

Weighted Summary statistics: Overall Age

The MEANS Procedure

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

Summary statistics: Age by Hospital ID

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

Summary statistics: Age by Hospital ID

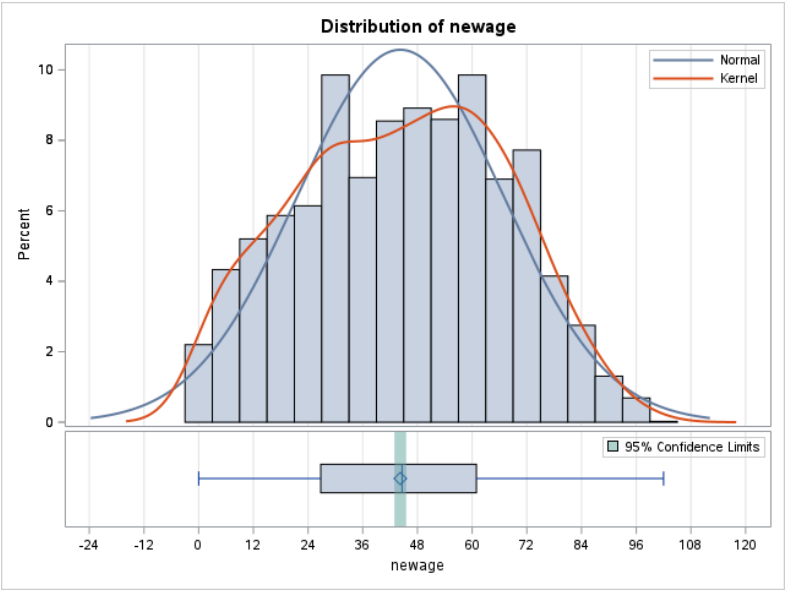
The SURVEYMEANS Procedure

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

Summary statistics: Age by Hospital ID

The SURVEYMEANS Procedure



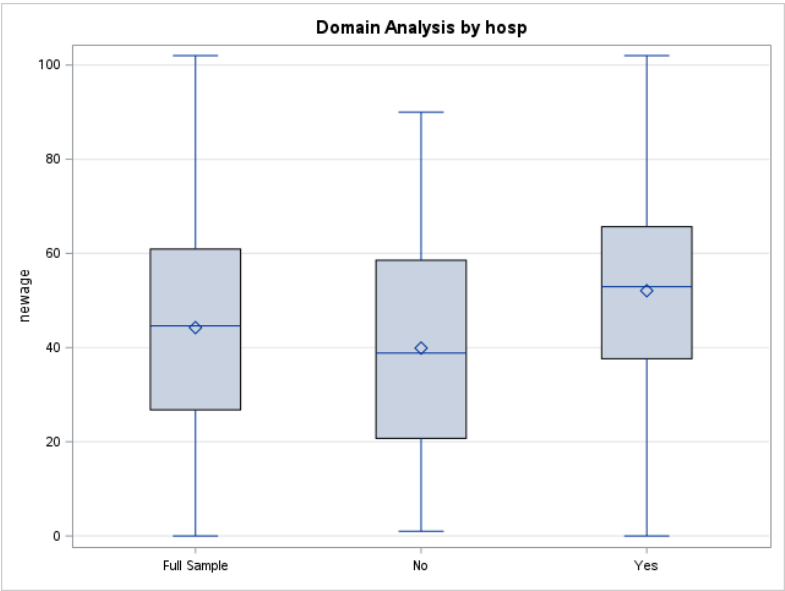
Summary statistics: Age by Hospital ID

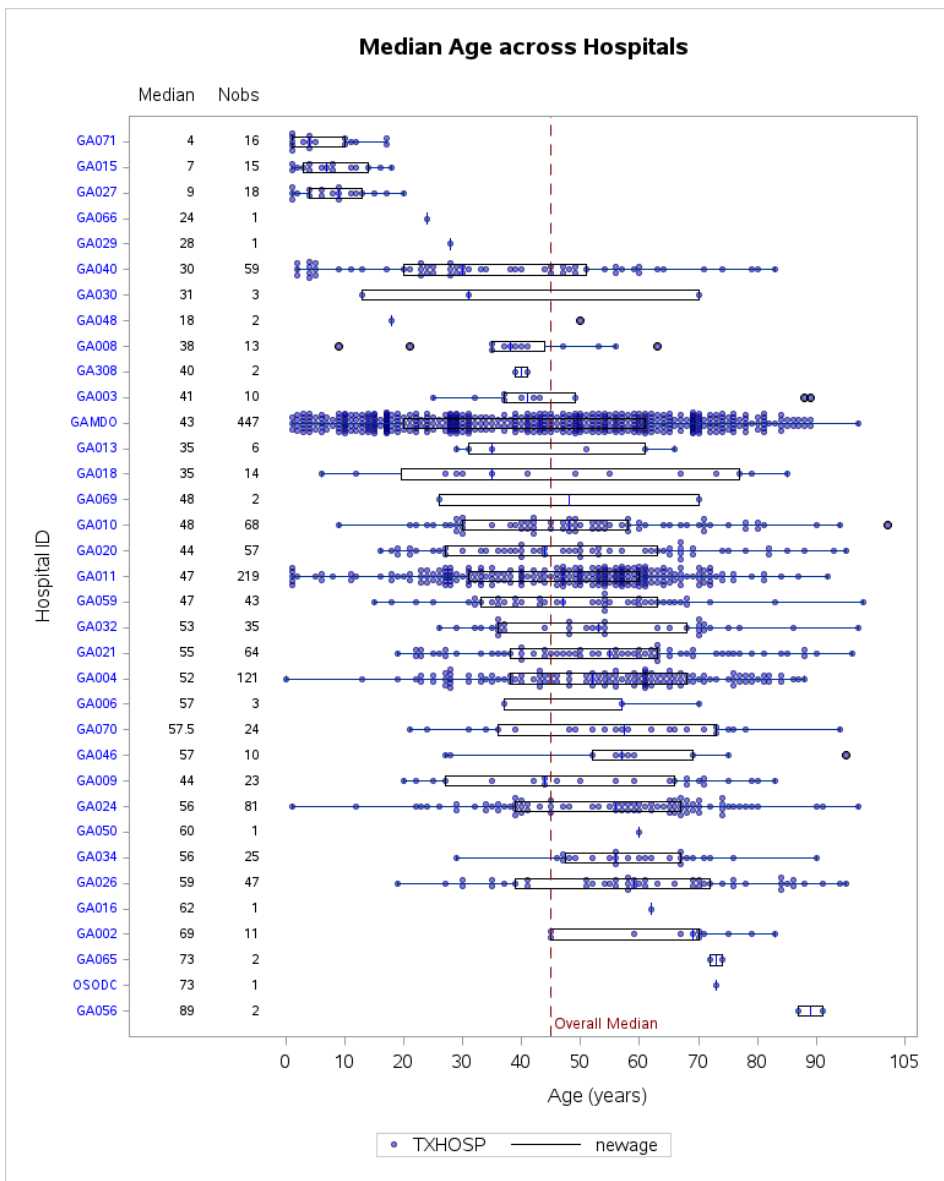
The SURVEYMEANS Procedure

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

Summary statistics: Age by Hospital ID

The SURVEYMEANS Procedure





Weighted 2-sample t-test: Age by Hospitalized

The TTEST Procedure

Variable: newage

