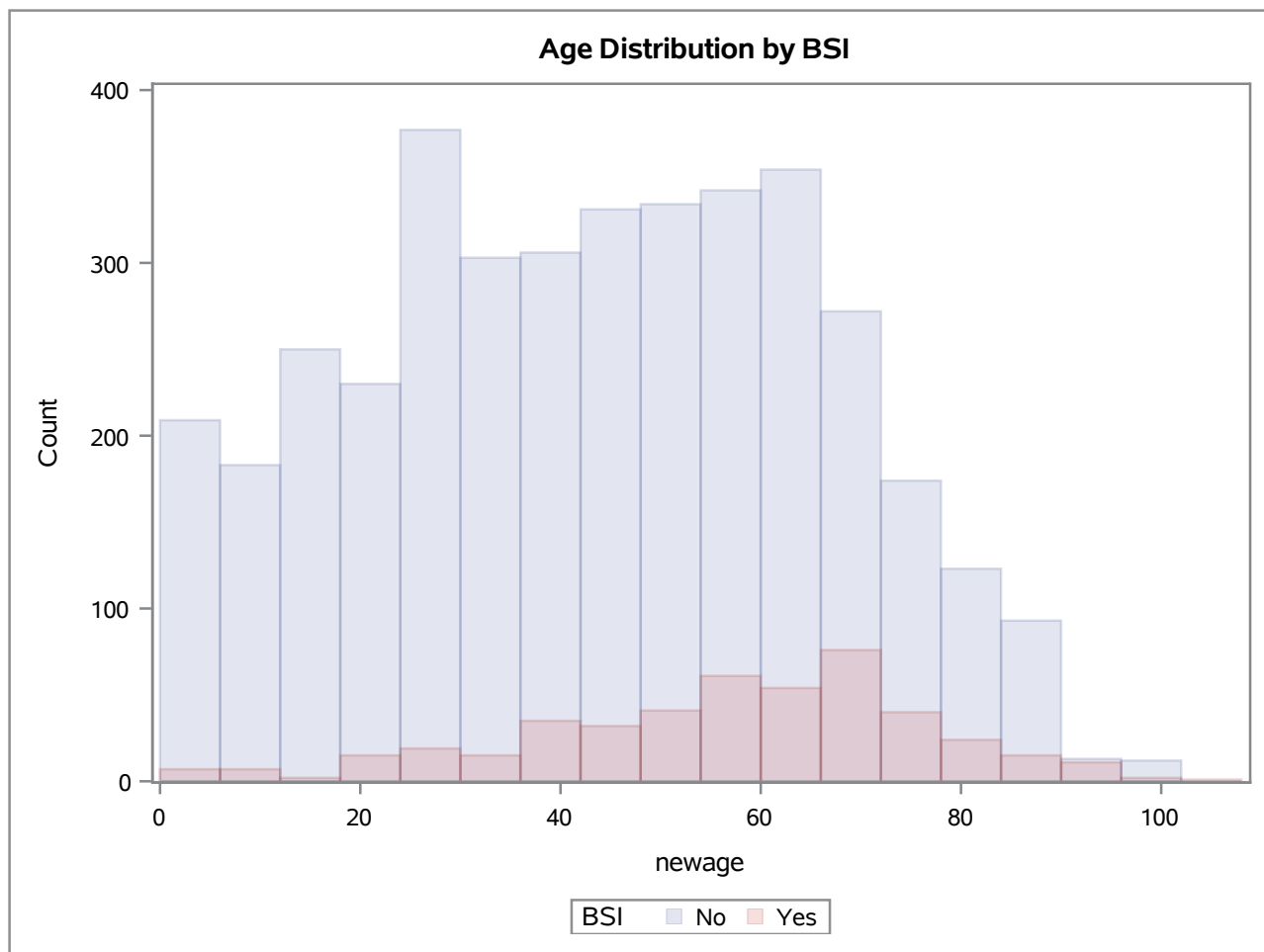
Rao-Scott Chi-Square Test	
Pearson Chi-Square	52.2877
Design Correction	1.1826
Rao-Scott Chi-Square	44.2155
DF	1
Pr > ChiSq	<.0001
F Value	44.2155
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

