

## The PHREG Procedure

Model Information	
Data Set	SURV_ANA.ADDICTS
Dependent Variable	survt
Censoring Variable	status
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	238
Number of Observations Used	238

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
238	150	88	36.97

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1411.324	1346.805
AIC	1411.324	1352.805
SBC	1411.324	1361.837

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	64.5190	3	<.0001
Score	56.2730	3	<.0001
Wald	54.0906	3	<.0001

Analysis of Maximum Likelihood Estimates								
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	
prison	1	0.32650	0.16722	3.8123	0.0509	1.386	0.997	1.923
dose	1	-0.03540	0.00638	30.7844	<.0001	0.965	0.953	0.977
clinic	1	-1.00876	0.21486	22.0419	<.0001	0.365	0.235	0.547

## The PHREG Procedure

Model Information	
Data Set	SURV_ANA.ADDICTS
Dependent Variable	survt
Censoring Variable	status
Censoring Value(s)	0
Ties Handling	EXACT

Number of Observations Read	238
Number of Observations Used	238

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
238	150	88	36.97

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1397.216	1332.655
AIC	1397.216	1338.655
SBC	1397.216	1347.687

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	64.5609	3	<.0001
Score	56.3158	3	<.0001
Wald	54.1201	3	<.0001

Analysis of Maximum Likelihood Estimates								
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	
prison	1	0.32657	0.16723	3.8135	0.0508	1.386	0.997	1.923
dose	1	-0.03537	0.00638	30.7432	<.0001	0.965	0.953	0.977
clinic	1	-1.00980	0.21488	22.0832	<.0001	0.364	0.235	0.546

## The PHREG Procedure

Model Information	
Data Set	SURV_ANA.ADDICTS
Dependent Variable	survt
Censoring Variable	status
Censoring Value(s)	0
Ties Handling	EFRON

Number of Observations Read	238
Number of Observations Used	238

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
238	150	88	36.97

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1411.079	1346.518
AIC	1411.079	1352.518
SBC	1411.079	1361.550

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	64.5603	3	<.0001
Score	56.3155	3	<.0001
Wald	54.1196	3	<.0001

Analysis of Maximum Likelihood Estimates								
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	
prison	1	0.32654	0.16722	3.8131	0.0509	1.386	0.997	1.923
dose	1	-0.03537	0.00638	30.7430	<.0001	0.965	0.953	0.977
clinic	1	-1.00979	0.21488	22.0830	<.0001	0.364	0.235	0.546

## The PHREG Procedure

Model Information	
Data Set	SURV_ANA.ADDICTS2
Dependent Variable	survt
Censoring Variable	status
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	238
Number of Observations Used	238

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
238	150	88	36.97

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1411.324	1343.199
AIC	1411.324	1353.199
SBC	1411.324	1368.253

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	68.1244	5	<.0001
Score	63.2916	5	<.0001
Wald	53.5779	5	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
prison	1	1.19200	0.54137	4.8480	0.0277	3.294
dose	1	-0.01932	0.01935	0.9967	0.3181	0.981
clinic	1	0.17469	0.89312	0.0383	0.8449	1.191
Clin_Pr	1	-0.73799	0.43149	2.9253	0.0872	0.478
Clin_Do	1	-0.01386	0.01433	0.9359	0.3333	0.986

## The PHREG Procedure

Contrast Test Results			
Contrast	DF	Wald Chi-Square	Pr > ChiSq
TEST INTERACTION	2	3.5803	0.1669

**The Likelihood Ratio Test (LRT) for both product terms in the model**

Obs	reduced	full	df	diff	P_value
1	-1346.81	-1343.20	2	3.606	0.16480