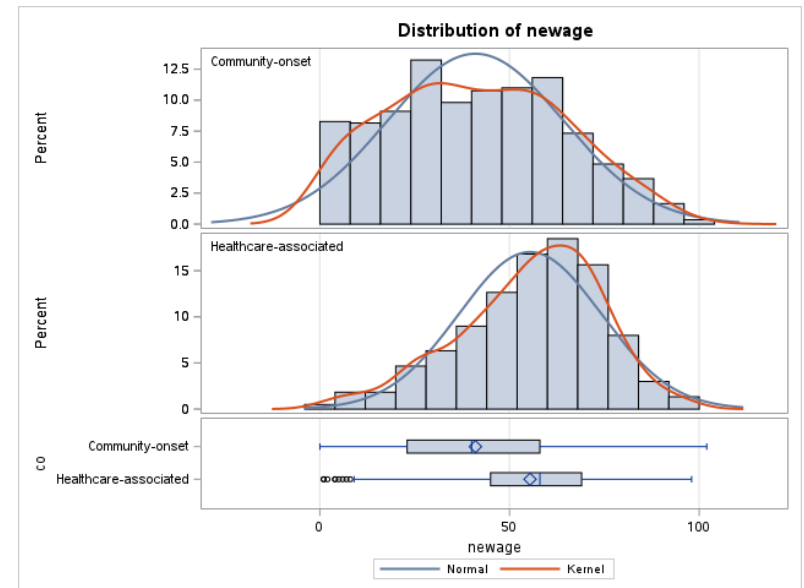
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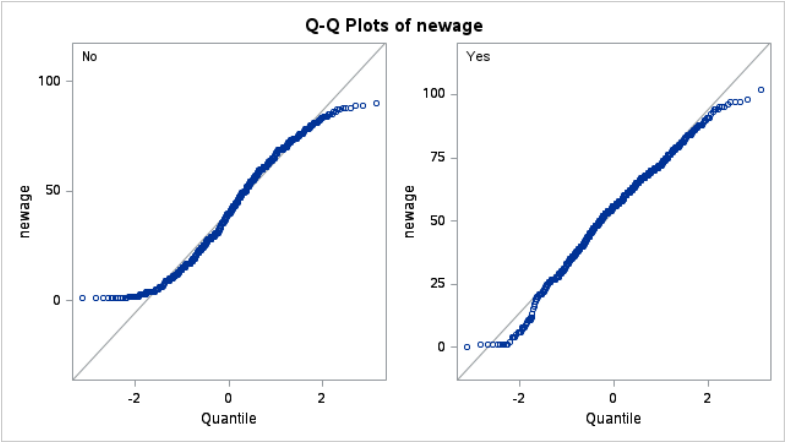
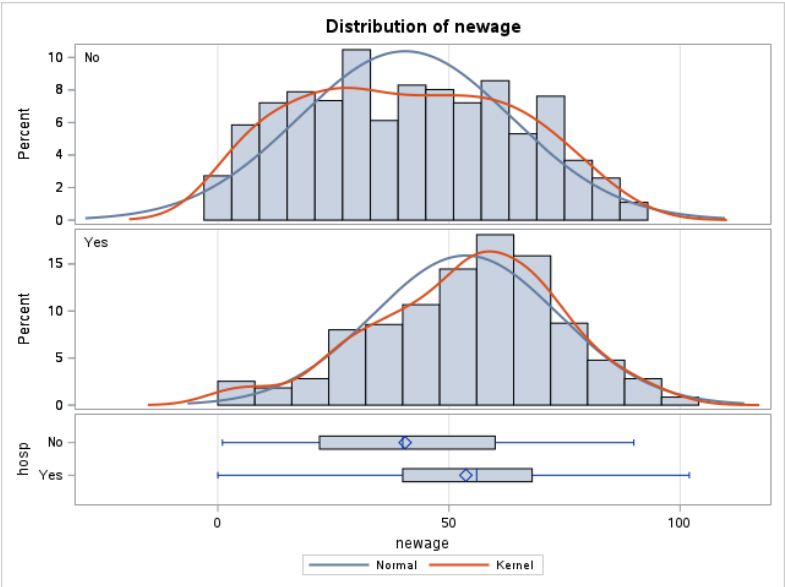
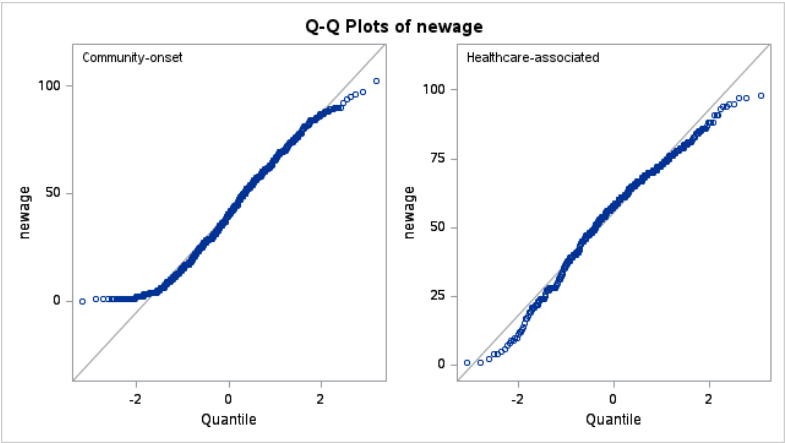
co	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
Community-onset		846	39.5445	41.8484	0.7762	0	102.0
Healthcare-associated		601	53.6195	30.6714	0.8038	1.0000	98.0000
Diff (1-2)	Pooled		-14.0750	37.6129	1.2076		
Diff (1-2)	Satterthwaite		-14.0750		1.1174		

co	Method	Mean	95% CL Mean	Std Dev	95% CL Std Dev
Community-onset		39.5445	38.0211 41.0680	41.8484	39.9450 43.9438
Healthcare-associated		53.6195	52.0409 55.1981	30.6714	29.0299 32.5110
Diff (1-2)	Pooled	-14.0750	-16.4438 -11.7061	37.6129	36.2902 39.0363
Diff (1-2)	Satterthwaite	-14.0750	-16.2669 -11.8830		

