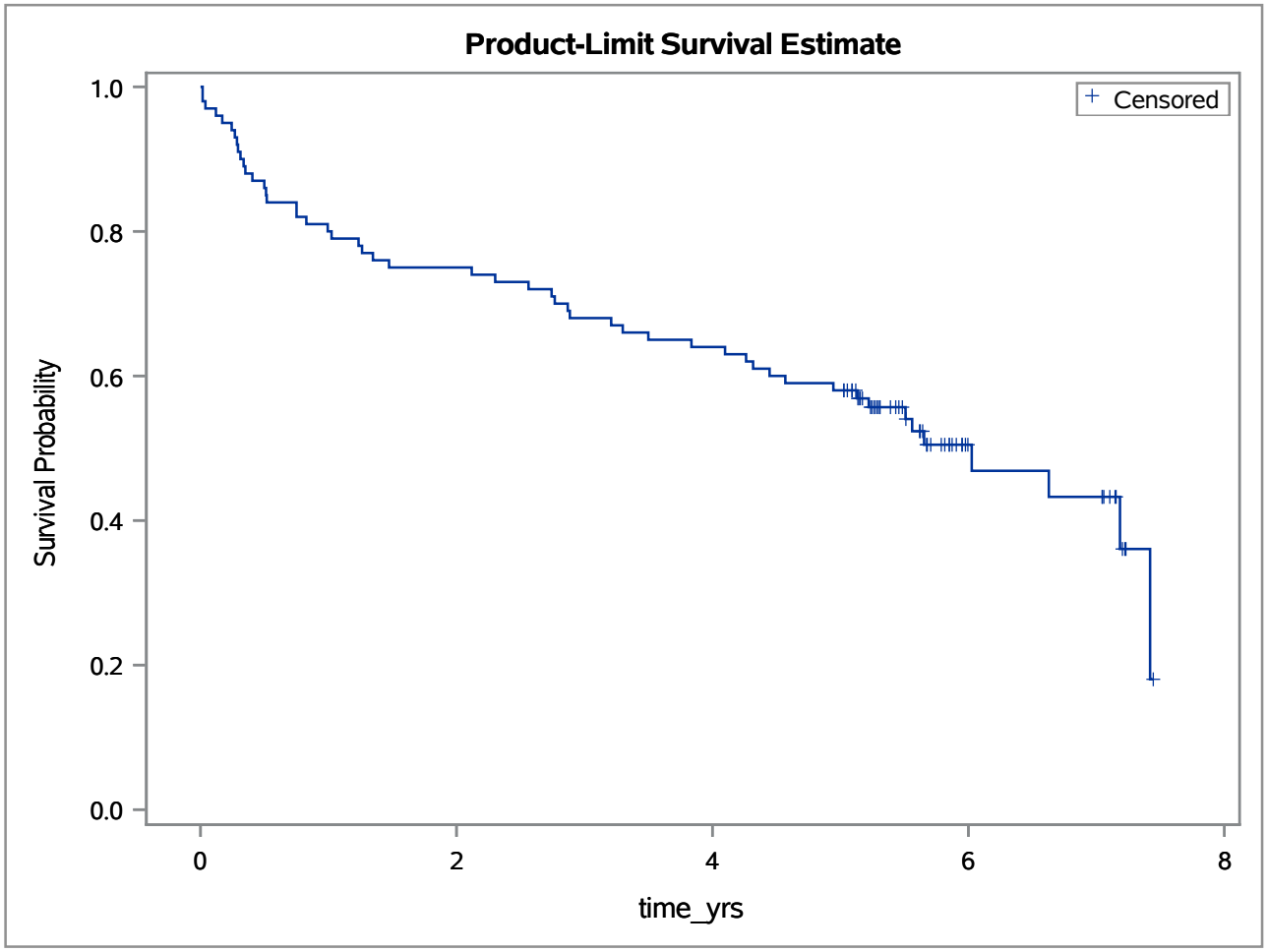
Kaplan-Meier curve for WHAS100 data

The LIFETEST Procedure



Summary of the Number of Censored and Uncensored Values			
Total	Failed	Censored	Percent Censored
100	51	49	49.00

Comparison of survival for gender for WHAS100 data

The LIFETEST Procedure

Summary of the Number of Censored and Uncensored Values					
Stratum	gender	Total	Failed	Censored	Percent Censored
1	0	65	28	37	56.92
2	1	35	23	12	34.29
Total		100	51	49	49.00