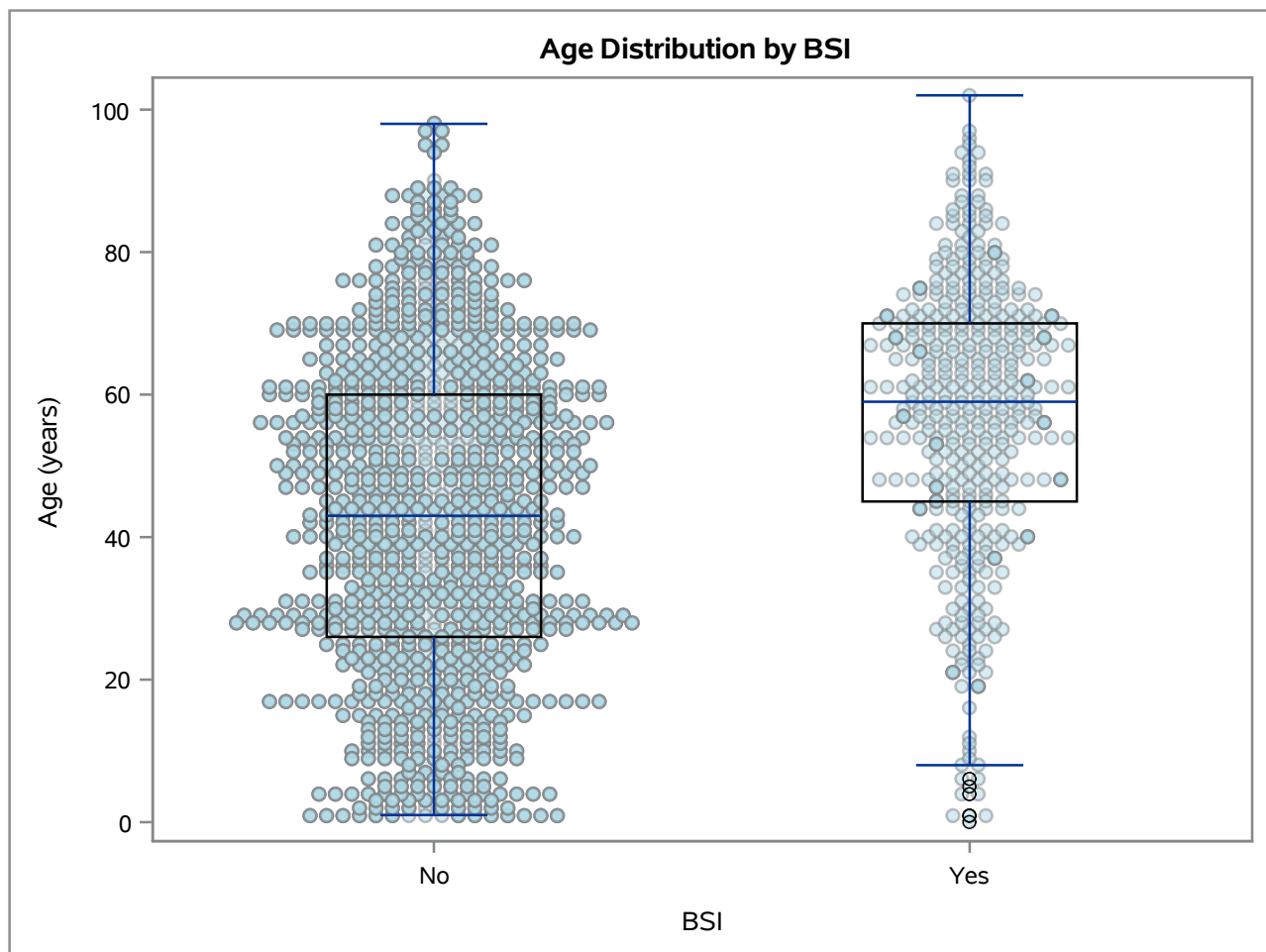


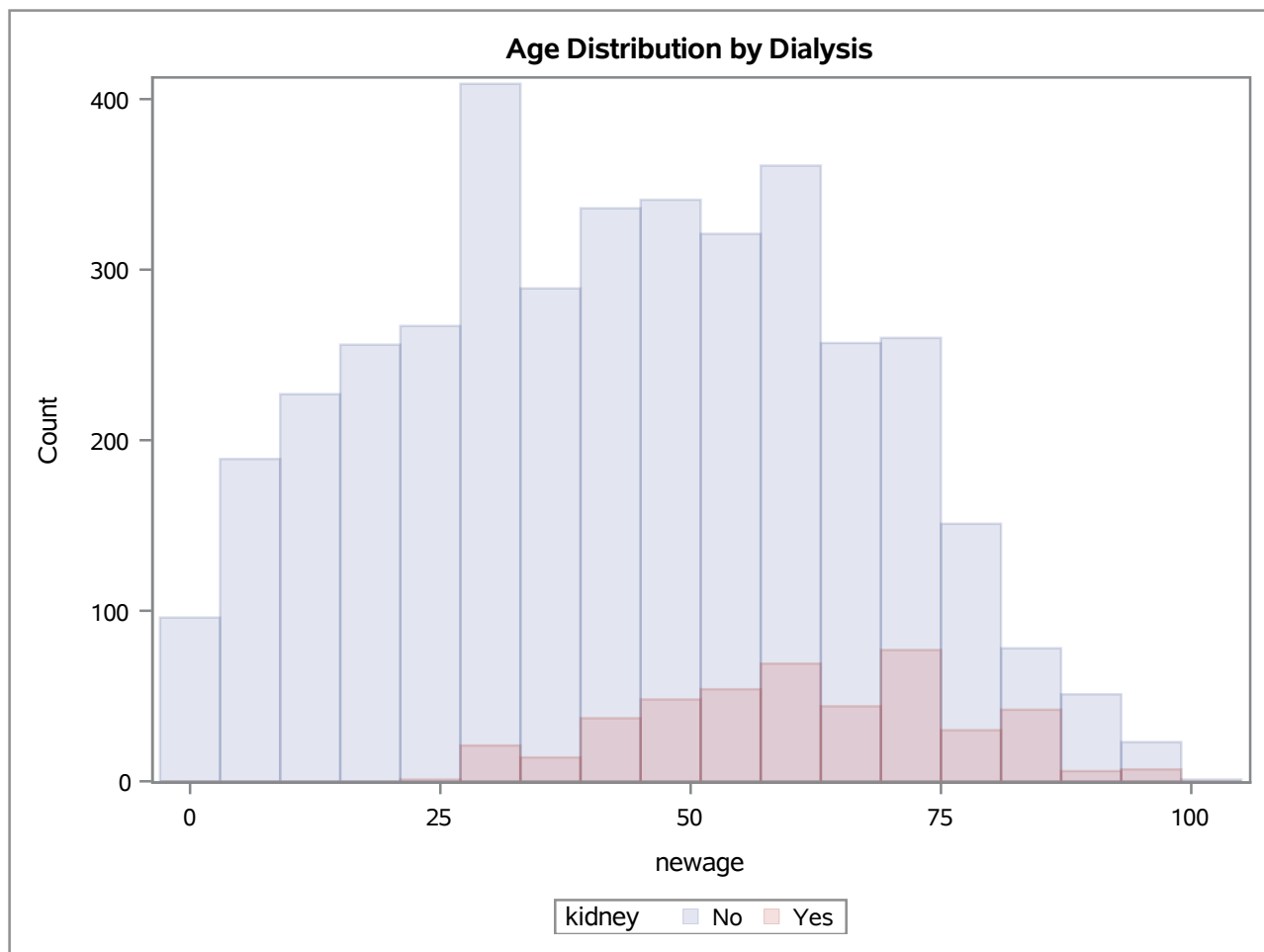


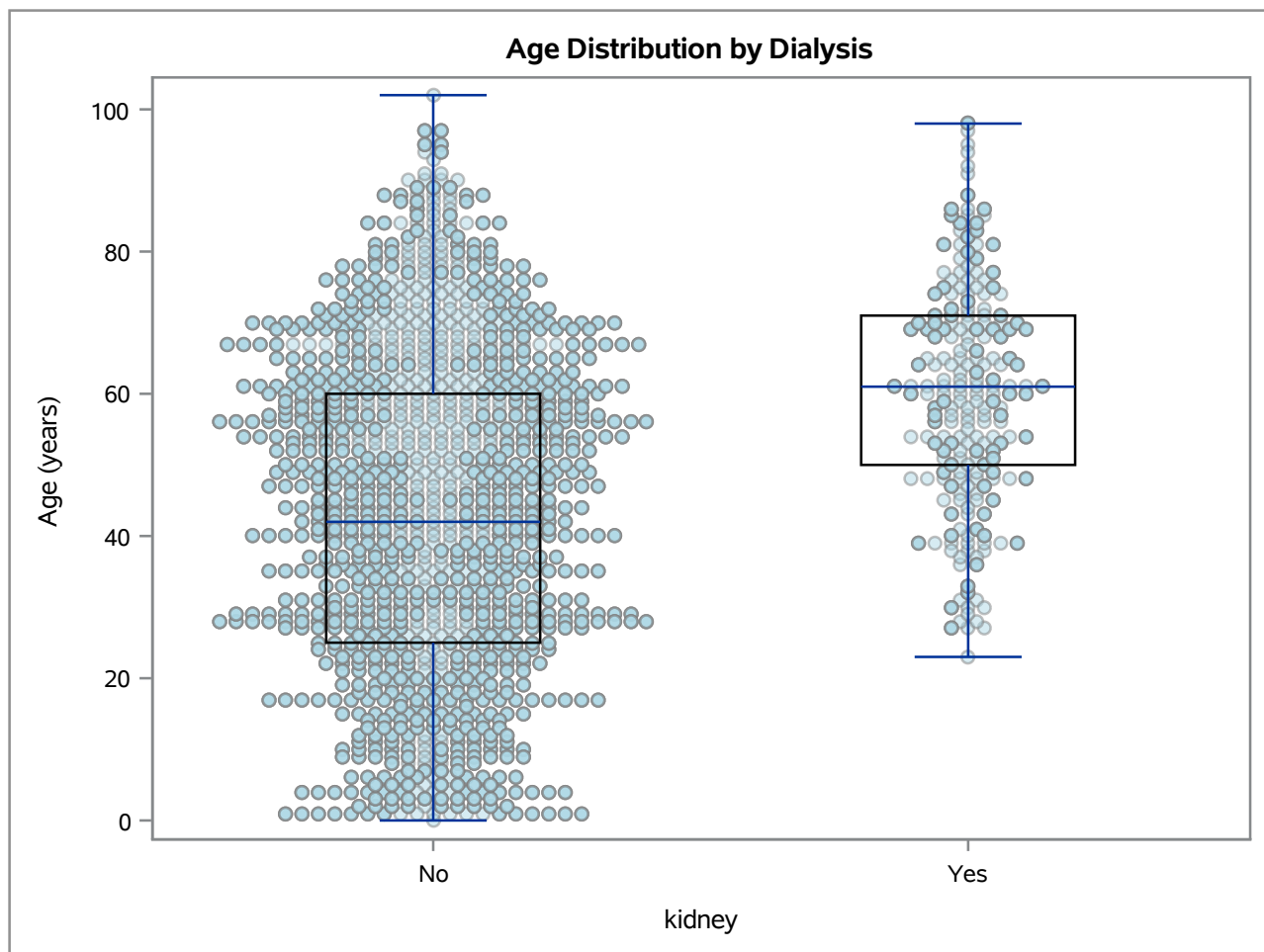


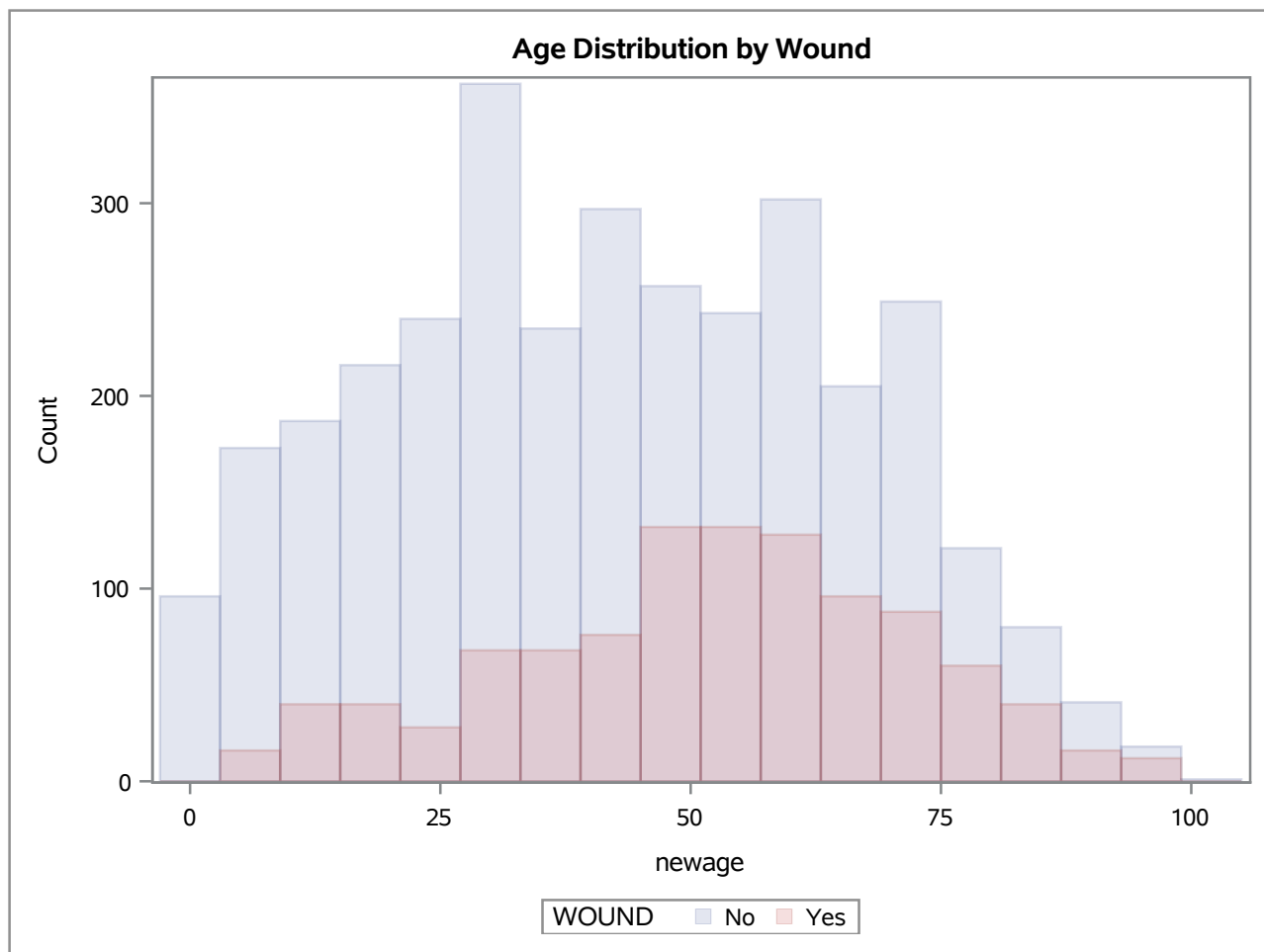


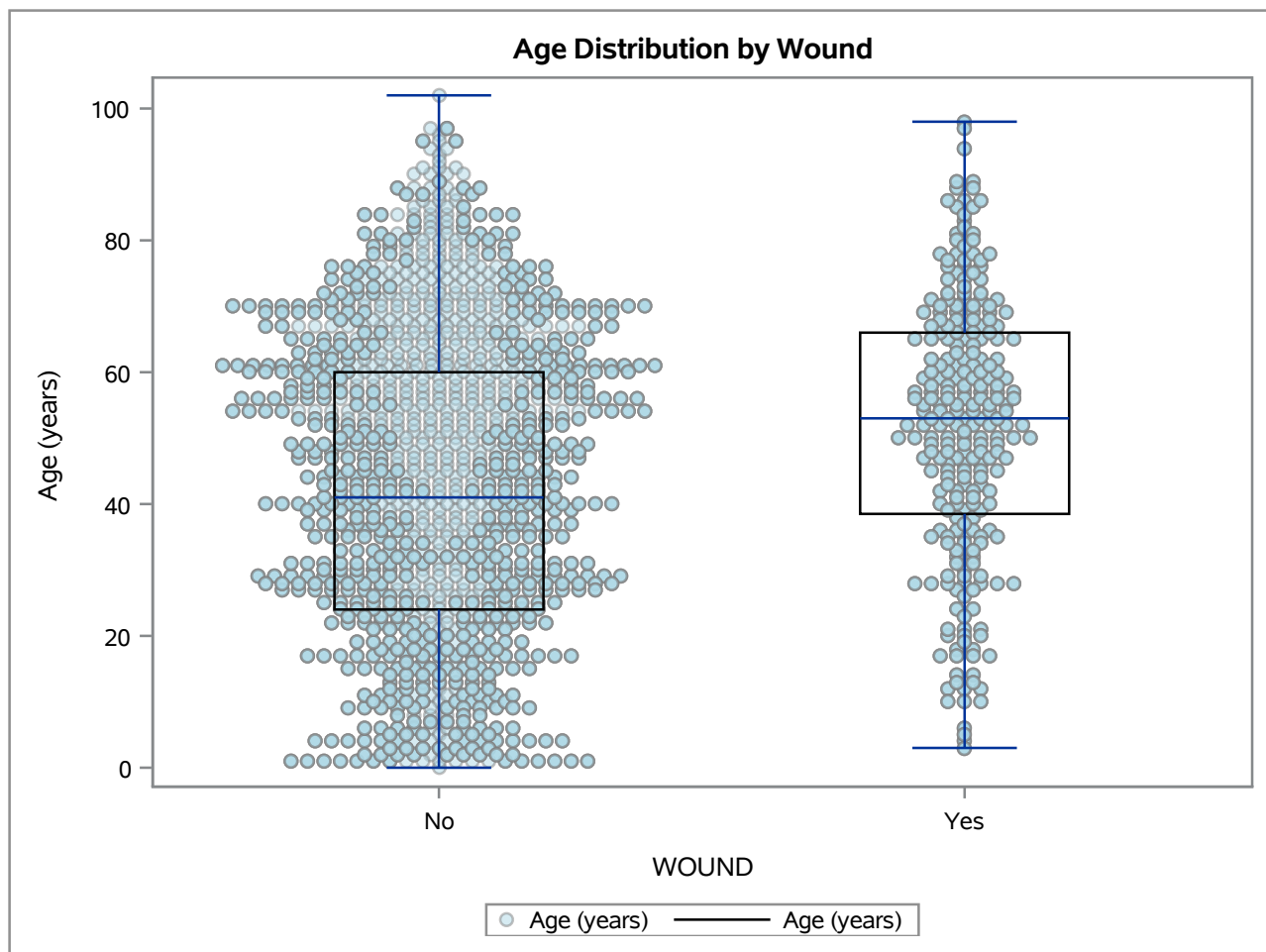