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	-11.66	<.0001
Satterthwaite	Unequal	1385.3	-12.60	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	845	600	1.86	<.0001





Weighted 2-sample t-test: Age by Patient sex

The TTEST Procedure

Variable: newage

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

Weighted 2-sample t-test: Age by Bloodstream Infection

The TTEST Procedure

Variable: newage

Weight: WEIGHT

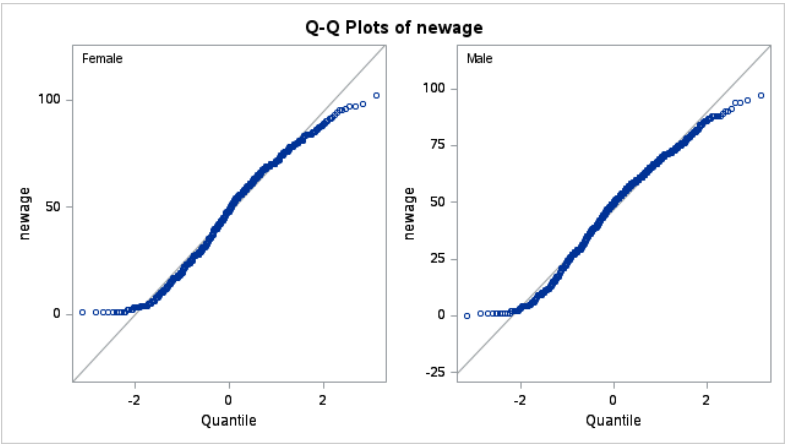
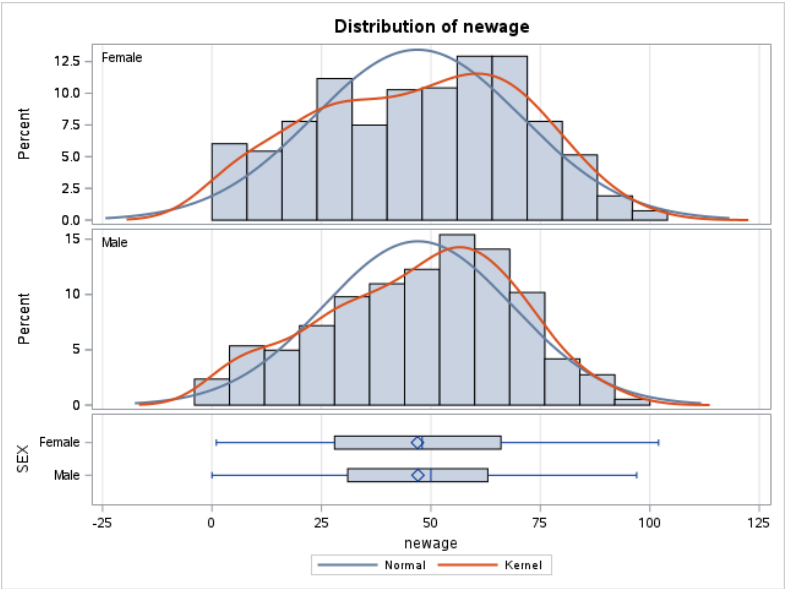
SEX	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
Female		681	44.3000	41.7819	0.9124	1.0000	102.0

SEX	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
Male		766	44.1876	37.0365	0.7780	0	97.0000
Diff (1-2)	Pooled		0.1124	39.3410	1.1921		
Diff (1-2)	Satterthwaite		0.1124		1.1991		

SEX	Method	Mean	95% CL Mean	Std Dev	95% CL Std Dev
Female		44.3000	42.5085 46.0914	41.7819	39.6746 44.1275
Male		44.1876	42.6602 45.7149	37.0365	35.2702 38.9905
Diff (1-2)	Pooled	0.1124	-2.2260 2.4508	39.3410	37.9576 40.8298
Diff (1-2)	Satterthwaite	0.1124	-2.2399 2.4646		

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	0.09	0.9249
Satterthwaite	Unequal	1379.9	0.09	0.9253

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	680	765	1.27	0.0012



Weighted 2-sample t-test: Age by Dialysis

The TTEST Procedure

Variable: newage

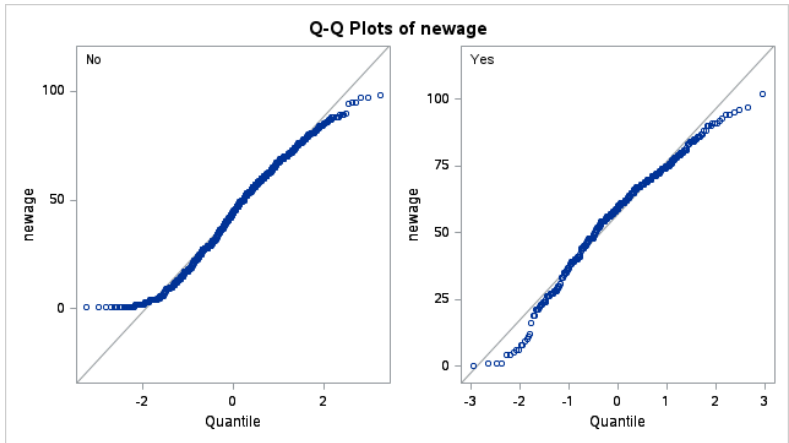
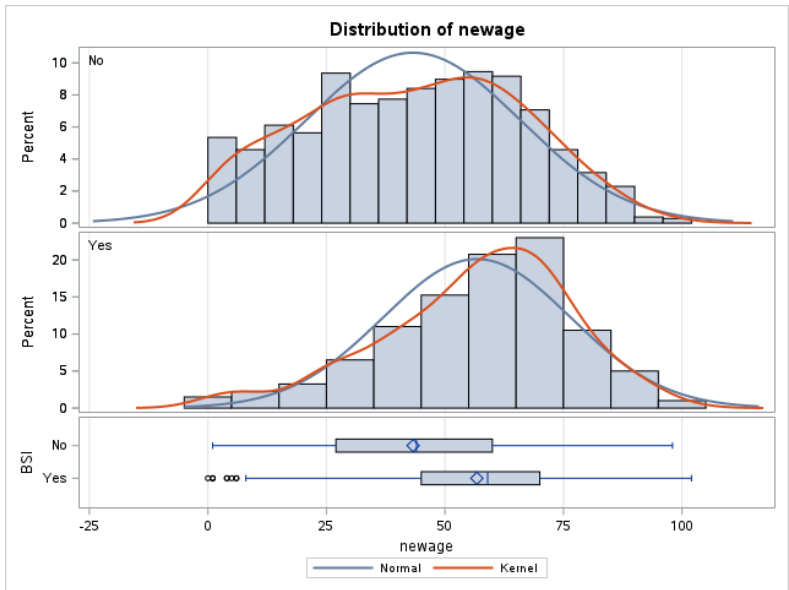
Weight: WEIGHT