Comparison of survival for gender for WHAS100 data

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for time_yrs over Strata

Rank Statistics		
gender	**Log-Rank**	**Wilcoxon**
0	-6.6200	-459.00
1	6.6200	459.00

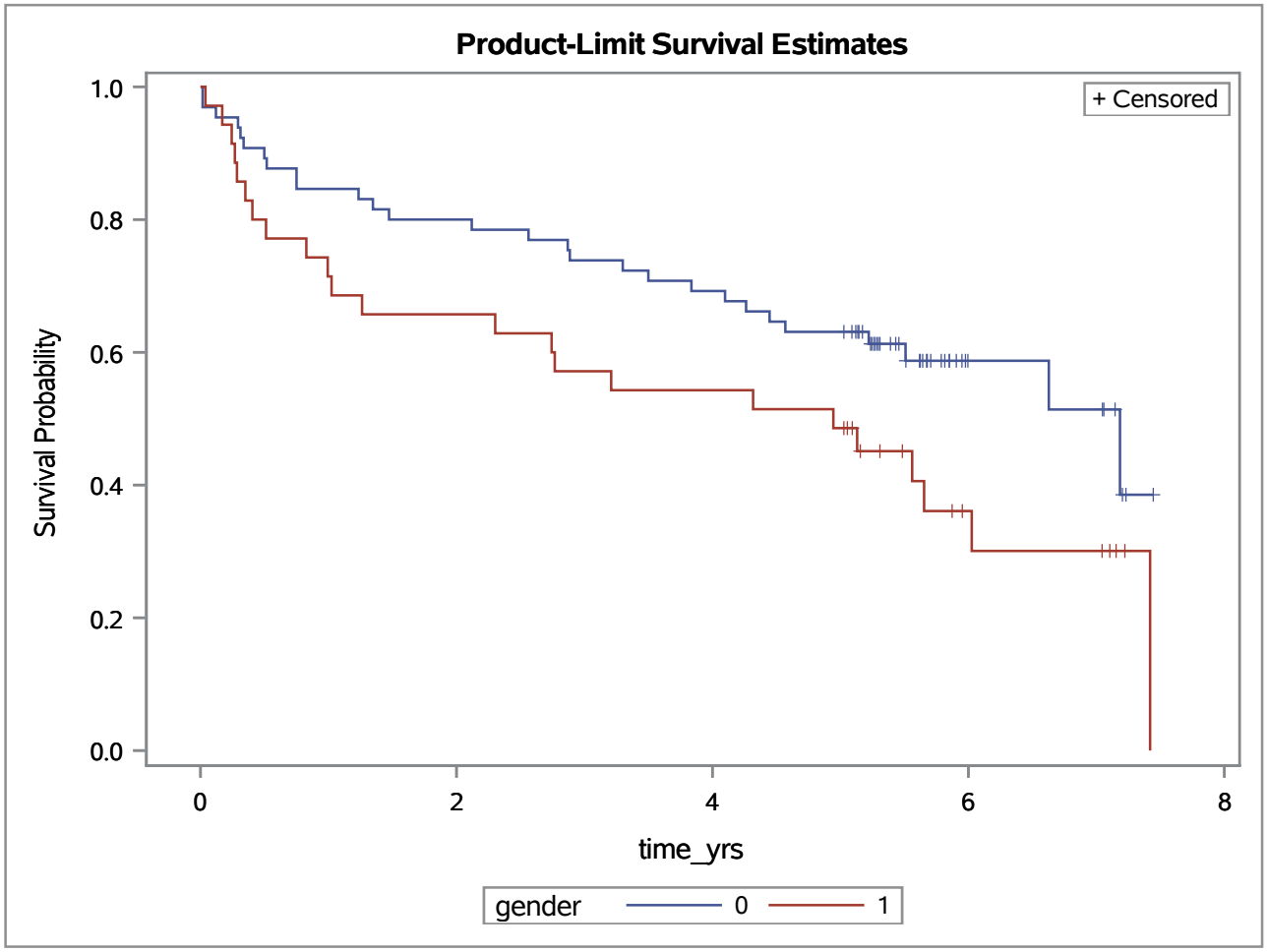
Covariance Matrix for the Log-Rank Statistics		
gender	**0**	**1**
0	11.0351	-11.0351
1	-11.0351	11.0351