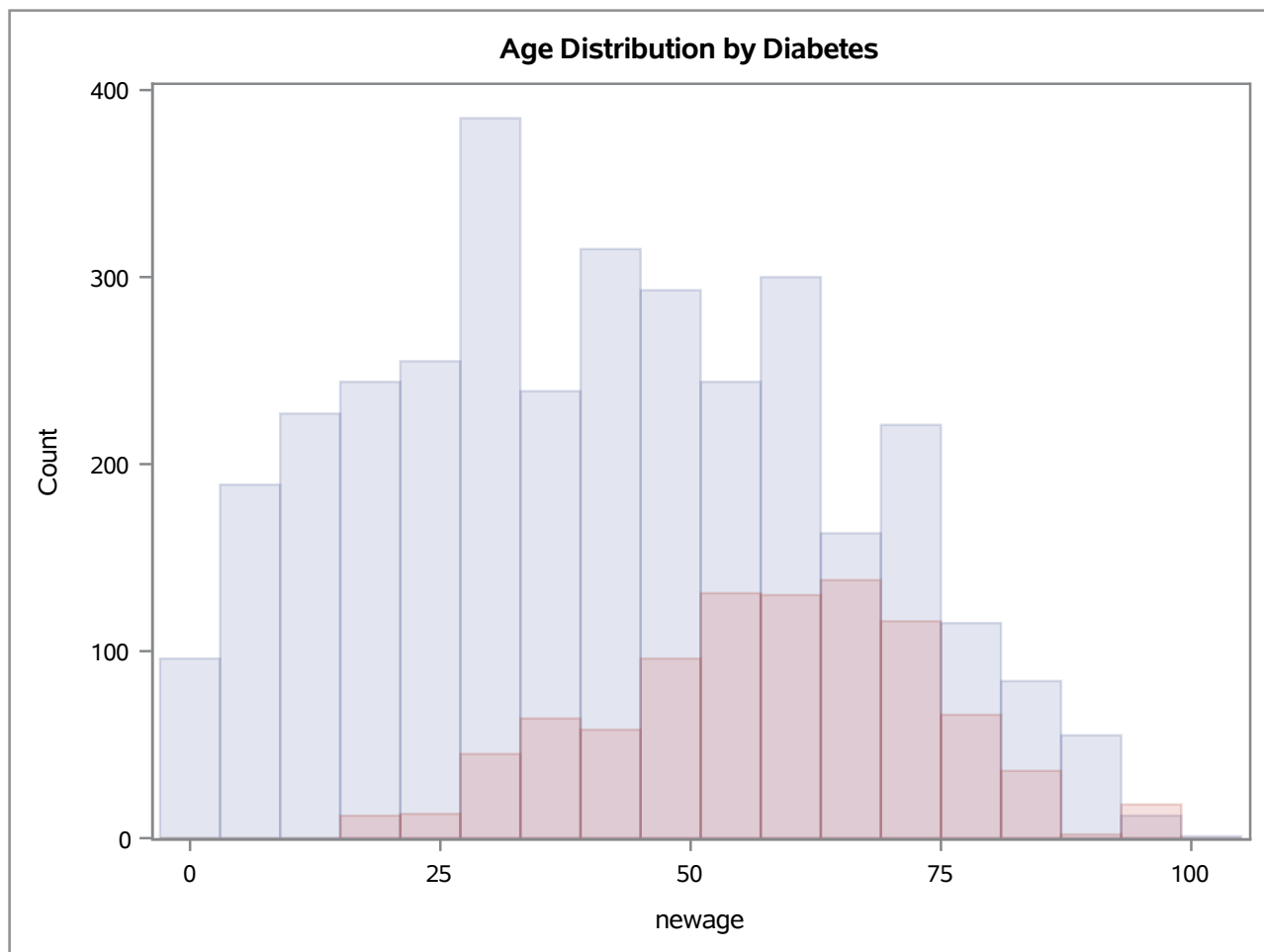


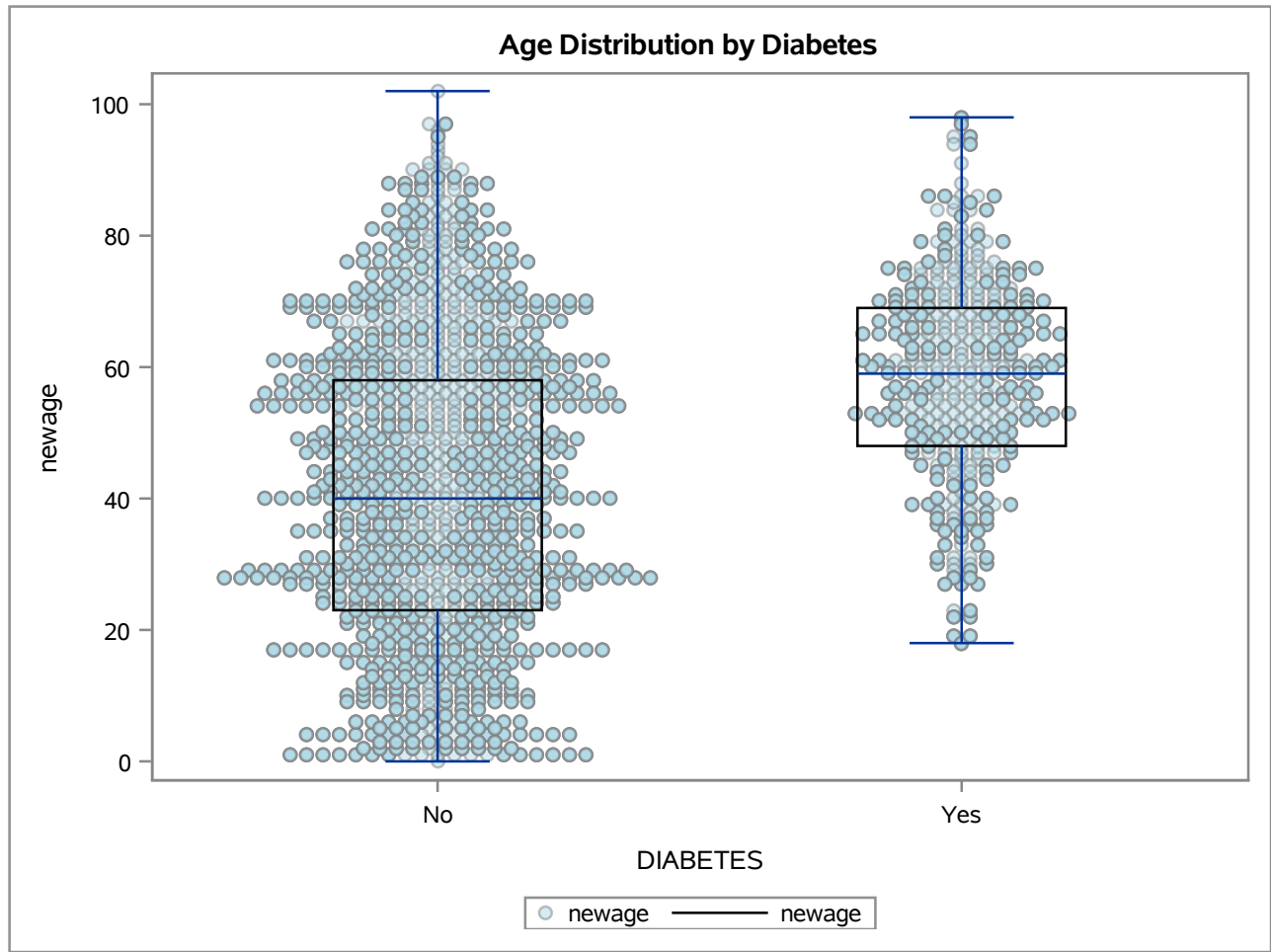


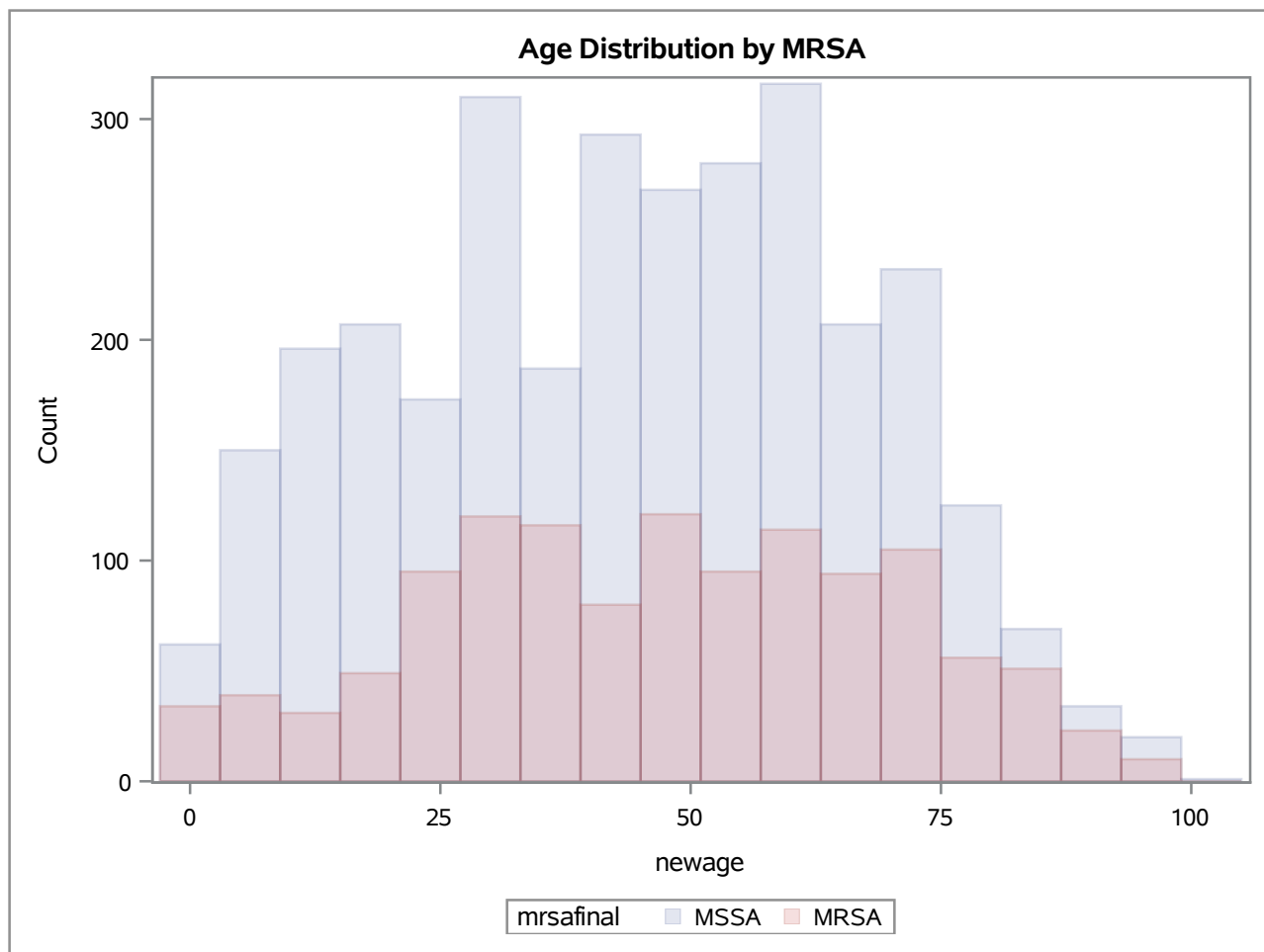


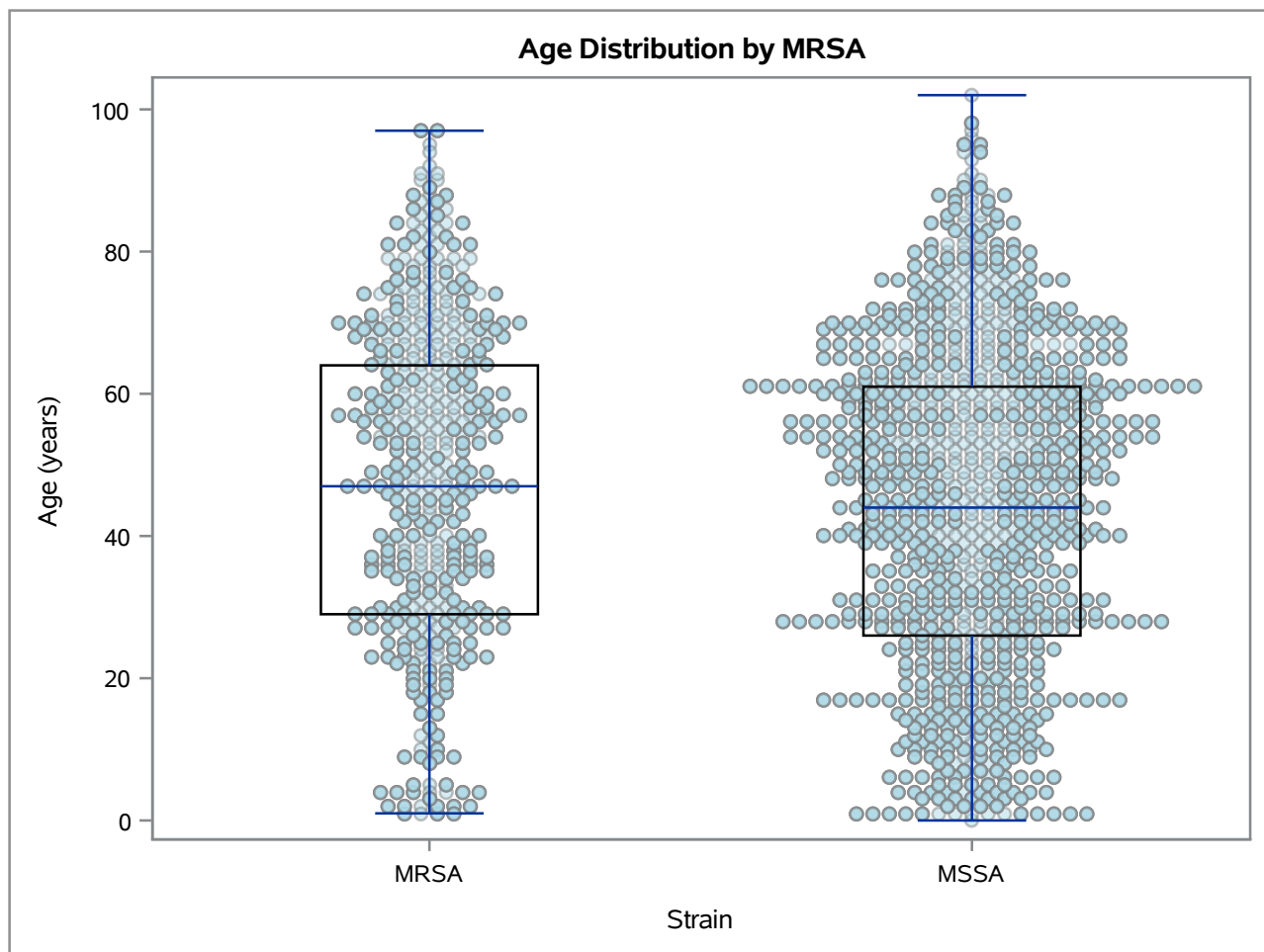


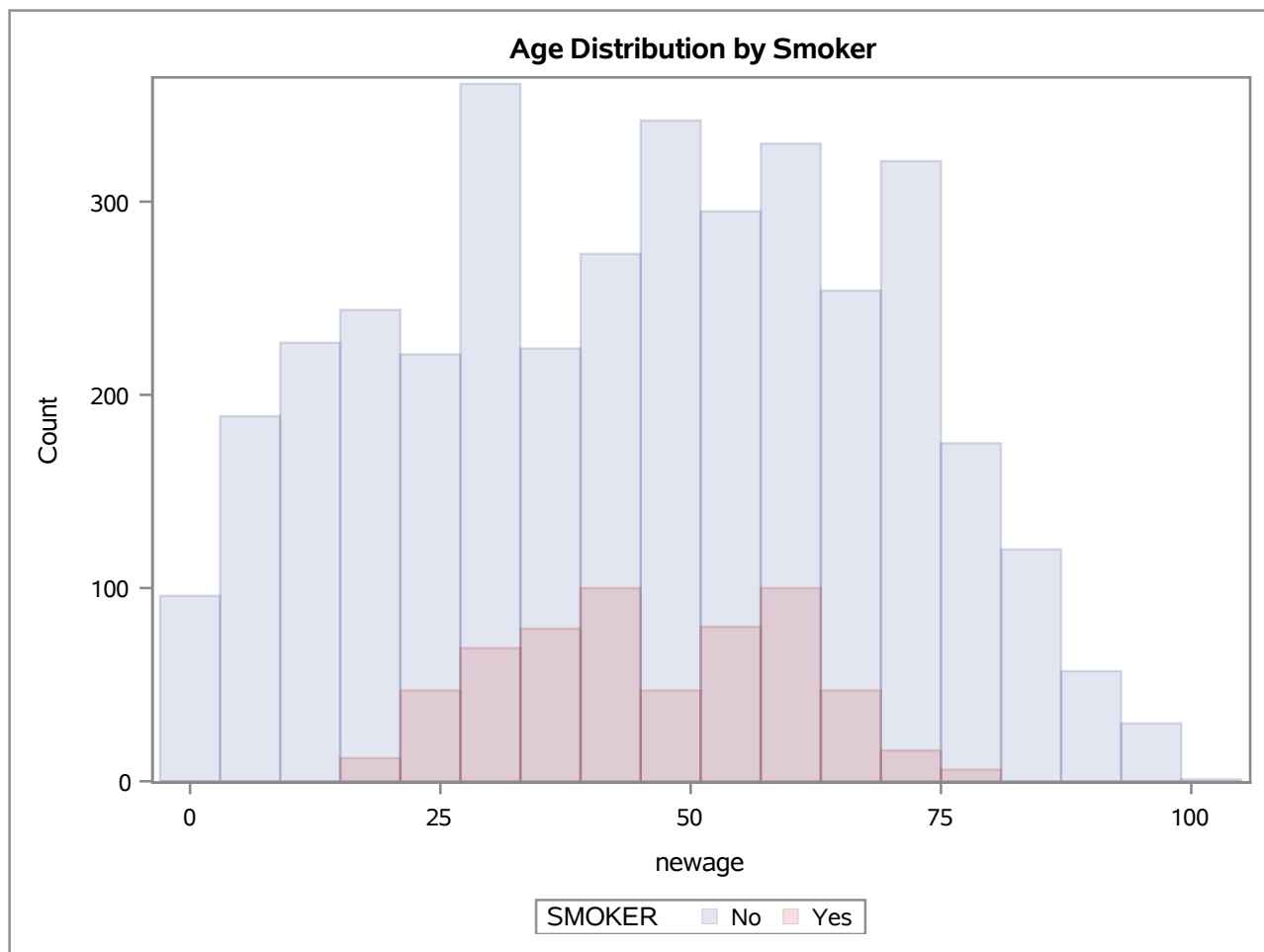


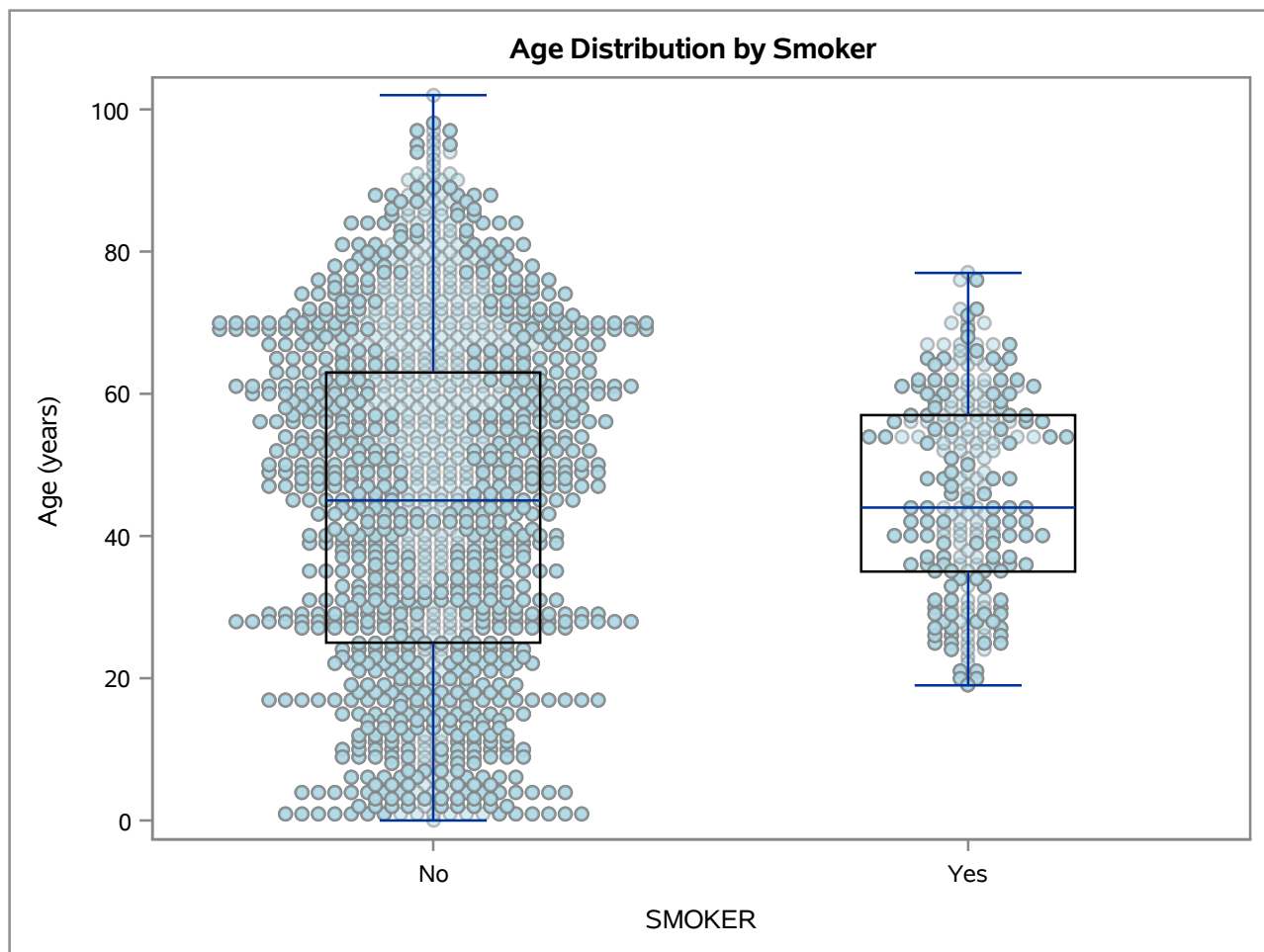