BSI	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
No		1047	42.8193	43.5910	0.6975	1.0000	98.0000
Yes		400	56.3982	20.8490	0.9753	0	102.0
Diff (1-2)	Pooled		-13.5790	38.6719	1.9119		
Diff (1-2)	Satterthwaite		-13.5790		1.1990		

BSI	Method	Mean	95% CL Mean	Std Dev	95% CL Std Dev
No		42.8193	41.4506 44.1879	43.5910	41.8006 45.5429
Yes		56.3982	54.4809 58.3156	20.8490	19.4974 22.4035
Diff (1-2)	Pooled	-13.5790	-17.3294 -9.8286	38.6719	37.3121 40.1354
Diff (1-2)	Satterthwaite	-13.5790	-15.9325 -11.2255		

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	-7.10	<.0001
Satterthwaite	Unequal	828.81	-11.33	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	1046	399	4.37	<.0001

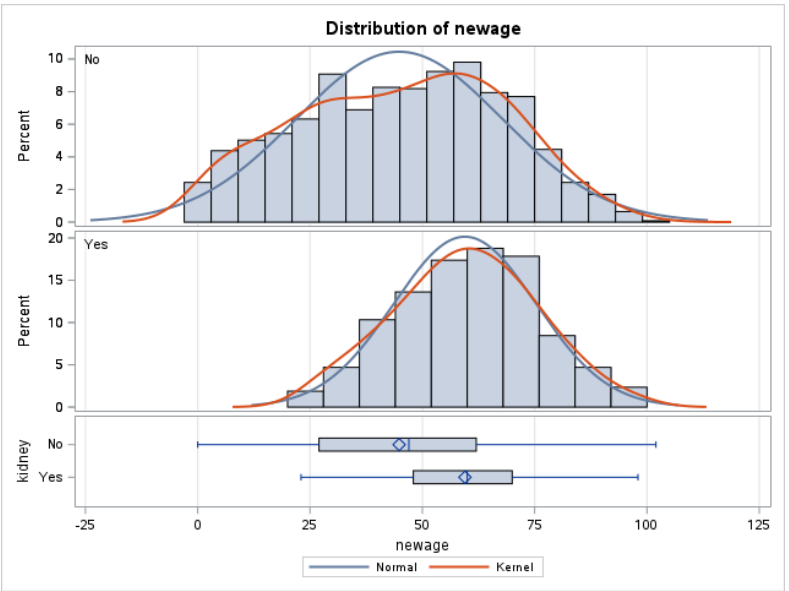


kidney	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
Yes		213	60.5867	22.8086	1.0752	23.0000	98.0000
Diff (1-2)	Pooled		-18.2248	38.1439	1.8987		
Diff (1-2)	Satterthwaite		-18.2248		1.2526		

kidney	Method	Mean	95% CL Mean	Std Dev	95% CL Std Dev
No		42.3619	41.1012 43.6225	40.1954	38.6698 41.8473
Yes		60.5867	58.4672 62.7061	22.8086	20.8288 25.2076
Diff (1-2)	Pooled	-18.2248	-21.9493 -14.5003	38.1439	36.8026 39.5874
Diff (1-2)	Satterthwaite	-18.2248	-20.6876 -15.7620		

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	-9.60	<.0001
Satterthwaite	Unequal	382.1	-14.55	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	1233	212	3.11	<.0001



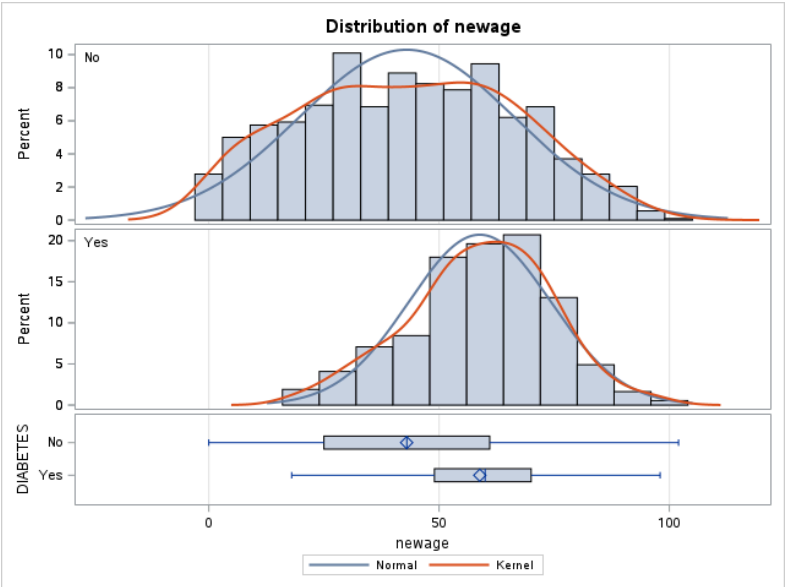
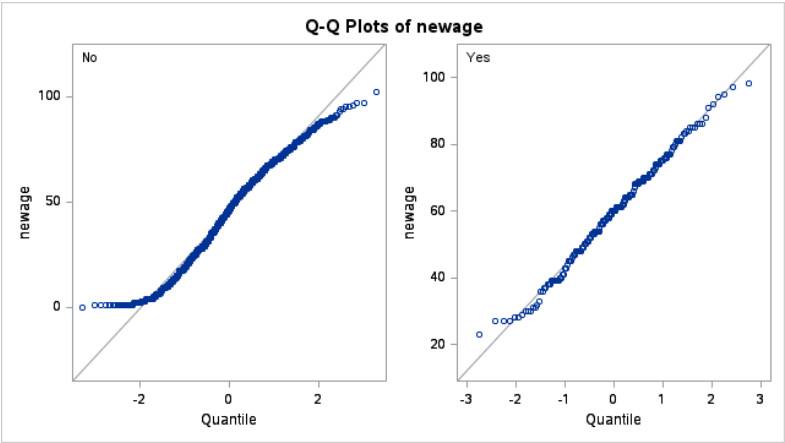
Weighted 2-sample t-test: Age by Diabetes