Covariance Matrix for the Wilcoxon Statistics		
gender	**0**	**1**
0	60848.0	-60848.0
1	-60848.0	60848.0

Test of Equality over Strata			
Test	**Chi-Square**	**DF**	**Pr > Chi-Square**
Log-Rank	3.9714	1	0.0463
Wilcoxon	3.4624	1	0.0628
-2Log(LR)	4.4183	1	0.0356

Comparison of survival for gender for WHAS100 data

The LIFETEST Procedure



Comparison of survival for gender for WHAS100 data

The PHREG Procedure

Model Information	
Data Set	SURVIVAL.WHAS100
Dependent Variable	time_yrs
Censoring Variable	fstat
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	100
Number of Observations Used	100

Summary of the Number of Event and Censored Values			
Total	**Event**	**Censored**	**Percent Censored**
100	51	49	49.00

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

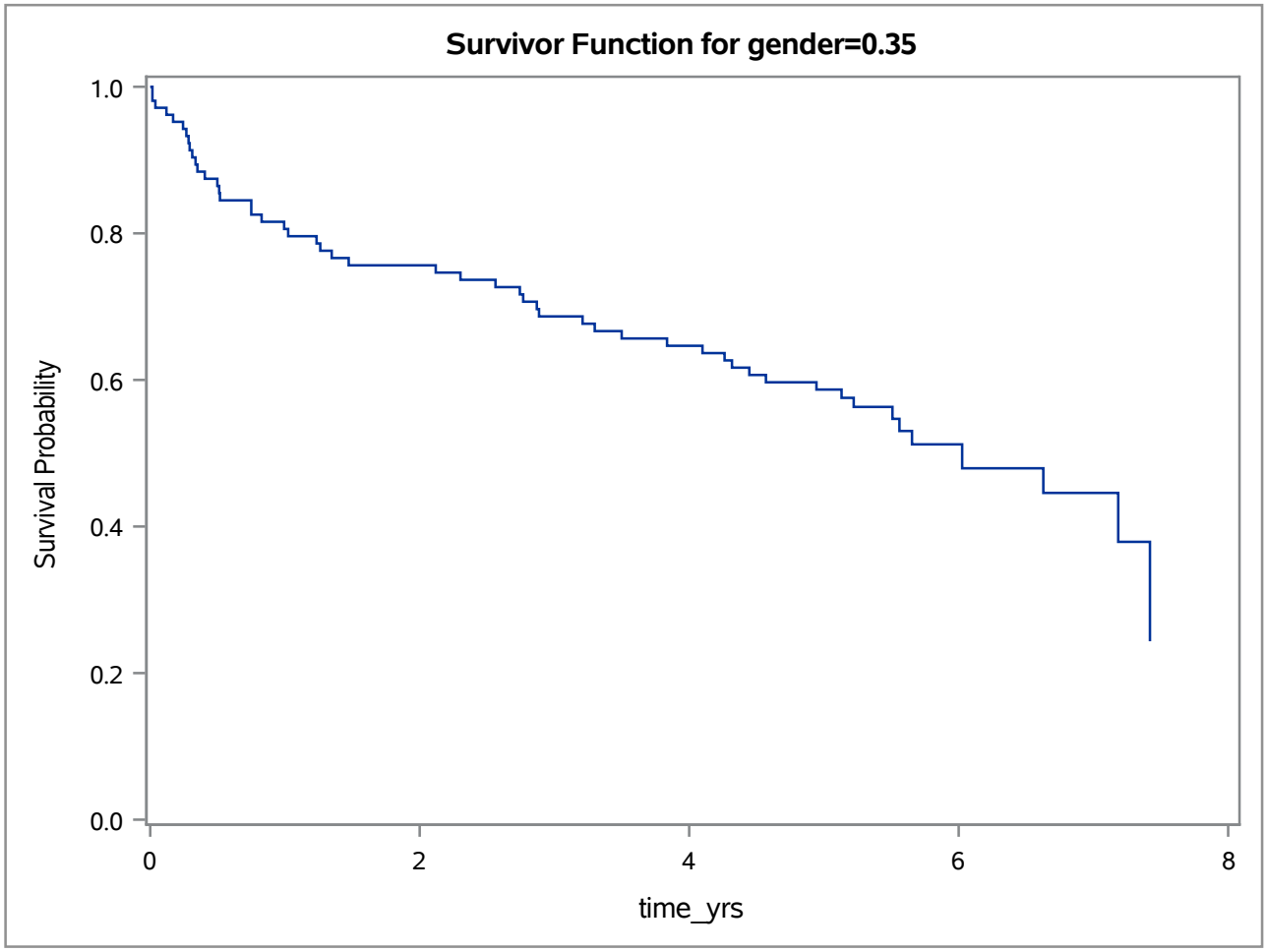
Model Fit Statistics		
Criterion	**Without Covariates**	**With Covariates**
-2 LOG L	418.239	414.485
AIC	418.239	416.485
SBC	418.239	418.416