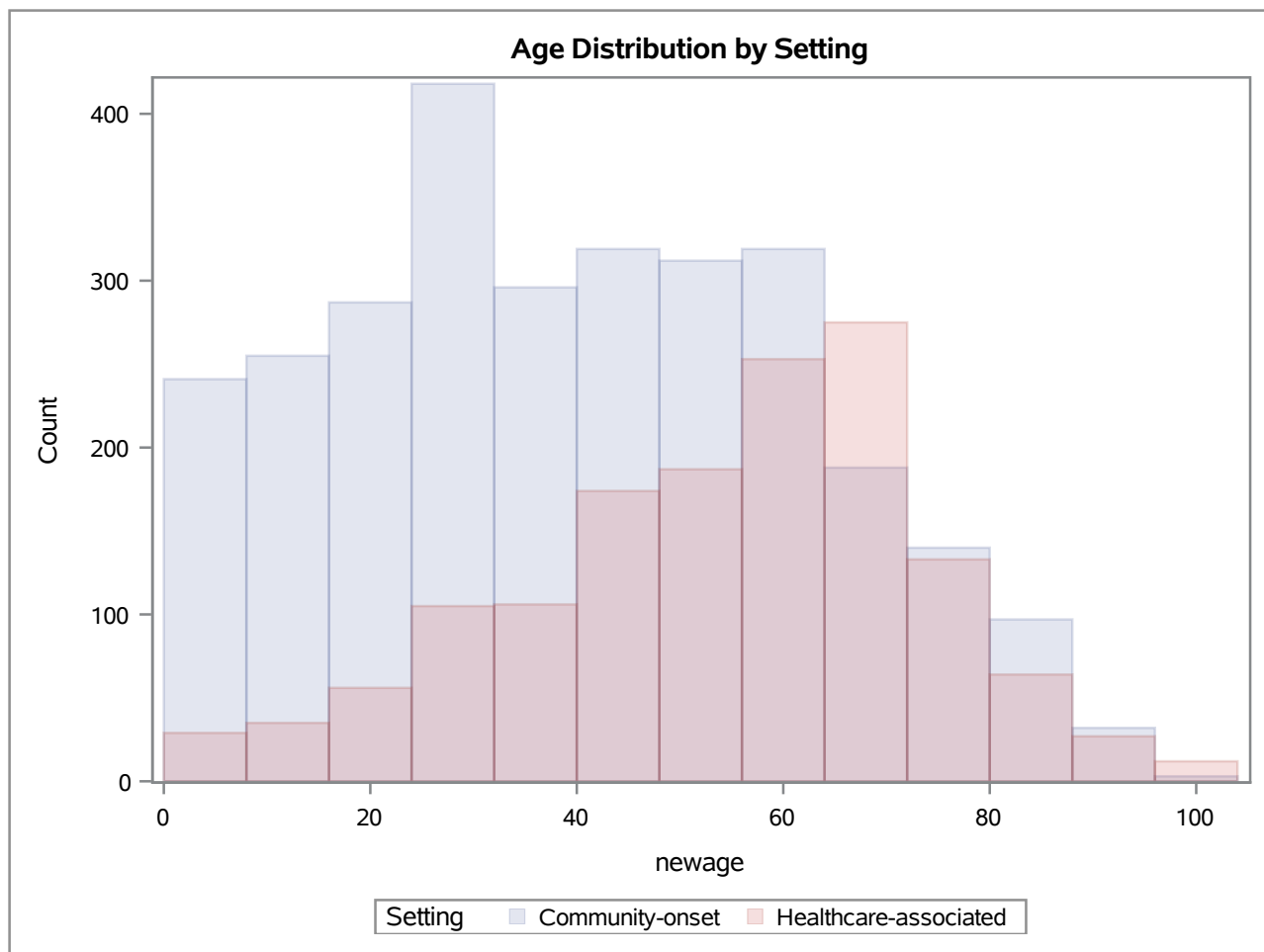


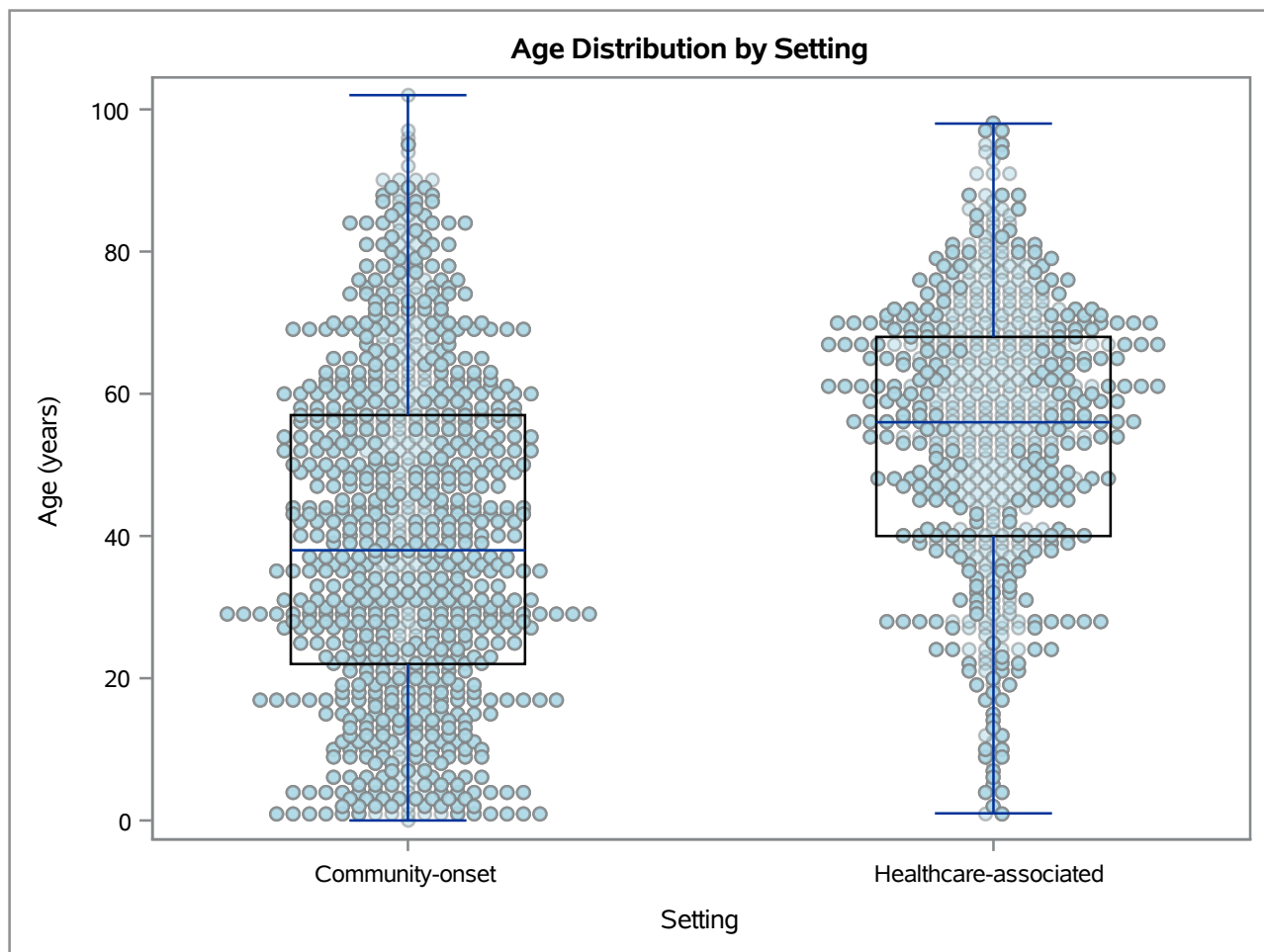












The MEANS Procedure

Analysis Variable : newage				
N	Mean	Median	Std Dev	Quartile Range
1447	44.2	45.0	39.3	34.0