The TTEST Procedure

Variable: newage

Weight: WEIGHT

kidney	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
No		1234	42.3619	40.1954	0.6426	0	102.0



Weighted 2-sample t-test: Age by Wound

The TTEST Procedure

Variable: newage

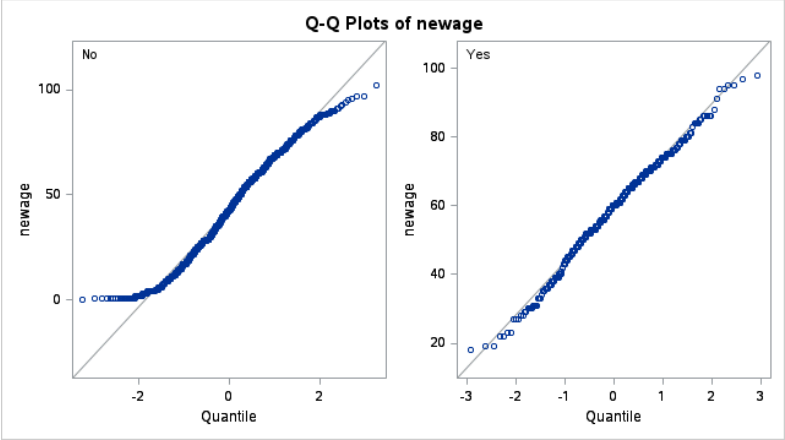
Weight: WEIGHT

DIABETES	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
No		1080	40.6766	40.7357	0.6947	0	102.0
Yes		367	57.4919	25.6006	0.8417	18.0000	98.0000
Diff (1-2)	Pooled		-16.8153	37.4846	1.3884		
Diff (1-2)	Satterthwaite		-16.8153		1.0914		

DIABETES	Method	Mean	95% CL Mean	Std Dev	95% CL Std Dev
No		40.6766	39.3134 42.0398	40.7357	39.0873 42.5304
Yes		57.4919	55.8366 59.1472	25.6006	23.8728 27.6001
Diff (1-2)	Pooled	-16.8153	-19.5389 -14.0918	37.4846	36.1665 38.9032
Diff (1-2)	Satterthwaite	-16.8153	-18.9574 -14.6733		

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	-12.11	<.0001
Satterthwaite	Unequal	893.8	-15.41	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	1079	366	2.53	<.0001



Weighted 2-sample t-test: Age by MRSA status

The TTEST Procedure

Variable: newage

Weight: WEIGHT

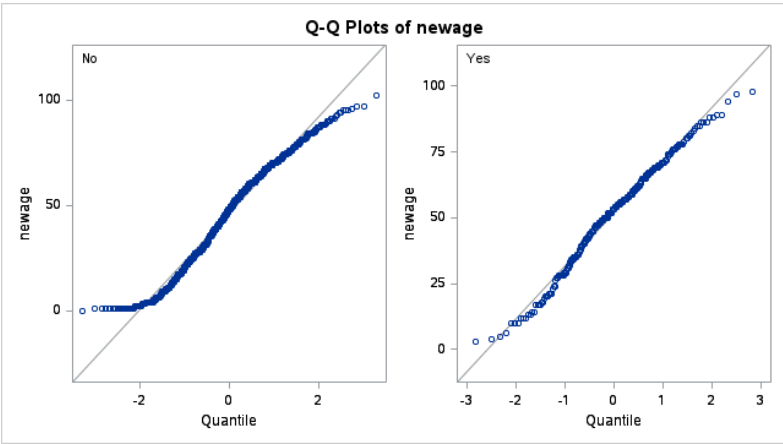
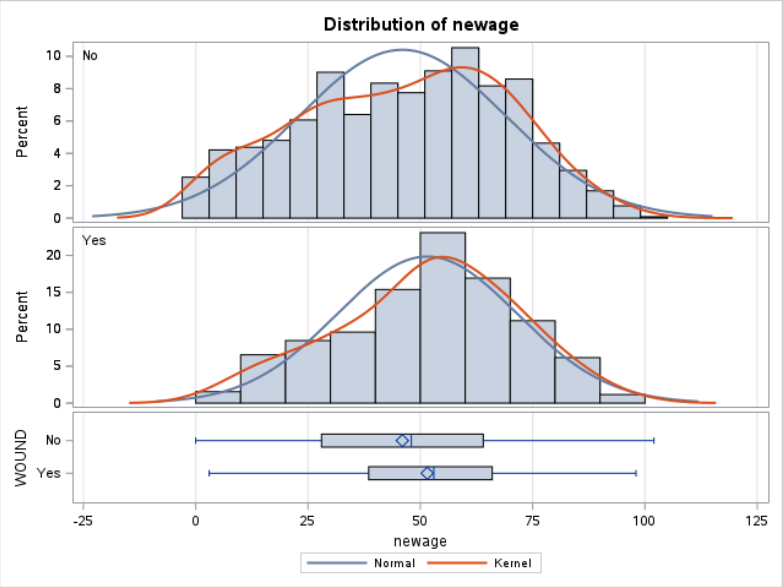
WOUND	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
No		1187	41.9591	38.3606	0.6655	0	102.0

WOUND	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
Yes		260	51.5346	40.2019	1.2466	3.0000	98.0000
Diff (1-2)	Pooled		-9.5755	38.6971	1.3750		
Diff (1-2)	Satterthwaite		-9.5755		1.4131		

WOUND	Method	Mean	95% CL Mean	Std Dev	95% CL Std Dev
No		41.9591	40.6535 43.2647	38.3606	36.8772 39.9693
Yes		51.5346	49.0798 53.9894	40.2019	37.0179 43.9899
Diff (1-2)	Pooled	-9.5755	-12.2727 -6.8784	38.6971	37.3363 40.1615
Diff (1-2)	Satterthwaite	-9.5755	-12.3532 -6.7979		

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	-6.96	<.0001
Satterthwaite	Unequal	420.19	-6.78	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	259	1186	1.10	0.3189