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	3.7548	1	0.0527
Score	3.9678	1	0.0464
Wald	3.8705	1	0.0491

Analysis of Maximum Likelihood Estimates						
Parameter	**DF**	**Parameter Estimate**	**Standard Error**	**Chi-Square**	**Pr > ChiSq**	**Hazard Ratio**
gender	1	0.55555	0.28238	3.8705	0.0491	1.743

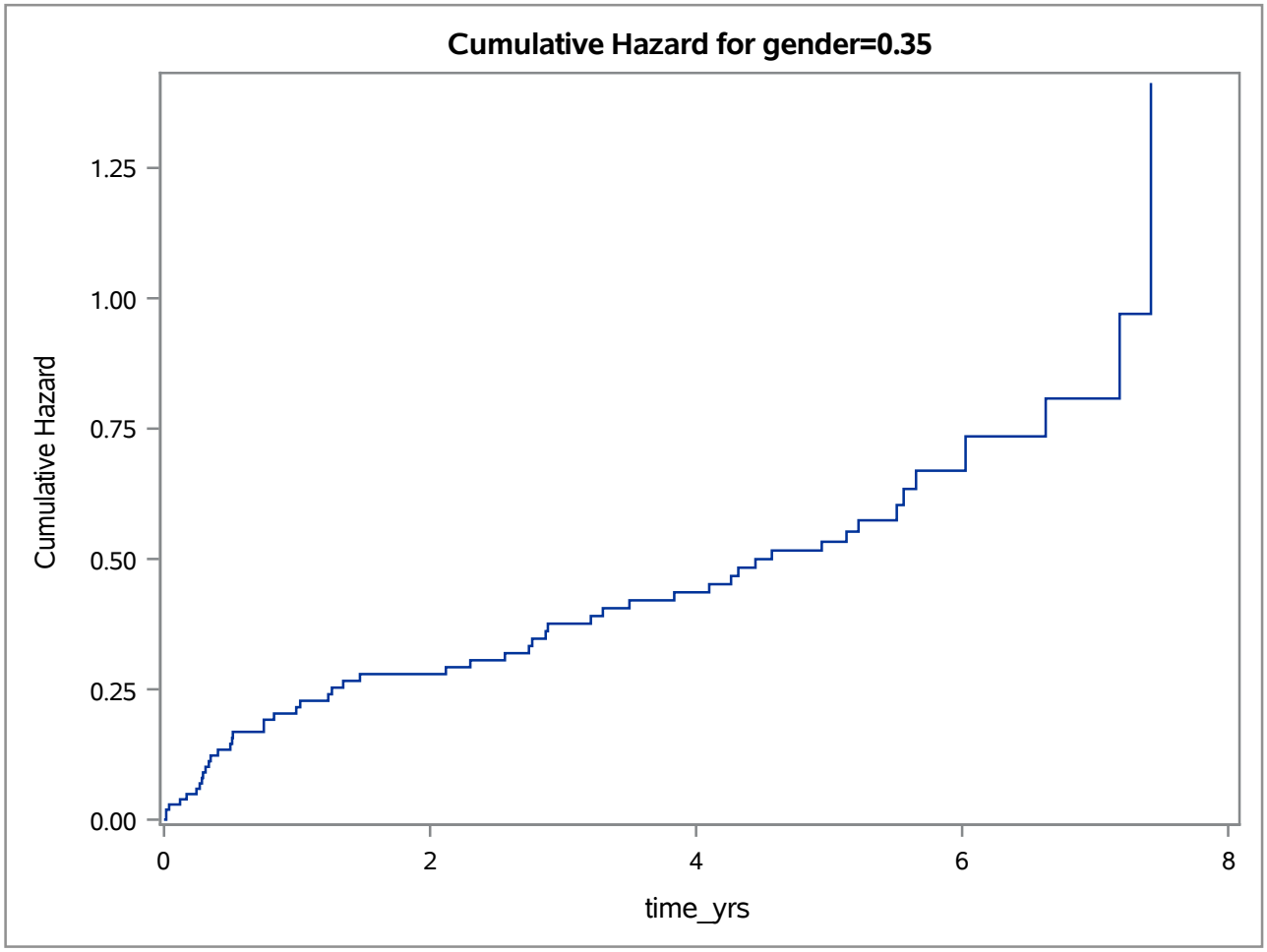
Comparison of survival for gender for WHAS100 data