The MEANS Procedure

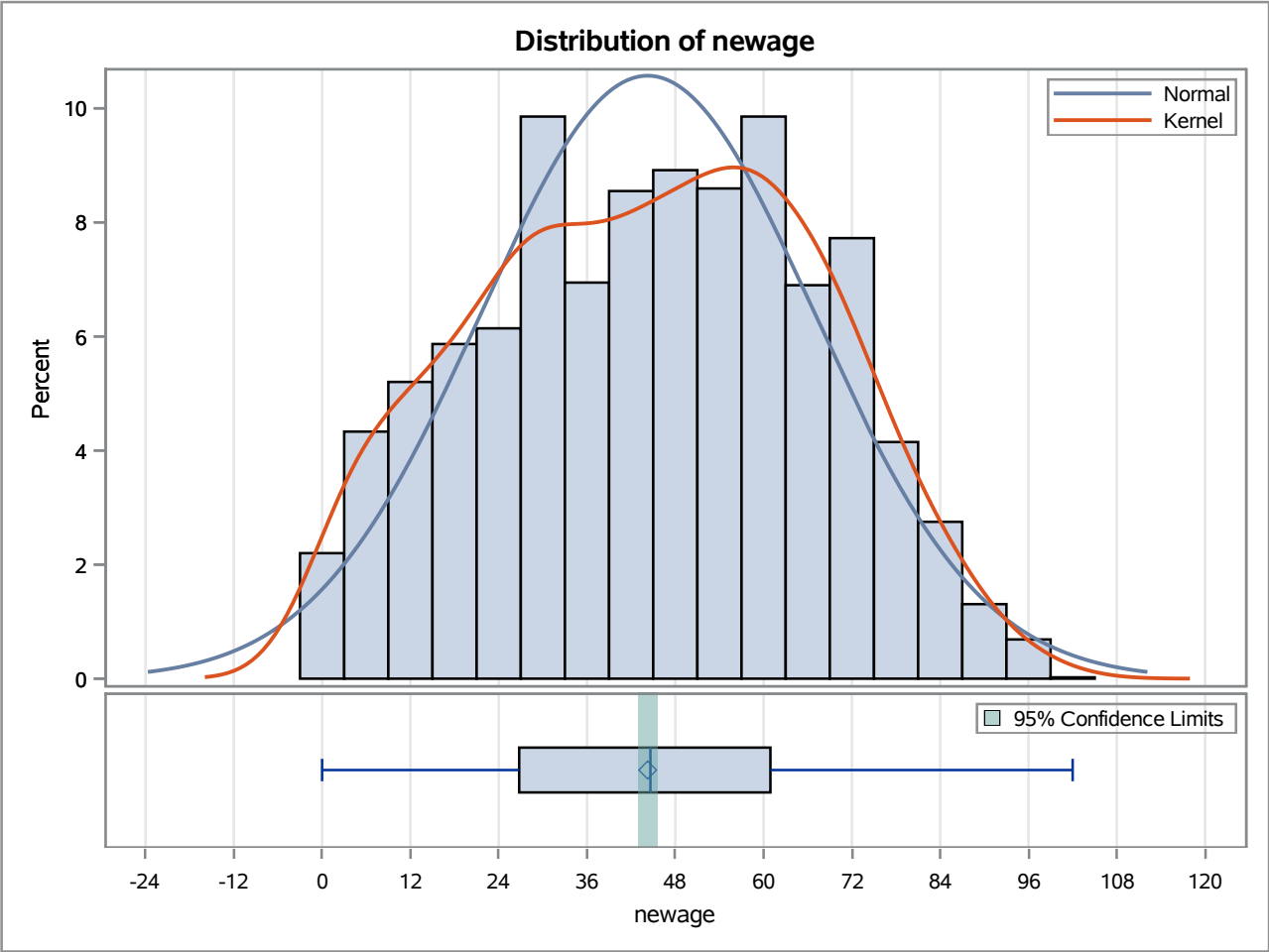
Analysis Variable : newage						
TXHOSP	N Obs	N	Mean	Median	Std Dev	Quartile Range
GA071	16	16	5.9	4.0	10.9	9.0
GA015	15	15	7.9	7.0	8.7	11.0
GA027	18	18	9.3	9.0	10.1	9.0
GA066	1	1	24.0	24.0	.	0.0
GA029	1	1	28.0	28.0	.	0.0
GA040	59	59	34.8	30.0	44.8	31.0
GA030	3	3	38.0	31.0	58.3	57.0
GA048	2	2	24.4	18.0	28.6	0.0
GA008	13	13	36.9	38.0	24.2	9.0
GA308	2	2	40.0	40.0	1.4	2.0
GA003	10	10	48.2	41.0	44.4	12.0
GAMDO	447	447	42.0	43.0	47.3	41.0
GA013	6	6	41.2	35.0	26.2	30.0
GA018	14	14	43.7	35.0	44.2	57.5
GA069	2	2	48.0	48.0	31.1	44.0
GA010	68	68	46.9	48.0	27.1	28.0
GA020	57	57	46.6	44.0	35.6	36.0
GA011	219	219	44.5	47.0	30.9	29.0
GA059	43	43	48.4	47.0	31.5	30.0
GA032	35	35	51.9	53.0	26.1	32.0
GA021	64	64	52.2	55.0	31.5	25.0
GA004	121	121	52.8	52.0	26.8	30.0
GA006	3	3	49.6	57.0	25.2	20.0
GA070	24	24	57.2	57.5	32.7	37.0
GA046	10	10	58.4	57.0	21.5	17.0
GA009	23	23	47.4	44.0	30.4	39.0
GA024	81	81	52.7	56.0	27.6	28.0
GA050	1	1	60.0	60.0	.	0.0
GA034	25	25	56.8	56.0	19.5	19.5
GA026	47	47	57.9	59.0	32.0	33.0
GA016	1	1	62.0	62.0	.	0.0
GA002	11	11	62.8	69.0	20.9	25.0
GA065	2	2	73.0	73.0	1.4	2.0
OSODC	1	1	73.0	73.0	.	0.0
GA056	2	2	89.0	89.0	2.8	4.0

The SURVEYMEANS Procedure

Data Summary	
Number of Observations	1447
Sum of Weights	4363

Statistics					
Variable	N	Mean	Std Error of Mean	95% CL for Mean	
newage	1447	44.241577	0.655820	42.9551162	45.5280376