Weighted 2-sample t-test: Age by Smoker

The TTEST Procedure

Variable: newage

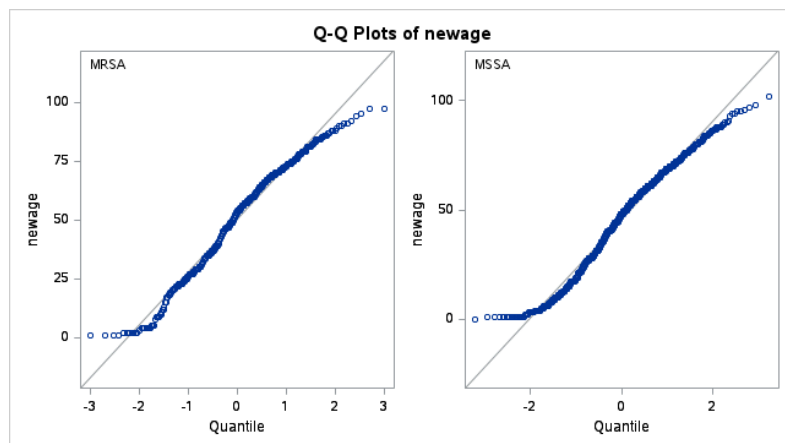
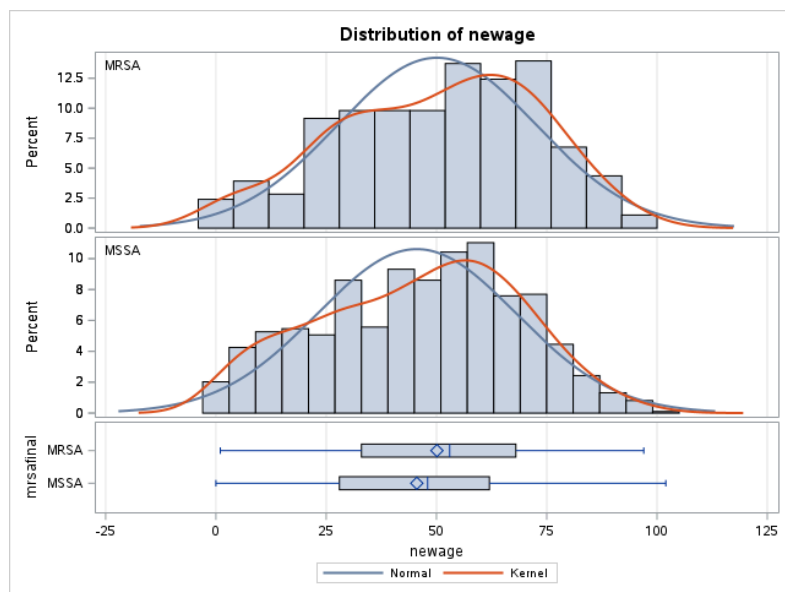
Weight: WEIGHT

mrsafinal	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
MRSA		459	46.5069	37.0407	1.0549	1.0000	97.0000
MSSA		988	43.3492	40.2533	0.7195	0	102.0
Diff (1-2)	Pooled		3.1577	39.2635	1.3202		
Diff (1-2)	Satterthwaite		3.1577		1.2769		

mrsafinal	Method	Mean	95% CL Mean	Std Dev	95% CL Std Dev
MRSA		46.5069	44.4339 48.5799	37.0407	34.7895 39.6057
MSSA		43.3492	41.9373 44.7611	40.2533	38.5533 42.1112
Diff (1-2)	Pooled	3.1577	0.5680 5.7473	39.2635	37.8828 40.7494
Diff (1-2)	Satterthwaite	3.1577	0.6517 5.6637		

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	2.39	0.0169
Satterthwaite	Unequal	893.53	2.47	0.0136

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	987	458	1.18	0.0406

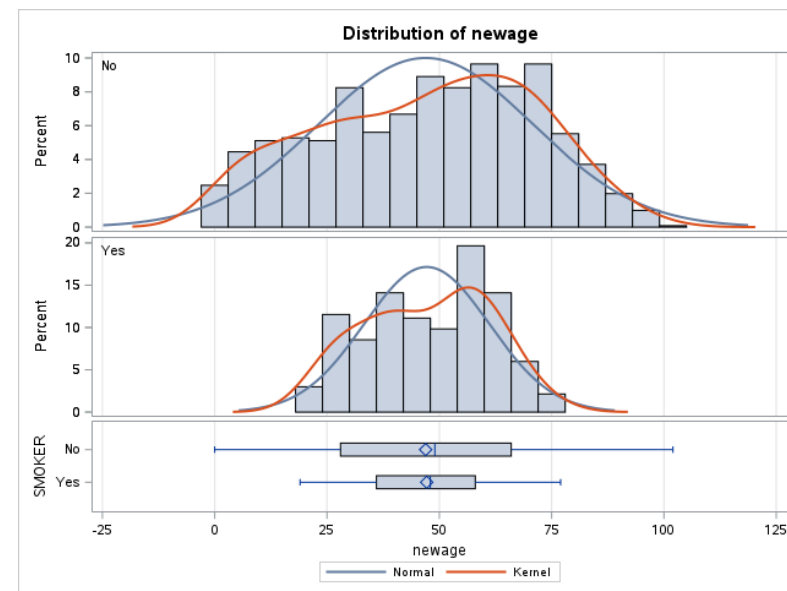


SMOKER	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
Yes		234	45.6584	22.6643	0.9230	19.0000	77.0000
Diff (1-2)	Pooled		-1.6440	39.3288	1.7252		
Diff (1-2)	Satterthwaite		-1.6440		1.1472		

SMOKER	Method	Mean	95% CL Mean	Std Dev	95% CL Std Dev
No		44.0144	42.6777 45.3511	41.7775	40.1786 43.5098
Yes		45.6584	43.8400 47.4768	22.6643	20.7801 24.9273
Diff (1-2)	Pooled	-1.6440	-5.0283 1.7402	39.3288	37.9458 40.8171
Diff (1-2)	Satterthwaite	-1.6440	-3.8977 0.6096		

Method	Variances	DF	t Value	Pr > t
Pooled	Equal	1445	-0.95	0.3408
Satterthwaite	Unequal	526.08	-1.43	0.1524

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	1212	233	3.40	<.0001



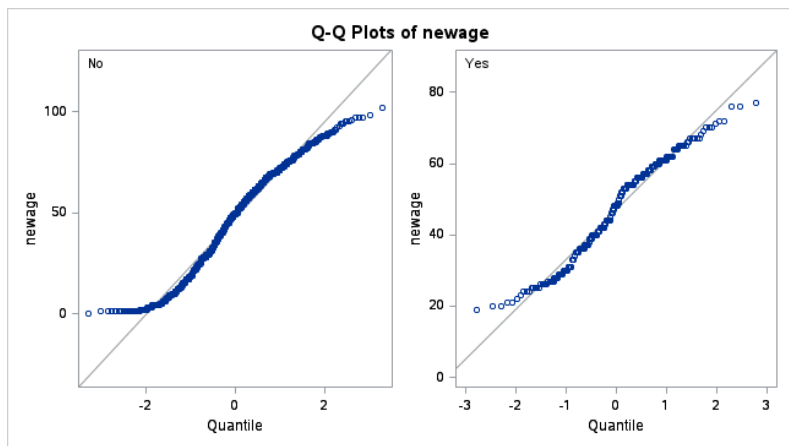
Weighted Chi-square test by hosp w/ unadjusted OR