The PHREG Procedure



Comparison of survival for gender for WHAS100 data

The PHREG Procedure



Reference Set of Covariates for Plotting
gender
0.350000

Comparison of survival for age groups for WHAS100 data

The LIFETEST Procedure

Summary of the Number of Censored and Uncensored Values

Stratum	age_gp	Total	Failed	Censored	Percent Censored
1	0-59	27	9	18	66.67
2	60-69	22	7	15	68.18
3	70-79	26	14	12	46.15
4	>=80	25	21	4	16.00
Total		100	51	49	49.00

Comparison of survival for age groups for WHAS100 data

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for time_yrs over Strata

Rank Statistics		
age_gp	**Log-Rank**	**Wilcoxon**
0-59	-7.210	-459.00
60-69	-5.354	-339.00
70-79	1.415	28.00
>=80	11.150	770.00

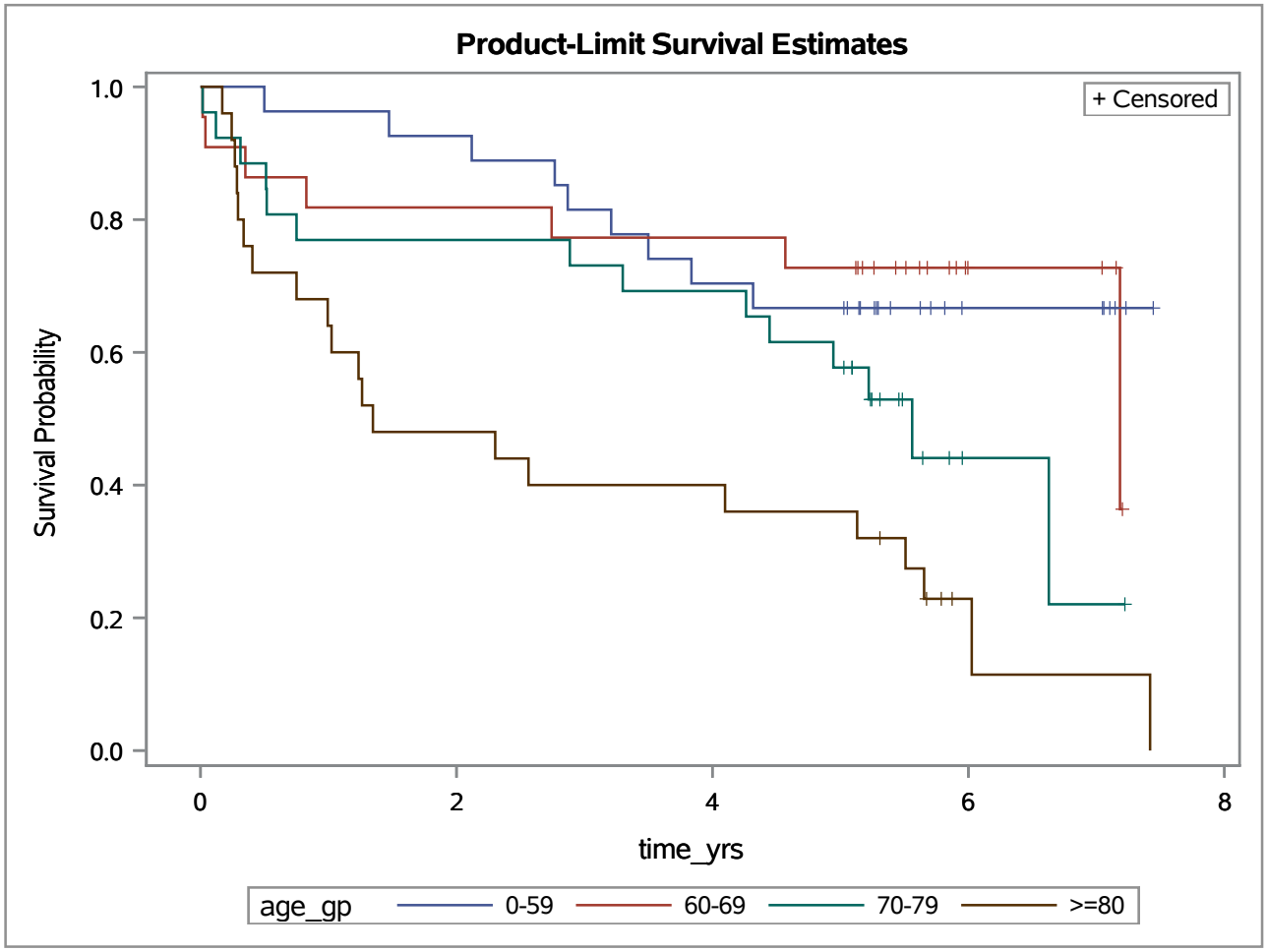
Covariance Matrix for the Log-Rank Statistics				
age_gp	**0-59**	**60-69**	**70-79**	**>=80**
0-59	10.9624	-3.8997	-3.9227	-3.1400
60-69	-3.8997	9.2399	-3.0718	-2.2684
70-79	-3.9227	-3.0718	9.3450	-2.3505
>=80	-3.1400	-2.2684	-2.3505	7.7590