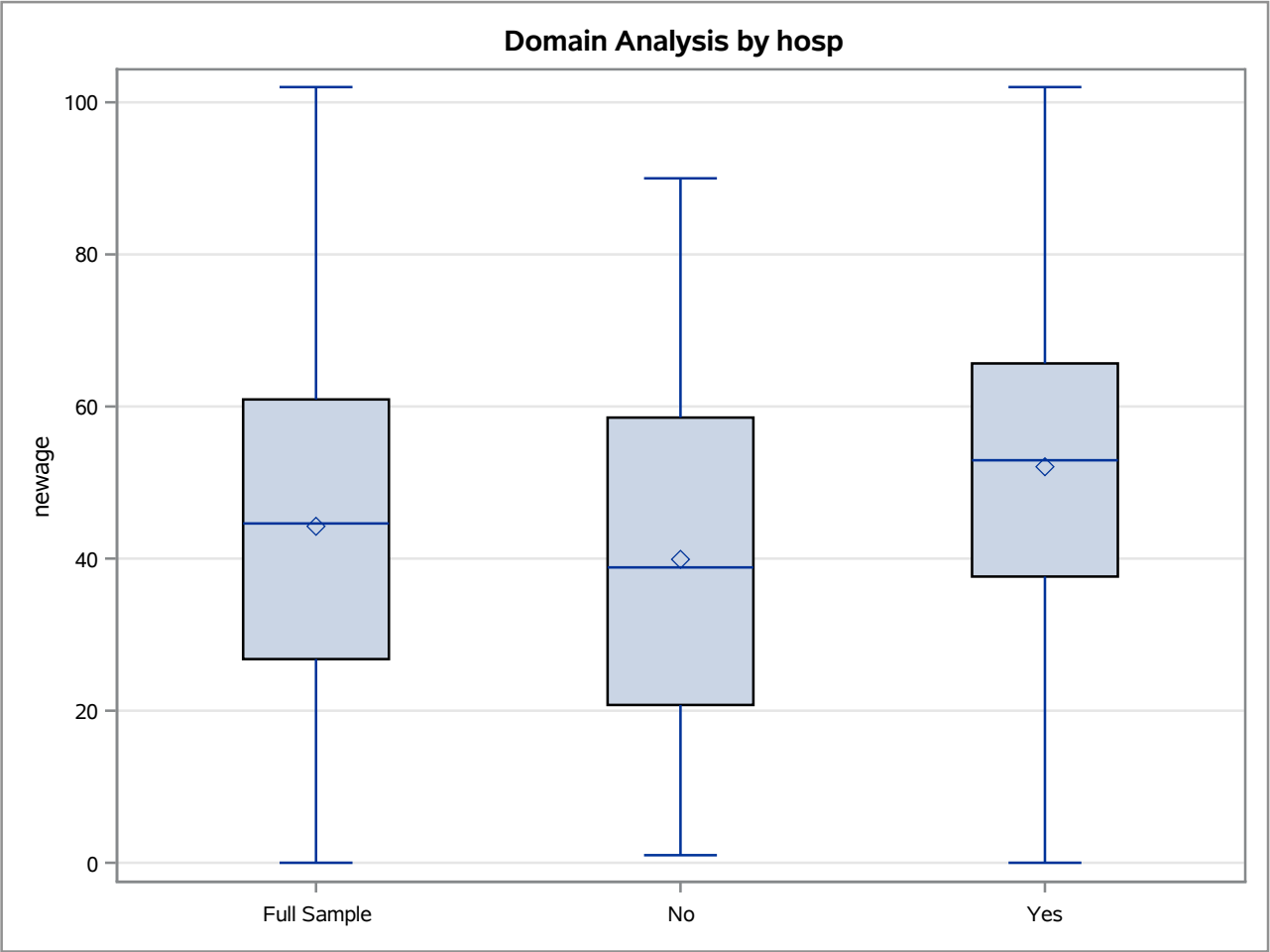
The SURVEYMEANS Procedure



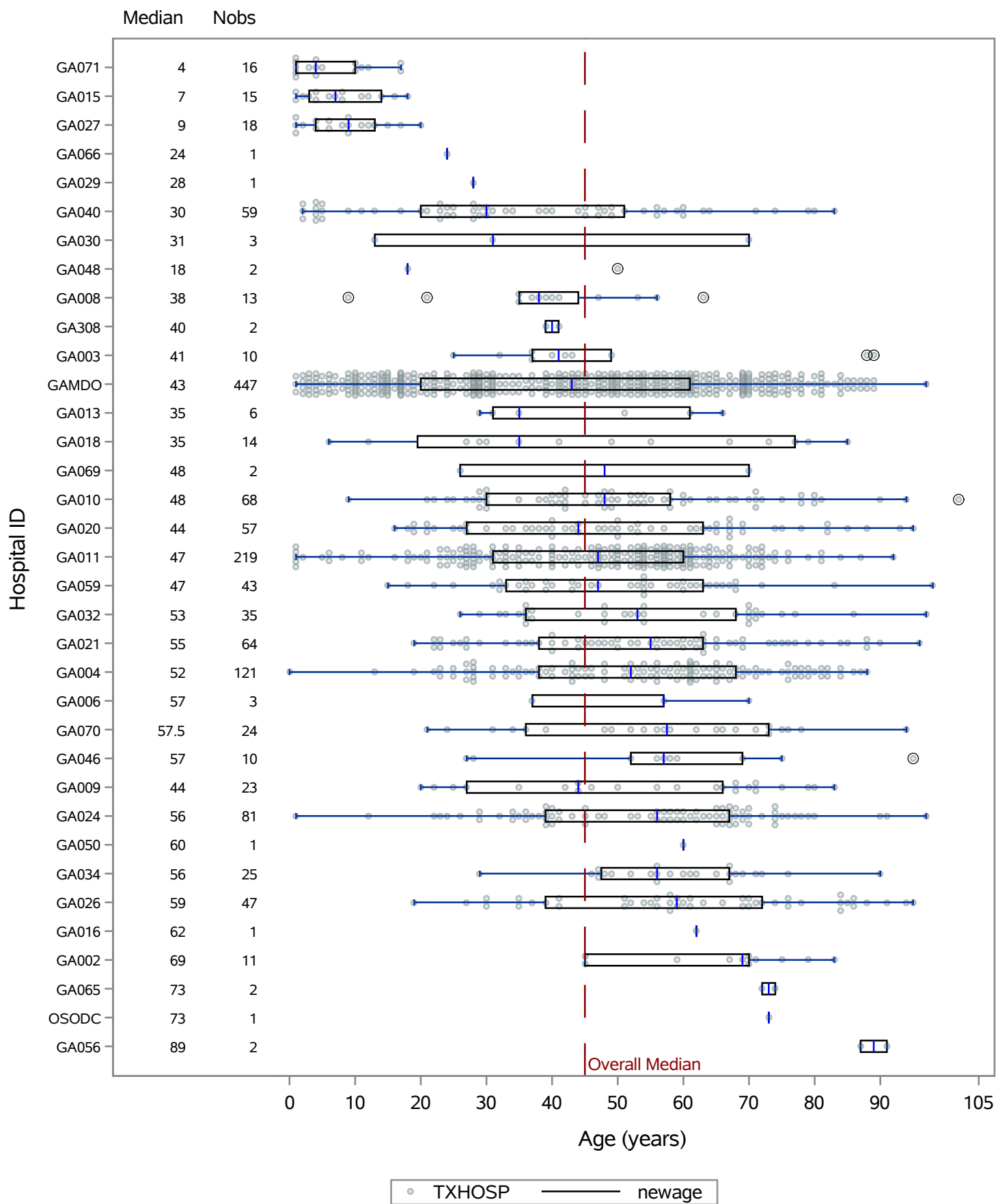
The SURVEYMEANS Procedure

Statistics for hosp Domains						
hosp	Variable	N	Mean	Std Error of Mean	95% CL for Mean	
No	newage	735	39.901353	0.860364	38.2136588	41.5890478
Yes	newage	712	52.079100	0.884959	50.3431594	53.8150399

The SURVEYMEANS Procedure



Median Age across Hospitals



The TTEST Procedure

Variable: newage (Age (years))

Weight: WEIGHT

hosp	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
No		735	39.9014	44.8881	0.8471	1.0000	90.0000
Yes		712	52.0791	29.2687	0.7422	0	102.0
Diff (1-2)	Pooled		-12.1777	38.0134	1.2016		
Diff (1-2)	Satterthwaite		-12.1777		1.1263		

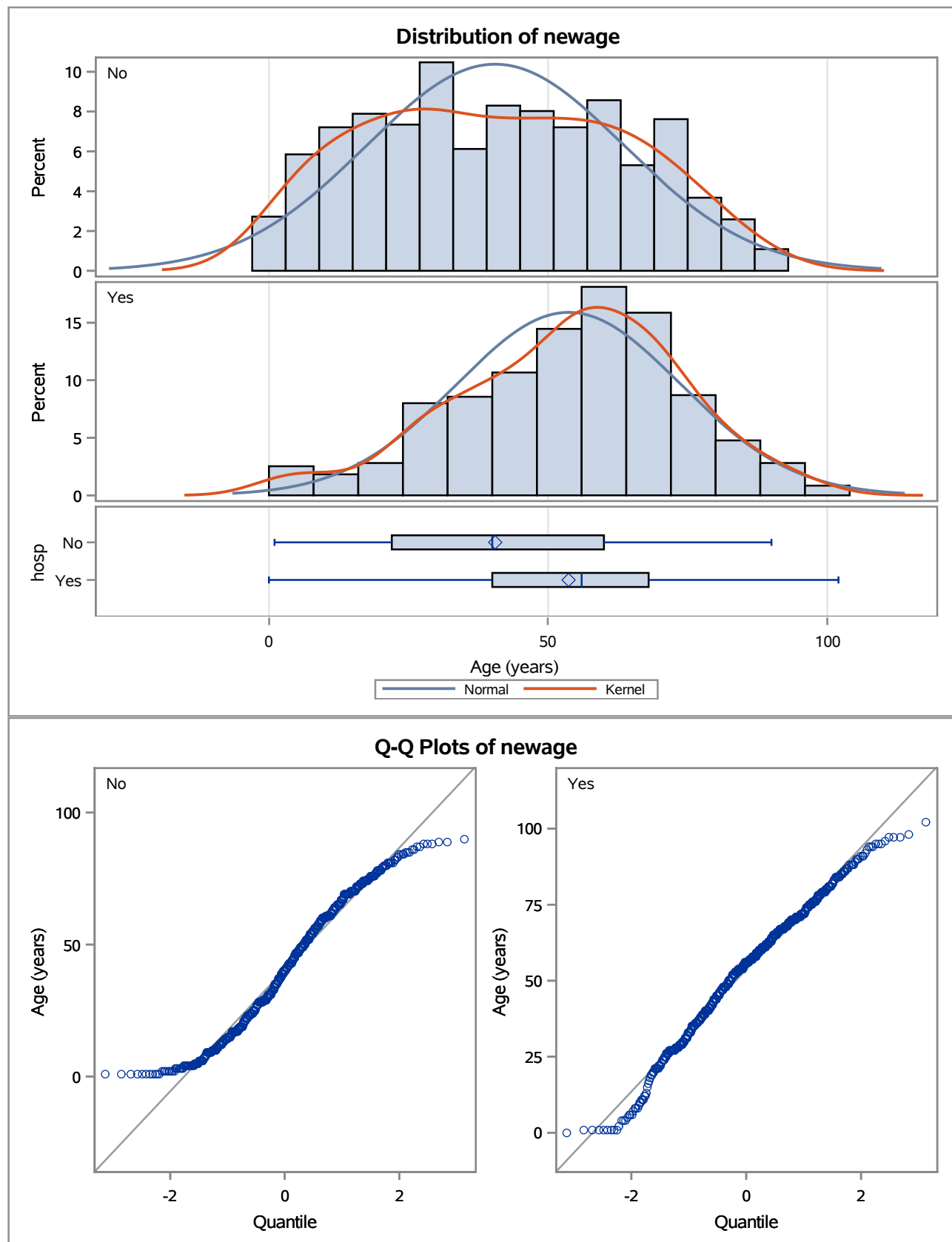
hosp	Method	Mean	95% CL Mean		Std Dev	95% CL Std Dev	
No		39.9014	38.2383	41.5644	44.8881	42.7048	47.3085
Yes		52.0791	50.6219	53.5363	29.2687	27.8234	30.8735
Diff (1-2)	Pooled	-12.1777	-14.5348	-9.8207	38.0134	36.6767	39.4519
Diff (1-2)	Satterthwaite	-12.1777	-14.3871	-9.9684			

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	-10.13	<.0001
Satterthwaite	Unequal	1426	-10.81	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	734	711	2.35	<.0001

The TTEST Procedure

Variable: newage (Age (years))



The SURVEYFREQ Procedure

Data Summary	
Number of Observations	1447
Sum of Weights	4363

Table of SEX by hosp				
SEX	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
Female	No	370	1450	65.72655
	Yes	311	647.00000	41.26600
	Total	681	2097	68.74069
Male	No	365	1358	63.70503
	Yes	401	908.00000	48.66068
	Total	766	2266	68.70742
Total	No	735	2808	75.19838
	Yes	712	1555	57.08056
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	13.4262
Design Correction	1.1336
Rao-Scott Chi-Square	11.8439
DF	1
Pr > ChiSq	0.0006
F Value	11.8439
Num DF	1
Den DF	1446
Pr > F	0.0006
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	1.4985	1.1885	1.8893
Column 1 Relative Risk	1.1538	1.0629	1.2525
Column 2 Relative Risk	0.7700	0.6622	0.8953
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of mrsafinal by hosp				
mrsafinal	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
MRSA	No	161	602.00000	46.01099
	Yes	298	631.00000	41.09750
	Total	459	1233	57.27668
MSSA	No	574	2206	73.31162
	Yes	414	924.00000	48.74023
	Total	988	3130	70.22049
Total	No	735	2808	75.19838
	Yes	712	1555	57.08056
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	58.5605
Design Correction	1.1647
Rao-Scott Chi-Square	50.2804
DF	1
Pr > ChiSq	<.0001
F Value	50.2804
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	0.3996	0.3100	0.5150
Column 1 Relative Risk	0.6927	0.6172	0.7775
Column 2 Relative Risk	1.7336	1.5018	2.0010
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of kidney by hosp				
kidney	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	No	702	2700	75.21902
	Yes	532	1213	54.05718
	Total	1234	3913	63.64121
Yes	No	33	108.00000	20.00539
	Yes	180	342.00000	30.16284
	Total	213	450.00000	35.48134
Total	No	735	2808	75.19838
	Yes	712	1555	57.08056
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	113.5688
Design Correction	1.1889
Rao-Scott Chi-Square	95.5219
DF	1
Pr > ChiSq	<.0001
F Value	95.5219
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	7.0486	4.5941	10.8145
Column 1 Relative Risk	2.8750	2.1017	3.9328
Column 2 Relative Risk	0.4079	0.3577	0.4651
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of DIABETES by hosp				
DIABETES	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	No	651	2508	74.78567
	Yes	429	930.00000	48.35180
	Total	1080	3438	68.59107
Yes	No	84	300.00000	33.20488
	Yes	283	625.00000	41.52393
	Total	367	925.00000	50.67016
Total	No	735	2808	75.19838
	Yes	712	1555	57.08056
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	167.0981
Design Correction	1.1876
Rao-Scott Chi-Square	140.7029
DF	1
Pr > ChiSq	<.0001
F Value	140.7029
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	5.6183	4.1719	7.5660
Column 1 Relative Risk	2.2493	1.8751	2.6981
Column 2 Relative Risk	0.4003	0.3508	0.4570
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of SMOKER by hosp				
SMOKER	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	No	667	2557	74.84909
	Yes	546	1203	53.22418
	Total	1213	3760	64.65760
Yes	No	68	251.00000	30.66122
	Yes	166	352.00000	31.79734
	Total	234	603.00000	42.76657
Total	No	735	2808	75.19838
	Yes	712	1555	57.08056
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	49.9945
Design Correction	1.1826
Rao-Scott Chi-Square	42.2763
DF	1
Pr > ChiSq	<.0001
F Value	42.2763
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	2.9808	2.1385	4.1549
Column 1 Relative Risk	1.6338	1.3596	1.9631
Column 2 Relative Risk	0.5481	0.4698	0.6395
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of BSI by hosp				
BSI	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	No	713	2783	75.59388
	Yes	334	1123	58.39357
	Total	1047	3906	69.29320
Yes	No	22	25.00000	6.04924
	Yes	378	432.00000	22.79004
	Total	400	457.00000	23.26030
Total	No	735	2808	75.19838
	Yes	712	1555	57.08056
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	266.3478
Design Correction	0.6271
Rao-Scott Chi-Square	424.7514
DF	1
Pr > ChiSq	<.0001
F Value	424.7514
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	42.8230	25.7204	71.2980
Column 1 Relative Risk	13.0244	8.1727	20.7562
Column 2 Relative Risk	0.3041	0.2750	0.3364
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of WOUND by hosp				
WOUND	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	No	591	2232	73.19042
	Yes	596	1091	47.43384
	Total	1187	3323	65.10562
Yes	No	144	576.00000	45.56478
	Yes	116	464.00000	41.33271
	Total	260	1040	58.43700
Total	No	735	2808	75.19838
	Yes	712	1555	57.08056
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	15.5832
Design Correction	1.2392
Rao-Scott Chi-Square	12.5752
DF	1
Pr > ChiSq	0.0004
F Value	12.5752
Num DF	1
Den DF	1446
Pr > F	0.0004
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	1.6480	1.2494	2.1738
Column 1 Relative Risk	1.2128	1.0786	1.3635
Column 2 Relative Risk	0.7359	0.6264	0.8645
Sample Size = 1447			