The TTEST Procedure

Variable: newage

Weight: WEIGHT

SMOKER	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
No		1213	44.0144	41.7775	0.6813	0	102.0



Weighted Chi-square test by hosp w/ unadjusted OR

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

Rao-Scott Likelihood Ratio Test
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			

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			

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

Table of kidney by hosp				
kidney	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
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			

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
Sample Size = 1447	

Rao-Scott Likelihood Ratio Test	
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			

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			

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

Table of BSI by hosp				
BSI	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq
	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			

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
Sample Size = 1447	

Rao-Scott Likelihood Ratio Test	
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			

Weighted Chi-square test by setting w/ unadjusted OR

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

Odds Ratio and Relative Risks (Row1/Row2)		
Statistic	Estimate	95% Confidence Limits
Sample Size = 1447		

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			

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	
Sample Size = 1447	

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			

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
Sample Size = 1447			

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Column 2 Relative Risk	0.4785	0.4128	0.5548
Sample Size = 1447			

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			

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

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			

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
Sample Size = 1447			

Odds Ratio and Relative Risks (Row1/Row2)			
Statistic	Estimate	95% Confidence Limits	
Column 2 Relative Risk	0.5840	0.4988	0.6838
Sample Size = 1447			

MRSA*Hospitalization adjusted RR (of CO/HA infections)

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	124	532
		76.69	23.31	
		43.73	23.71	
MSSA		525	399	924
		56.82	43.18	
		56.27	76.29	
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

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

Table 2 of mrsafinal by hosp			
Controlling for co=Community-onset			
mrsafinal	hosp		
	Yes	No	Total
	64.15	79.08	
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

MRSA*Hospitalization adjusted RR (of CO/HA infections)

The FREQ Procedure

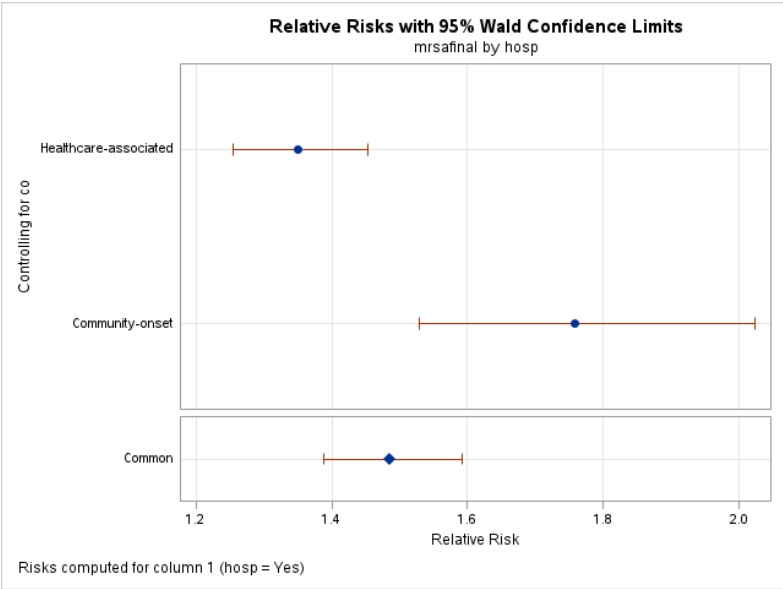
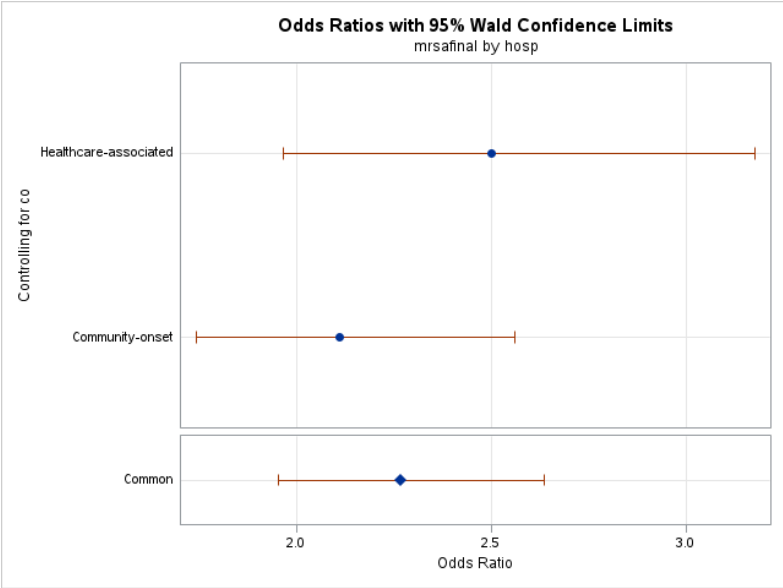
Summary Statistics for mrsafinal by hosp
Controlling for co

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

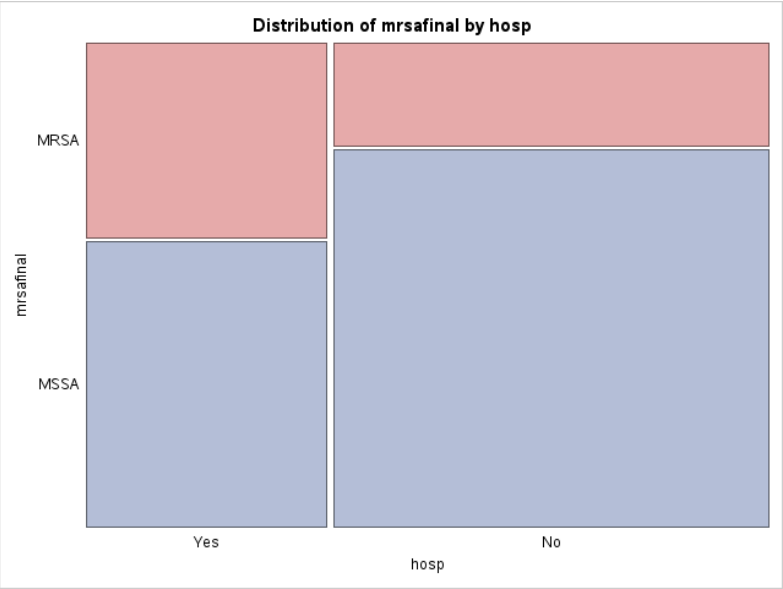
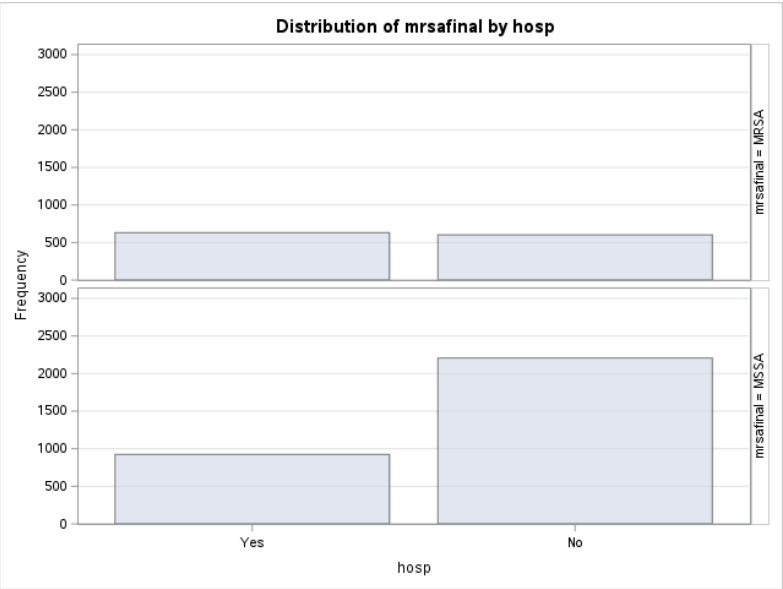
Total Sample Size = 4363