Covariance Matrix for the Wilcoxon Statistics				
age_gp	**0-59**	**60-69**	**70-79**	**>=80**
0-59	59231.8	-19876.1	-22306.7	-17049.1
60-69	-19876.1	49758.6	-16966.8	-12915.6
70-79	-22306.7	-16966.8	53924.3	-14650.8
>=80	-17049.1	-12915.6	-14650.8	44615.5

Test of Equality over Strata			
Test	**Chi-Square**	**DF**	**Pr > Chi-Square**
Log-Rank	18.6824	3	0.0003
Wilcoxon	14.8959	3	0.0019
-2Log(LR)	19.7556	3	0.0002

Comparison of survival for age groups for WHAS100 data

The LIFETEST Procedure



Comparison of survival for age groups for WHAS100 data

The PHREG Procedure

Model Information	
Data Set	WORK.TEMP
Dependent Variable	time_yrs
Censoring Variable	fstat
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	100
Number of Observations Used	100

Class Level Information				
Class	**Value**	**Design Variables**		
age_gp	**0-59**	1	0	0
	60-69	0	1	0
	70-79	0	0	1
	>=80	0	0	0

Summary of the Number of Event and Censored Values			
Total	**Event**	**Censored**	**Percent Censored**
100	51	49	49.00

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	**Without Covariates**	**With Covariates**
-2 LOG L	418.239	401.660
AIC	418.239	407.660
SBC	418.239	413.455

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	16.5796	3	0.0009
Score	18.6642	3	0.0003
Wald	16.6275	3	0.0008

Comparison of survival for age groups for WHAS100 data

The PHREG Procedure

Type 3 Tests			
Effect	DF	Wald Chi-Square	Pr > ChiSq
age_gp	3	16.6275	0.0008

Analysis of Maximum Likelihood Estimates								
Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	Label
age_gp	0-59	1	-1.37166	0.40119	11.6895	0.0006	0.254	age_gp 0-59
age_gp	60-69	1	-1.36062	0.44055	9.5385	0.0020	0.257	age_gp 60-69
age_gp	70-79	1	-0.67566	0.34924	3.7430	0.0530	0.509	age_gp 70-79

Comparison of survival for age groups for WHAS100 data

The PHREG Procedure

Model Information	
Data Set	SURVIVAL.WHAS100
Dependent Variable	time_yrs
Censoring Variable	fstat
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	100
Number of Observations Used	100

Summary of the Number of Event and Censored Values			
Total	**Event**	**Censored**	**Percent Censored**
100	51	49	49.00

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	**Without Covariates**	**With Covariates**
-2 LOG L	418.239	400.888
AIC	418.239	402.888
SBC	418.239	404.820

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	17.3516	1	<.0001
Score	15.6273	1	<.0001
Wald	14.5989	1	0.0001

Analysis of Maximum Likelihood Estimates						
Parameter	**DF**	**Parameter Estimate**	**Standard Error**	**Chi-Square**	**Pr > ChiSq**	**Hazard Ratio**
age	1	0.04566	0.01195	14.5989	0.0001	1.047