The SURVEYFREQ Procedure

Data Summary	
Number of Observations	1447
Sum of Weights	4363

Table of SEX by co				
SEX	co	Frequency	Weighted Frequency	Std Err of Wgt Freq
Female	Community-onset	404	1412	63.78844
	Healthcare-associated	277	685.00000	44.65539
	Total	681	2097	68.74069
Male	Community-onset	442	1495	64.53903
	Healthcare-associated	324	771.00000	46.36460
	Total	766	2266	68.70742
Total	Community-onset	846	2907	72.90100
	Healthcare-associated	601	1456	58.42348
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	0.3001
Design Correction	1.1655
Rao-Scott Chi-Square	0.2575
DF	1
Pr > ChiSq	0.6118
F Value	0.2575
Num DF	1
Den DF	1446
Pr > F	0.6119
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	1.0631	0.8392	1.3467
Column 1 Relative Risk	1.0206	0.9433	1.1043
Column 2 Relative Risk	0.9601	0.8200	1.1241
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of mrsafinal by co				
mrsafinal	co	Frequency	Weighted Frequency	Std Err of Wgt Freq
MRSA	Community-onset	215	701.00000	48.03118
	Healthcare-associated	244	532.00000	38.59321
	Total	459	1233	57.27668
MSSA	Community-onset	631	2206	71.73866
	Healthcare-associated	357	924.00000	51.02713
	Total	988	3130	70.22049
Total	Community-onset	846	2907	72.90100
	Healthcare-associated	601	1456	58.42348
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	23.9513
Design Correction	1.1572
Rao-Scott Chi-Square	20.6974
DF	1
Pr > ChiSq	<.0001
F Value	20.6974
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	0.5519	0.4279	0.7119
Column 1 Relative Risk	0.8067	0.7300	0.8913
Column 2 Relative Risk	1.4616	1.2494	1.7098
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of kidney by co				
kidney	co	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	Community-onset	810	2787	73.01213
	Healthcare-associated	424	1126	55.31640
	Total	1234	3913	63.64121
Yes	Community-onset	36	120.00000	21.12716
	Healthcare-associated	177	330.00000	29.45064
	Total	213	450.00000	35.48134
Total	Community-onset	846	2907	72.90100
	Healthcare-associated	601	1456	58.42348
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	112.0880
Design Correction	1.2036
Rao-Scott Chi-Square	93.1264
DF	1
Pr > ChiSq	<.0001
F Value	93.1264
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	6.8066	4.4932	10.3111
Column 1 Relative Risk	2.6709	1.9957	3.5745
Column 2 Relative Risk	0.3924	0.3409	0.4517
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of DIABETES by co				
DIABETES	co	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	Community-onset	721	2506	72.86721
	Healthcare-associated	359	932.00000	51.23984
	Total	1080	3438	68.59107
Yes	Community-onset	125	401.00000	37.34751
	Healthcare-associated	242	524.00000	38.25253
	Total	367	925.00000	50.67016
Total	Community-onset	846	2907	72.90100
	Healthcare-associated	601	1456	58.42348
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	90.4434
Design Correction	1.1761
Rao-Scott Chi-Square	76.8980
DF	1
Pr > ChiSq	<.0001
F Value	76.8980
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	3.5136	2.6507	4.6573
Column 1 Relative Risk	1.6814	1.4572	1.9401
Column 2 Relative Risk	0.4785	0.4128	0.5548
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of SMOKER by co				
SMOKER	co	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	Community-onset	730	2548	73.05446
	Healthcare-associated	483	1212	55.81207
	Total	1213	3760	64.65760
Yes	Community-onset	116	359.00000	35.25324
	Healthcare-associated	118	244.00000	26.59595
	Total	234	603.00000	42.76657
Total	Community-onset	846	2907	72.90100
	Healthcare-associated	601	1456	58.42348
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	5.1179
Design Correction	1.1158
Rao-Scott Chi-Square	4.5869
DF	1
Pr > ChiSq	0.0322
F Value	4.5869
Num DF	1
Den DF	1446
Pr > F	0.0324
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	1.4289	1.0337	1.9750
Column 1 Relative Risk	1.1382	1.0024	1.2925
Column 2 Relative Risk	0.7966	0.6540	0.9702
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of BSI by co				
BSI	co	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	Community-onset	720	2757	75.20597
	Healthcare-associated	327	1149	59.38911
	Total	1047	3906	69.29320
Yes	Community-onset	126	150.00000	15.18585
	Healthcare-associated	274	307.00000	19.34230
	Total	400	457.00000	23.26030
Total	Community-onset	846	2907	72.90100
	Healthcare-associated	601	1456	58.42348
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	81.3364
Design Correction	0.6463
Rao-Scott Chi-Square	125.8420
DF	1
Pr > ChiSq	<.0001
F Value	125.8420
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	4.9109	3.7109	6.4990
Column 1 Relative Risk	2.1505	1.8154	2.5474
Column 2 Relative Risk	0.4379	0.3864	0.4963
Sample Size = 1447			

The SURVEYFREQ Procedure

Table of WOUND by co				
WOUND	co	Frequency	Weighted Frequency	Std Err of Wgt Freq
No	Community-onset	713	2375	71.61280
	Healthcare-associated	474	948.00000	47.16414
	Total	1187	3323	65.10562
Yes	Community-onset	133	532.00000	43.97434
	Healthcare-associated	127	508.00000	43.06899
	Total	260	1040	58.43700
Total	Community-onset	846	2907	72.90100
	Healthcare-associated	601	1456	58.42348
	Total	1447	4363	53.60645

Rao-Scott Likelihood Ratio Test	
Likelihood Ratio Chi-Square	47.0480
Design Correction	1.2326
Rao-Scott Chi-Square	38.1695
DF	1
Pr > ChiSq	<.0001
F Value	38.1695
Num DF	1
Den DF	1446
Pr > F	<.0001
Sample Size = 1447	

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Odds Ratio	2.3923	1.8106	3.1608
Column 1 Relative Risk	1.3972	1.2330	1.5833
Column 2 Relative Risk	0.5840	0.4988	0.6838
Sample Size = 1447			

The SURVEYMEANS Procedure

Data Summary	
Number of Observations	1447
Sum of Weights	4363

Statistics							
Variable	Label	N Miss	Mean	Std Error of Mean	Var of Mean	Lower 95% One-Sided CL for Mean	Upper 95% One-Sided CL for Mean
newage	Age (years)	0	44.241577	0.655820	0.430100	43.162157	45.320997

Quantiles							
Variable	Label	Percentile		Estimate	Std Error	95% Confidence Limits	
newage	Age (years)	50	Median	44.617188	1.105049	42.4495167	46.7848583

The FREQ Procedure

Frequency Row Pct Col Pct	Table 1 of mrsafinal by hosp			
	Controlling for co=Healthcare-associated			
	mrsafinal	hosp		
		Yes	No	Total
	MRSA	408 76.69 43.73	124 23.31 23.71	532
	MSSA	525 56.82 56.27	399 43.18 76.29	924
	Total	933	523	1456

Statistics for Table 1 of mrsafinal by hosp
Controlling for co=Healthcare-associated

Statistic	Value	ASE
Gamma	0.4287	0.0499
Kendall's Tau-b	0.1995	0.0245
Stuart's Tau-c	0.1843	0.0229
Somers' D C R	0.1987	0.0245
Somers' D R C	0.2002	0.0247
Pearson Correlation	0.1995	0.0245
Spearman Correlation	0.1995	0.0245
Lambda Asymmetric C R	0.0000	0.0000
Lambda Asymmetric R C	0.0000	0.0000
Lambda Symmetric	0.0000	0.0000
Uncertainty Coefficient C R	0.0315	0.0079
Uncertainty Coefficient R C	0.0314	0.0079
Uncertainty Coefficient Symmetric	0.0315	0.0079

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	2.5006	1.9681	3.1772
Relative Risk (Column 1)	1.3498	1.2545	1.4522
Relative Risk (Column 2)	0.5398	0.4549	0.6404

Sample Size = 1456

The FREQ Procedure

Frequency Row Pct Col Pct	Table 2 of mrsafinal by hosp			
	Controlling for co=Community-onset			
	mrsafinal	hosp		
		Yes	No	Total
	MRSA	223 31.81 35.85	478 68.19 20.92	701
	MSSA	399 18.09 64.15	1807 81.91 79.08	2206
	Total	622	2285	2907

Statistics for Table 2 of mrsafinal by hosp
Controlling for co=Community-onset

Statistic	Value	ASE
Gamma	0.3575	0.0428
Kendall's Tau-b	0.1432	0.0201
Stuart's Tau-c	0.1005	0.0144
Somers' D C R	0.1372	0.0194
Somers' D R C	0.1493	0.0210
Pearson Correlation	0.1432	0.0201
Spearman Correlation	0.1432	0.0201
Lambda Asymmetric C R	0.0000	0.0000
Lambda Asymmetric R C	0.0000	0.0000
Lambda Symmetric	0.0000	0.0000
Uncertainty Coefficient C R	0.0185	0.0051
Uncertainty Coefficient R C	0.0174	0.0048
Uncertainty Coefficient Symmetric	0.0180	0.0049

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	2.1128	1.7430	2.5611
Relative Risk (Column 1)	1.7588	1.5289	2.0234
Relative Risk (Column 2)	0.8324	0.7885	0.8788

Sample Size = 2907

The FREQ Procedure

Summary Statistics for mrsafinal by hosp
Controlling for co

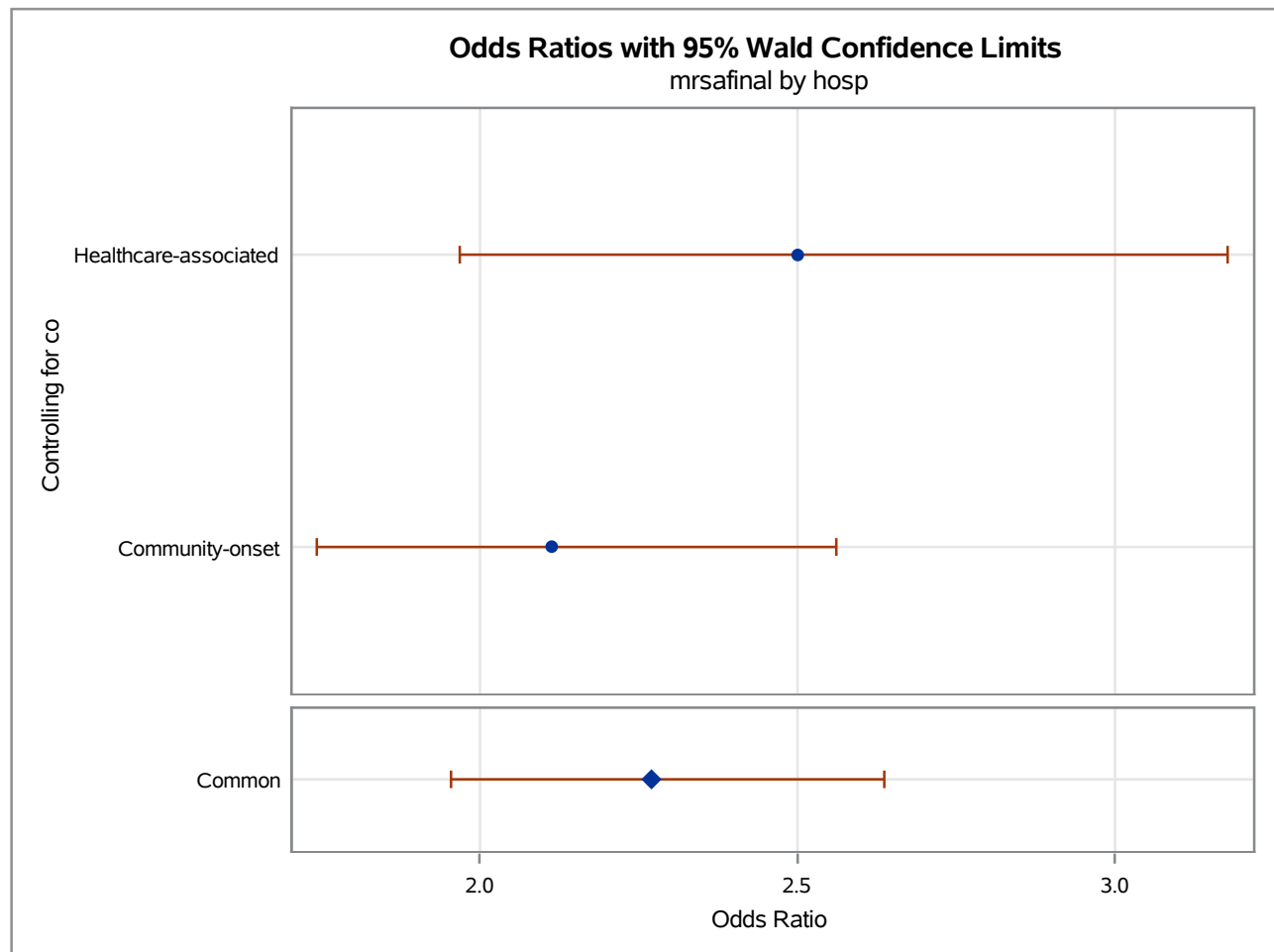
Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	117.3581	<.0001
2	Row Mean Scores Differ	1	117.3581	<.0001
3	General Association	1	117.3581	<.0001

Common Odds Ratio and Relative Risks				
Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	2.2700	1.9544	2.6366
	Logit	2.2572	1.9428	2.6225
Relative Risk (Column 1)	Mantel-Haenszel	1.4864	1.3874	1.5924
	Logit	1.4285	1.3388	1.5243
Relative Risk (Column 2)	Mantel-Haenszel	0.7591	0.7179	0.8027
	Logit	0.8001	0.7598	0.8426