MRSA*Hospitalization unadjusted RR

The FREQ Procedure

Frequency Row Pct	Table of mrsafinal by hosp		
	mrsafinal	hosp	
		Yes	No
MRSA	631	51.18	602
MSSA	924	29.52	2206
Total	1555	2808	4363



Statistics for Table of mrsafinal by hosp

Statistic	Value	ASE
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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

Table 1 Weighted Categorical Statistics

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	Percent	Std Err of Percent
Female	No	370	1450	65.72655	33.2340	1.3956
	Yes	311	647.00000	41.26600	14.8292	0.9600
	Total	681	2097	68.74069	48.0633	1.4506
Male	No	365	1358	63.70503	31.1254	1.3689
	Yes	401	908.00000	48.66068	20.8114	1.1251
	Total	766	2266	68.70742	51.9367	1.4506
Total	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	

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
Sample Size = 1447	

Rao-Scott Chi-Square Test	
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			

Table of mrsafinal by hosp						
mrsafinal	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
MRSA	No	161	602.00000	46.01099	13.7978	1.0300
	Yes	298	631.00000	41.09750	14.4625	0.9538
	Total	459	1233	57.27668	28.2804	1.2893
MSSA	No	574	2206	73.31162	50.5615	1.4499
	Yes	414	924.00000	48.74023	21.1781	1.1296
	Total	988	3130	70.22049	71.7396	1.2893
Total	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	

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	

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			

Table of kidney by hosp						
kidney	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	702	2700	75.21902	61.8840	1.3750
	Yes	532	1213	54.05718	27.8020	1.2530
	Total	1234	3913	63.64121	89.6860	0.8203

Table of kidney by hosp						
kidney	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
Yes	No	33	108.00000	20.00539	2.4754	0.4572
	Yes	180	342.00000	30.16284	7.8386	0.7004
	Total	213	450.00000	35.48134	10.3140	0.8203
Total	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	

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	

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			

Table of DIABETES by hosp						
DIABETES	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	651	2508	74.78567	57.4834	1.4150
	Yes	429	930.00000	48.35180	21.3156	1.1259
	Total	1080	3438	68.59107	78.7990	1.1552
Yes	No	84	300.00000	33.20488	6.8760	0.7534
	Yes	283	625.00000	41.52393	14.3250	0.9594
	Total	367	925.00000	50.67016	21.2010	1.1552
Total	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	

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
Sample Size = 1447	

Rao-Scott Chi-Square Test	
F Value	145.6779
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			

Table of SMOKER by hosp						
SMOKER	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	667	2557	74.84909	58.6065	1.4065
	Yes	546	1203	53.22418	27.5728	1.2425
	Total	1213	3760	64.65760	86.1792	0.9756
Yes	No	68	251.00000	30.66122	5.7529	0.6965
	Yes	166	352.00000	31.79734	8.0678	0.7335
	Total	234	603.00000	42.76657	13.8208	0.9756
Total	No	735	2808	75.19838	64.3594	1.3469
	Yes	712	1555	57.08056	35.6406	1.3469
Total	Total	1447	4363	53.60645	100.0000	

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	

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			

Table of BSI by hosp						
BSI	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	713	2783	75.59388	63.7864	1.3507
	Yes	334	1123	58.39357	25.7392	1.2844

Table of BSI by hosp						
BSI	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
	Total	1047	3906	69.29320	89.5256	0.6141
Yes	No	22	25.00000	6.04924	0.5730	0.1397
	Yes	378	432.00000	22.79004	9.9014	0.5965
	Total	400	457.00000	23.26030	10.4744	0.6141
Total	No	735	2808	75.19838	64.3594	1.3469
	Yes	712	1555	57.08056	35.6406	1.3469
Total	Total	1447	4363	53.60645	100.0000	

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	

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			

Table of WOUND by hosp						
WOUND	hosp	Frequency	Weighted Frequency	Std Err of Wgt Freq	Percent	Std Err of Percent
No	No	591	2232	73.19042	51.1575	1.4484
	Yes	596	1091	47.43384	25.0057	1.1549
	Total	1187	3323	65.10562	76.1632	1.2740
Yes	No	144	576.00000	45.56478	13.2019	1.0189
	Yes	116	464.00000	41.33271	10.6349	0.9292
	Total	260	1040	58.43700	23.8368	1.2740
Total	No	735	2808	75.19838	64.3594	1.3469
	Yes	712	1555	57.08056	35.6406	1.3469
Total	Total	1447	4363	53.60645	100.0000	

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
Sample Size = 1447	

Rao-Scott Chi-Square Test	
F Value	12.8327
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			

Table 2 Weighted Interval Statistics

The SURVEYMEANS Procedure

Data Summary	
Number of Observations	1447
Sum of Weights	4363

Statistics						
Variable	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	0	44.241577	0.655820	0.430100	43.162157	45.320997

Quantiles					
Variable	Percentile	Estimate	Std Error	95% Confidence Limits	
newage	50 Median	44.617188	1.105049	42.4495167	46.7848583

Check Age distribution for normality

The UNIVARIATE Procedure
Variable: newage

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.980776	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.060532	Pr > D	<0.0100
Cramer-von Mises	W-Sq	1.173346	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	7.244231	Pr > A-Sq	<0.0050