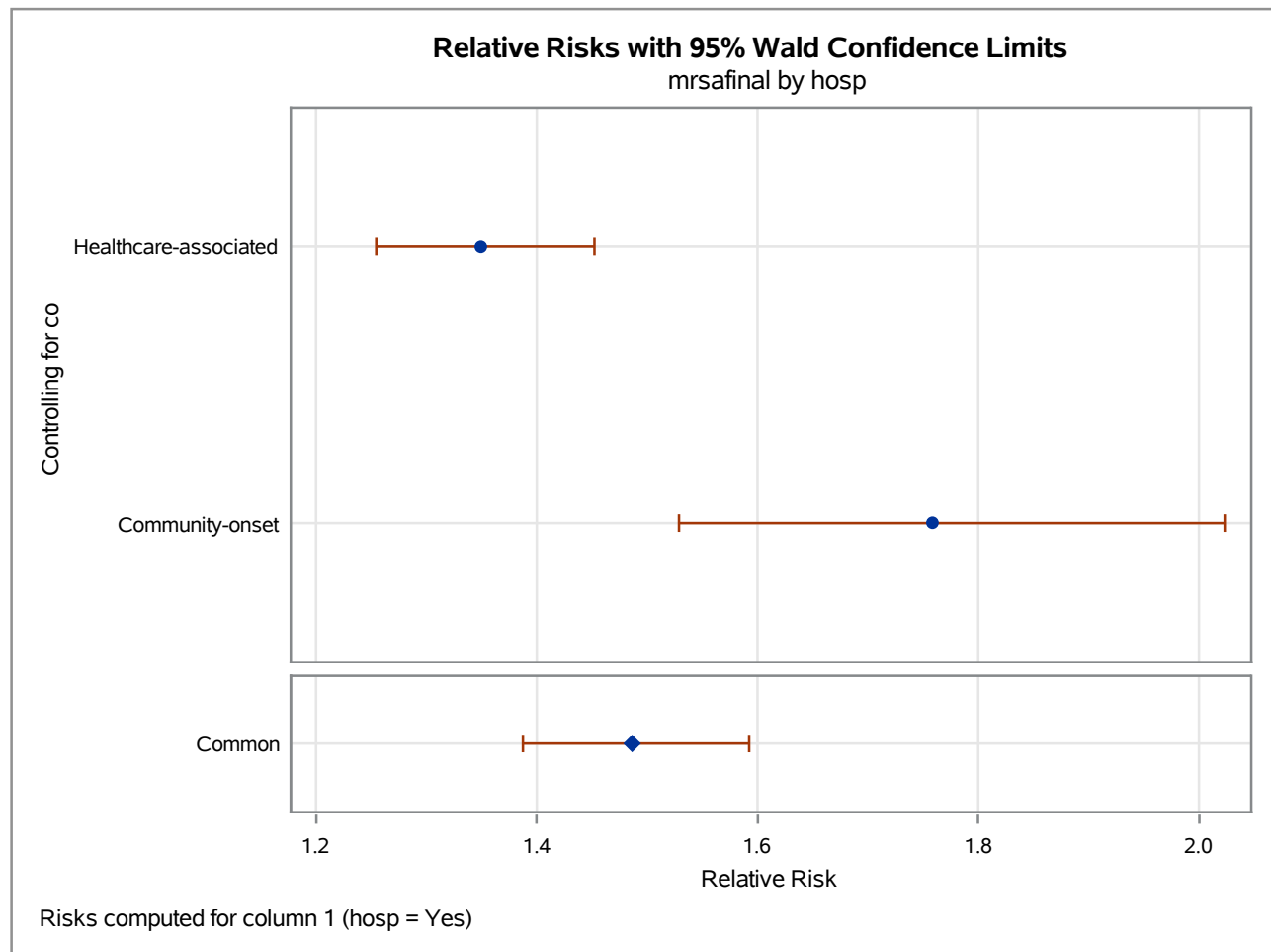
Breslow-Day Test for Homogeneity of Odds Ratios	
Chi-Square	1.1621
DF	1
Pr > ChiSq	0.2810

Total Sample Size = 4363

The FREQ Procedure



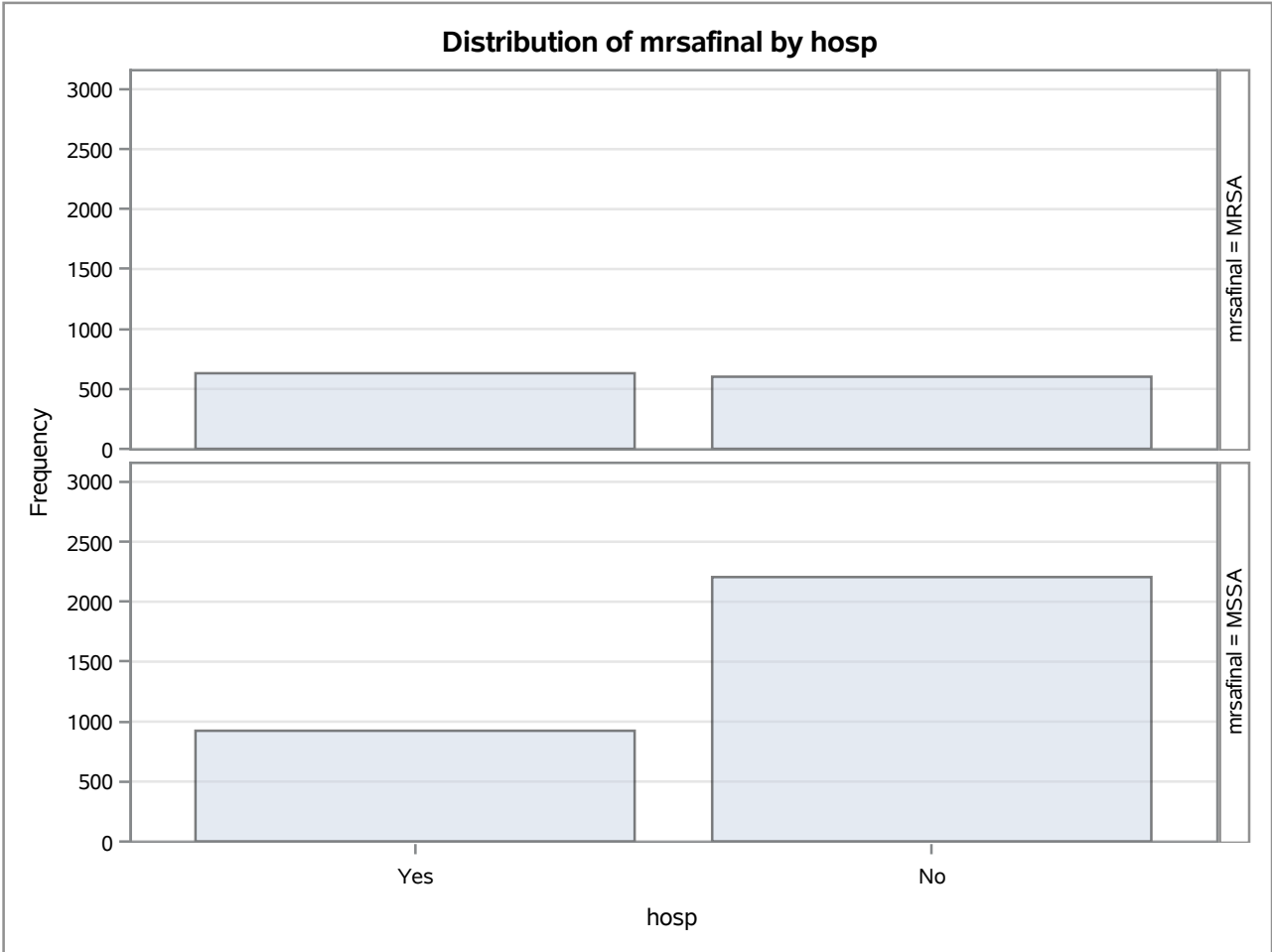
The FREQ Procedure



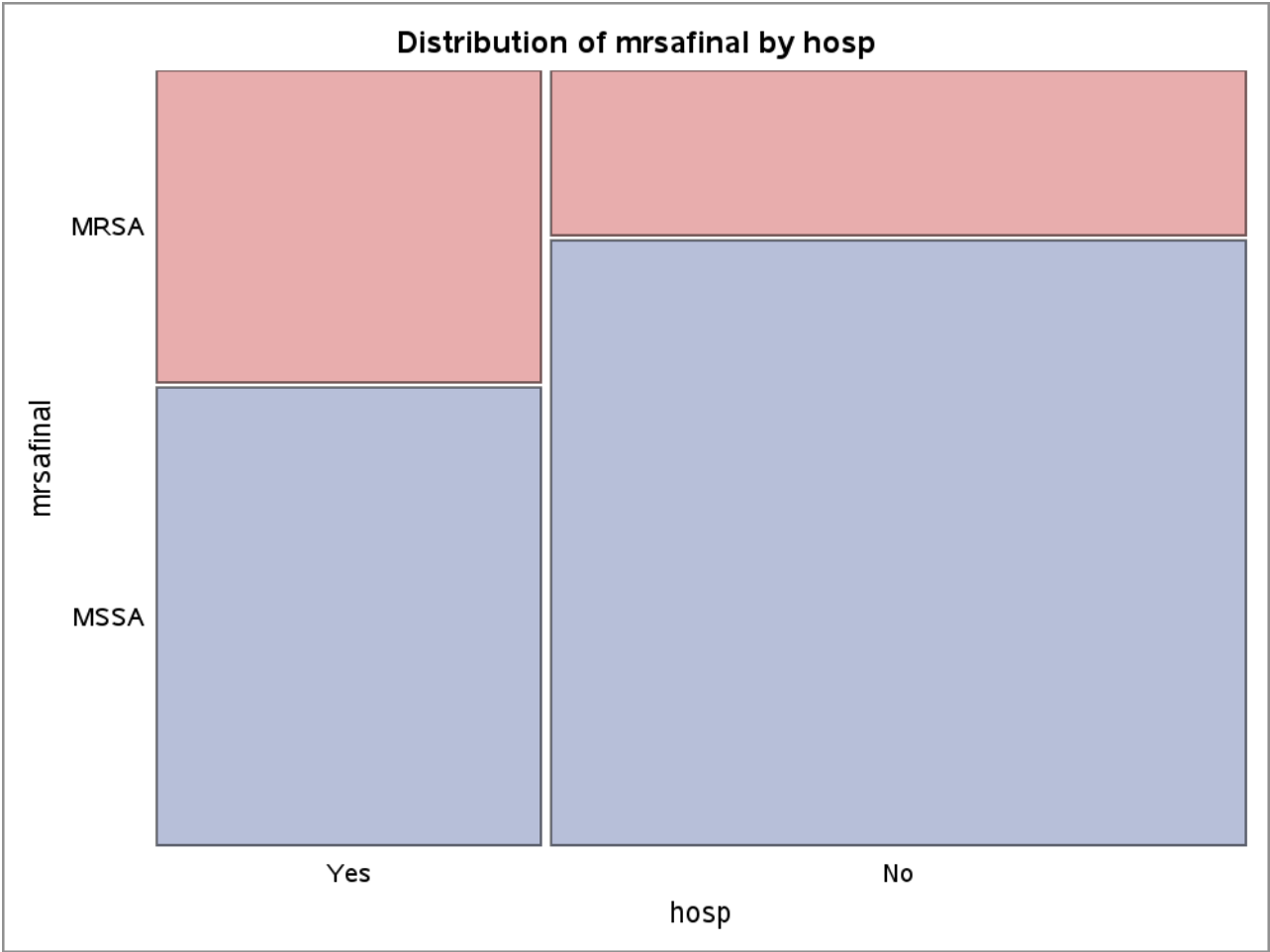
The FREQ Procedure

Frequency
Row Pct

Table of mrsafinal by hosp			
mrsafinal	hosp		
	Yes	No	Total
MRSA	631 51.18	602 48.82	1233
MSSA	924 29.52	2206 70.48	3130
Total	1555	2808	4363



The FREQ Procedure



The FREQ Procedure

Statistics for Table of mrsafinal by hosp

Statistic	Value	ASE
Gamma	0.4290	0.0282
Kendall's Tau-b	0.2036	0.0154
Stuart's Tau-c	0.1756	0.0135
Somers' D C R	0.2166	0.0164
Somers' D R C	0.1914	0.0147
Pearson Correlation	0.2036	0.0154
Spearman Correlation	0.2036	0.0154
Lambda Asymmetric C R	0.0186	0.0224
Lambda Asymmetric R C	0.0000	0.0000
Lambda Symmetric	0.0104	0.0125
Uncertainty Coefficient C R	0.0311	0.0047
Uncertainty Coefficient R C	0.0340	0.0051
Uncertainty Coefficient Symmetric	0.0325	0.0049

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	2.5025	2.1853	2.8657
Relative Risk (Column 1)	1.7336	1.6054	1.8720
Relative Risk (Column 2)	0.6927	0.6514	0.7367

Sample Size = 4363