

Time to MACE curves**The LIFETEST Procedure****Summary of the Number of Censored and Uncensored Values**

<i>Stratum</i>	<i>DisGroup</i>	<i>Total</i>	<i>Failed</i>	<i>Censored</i>	<i>Percent Censored</i>
1	COMISA	1194	826	368	30.82
2	Control	224	205	19	8.48
3	Insomnia only	258	225	33	12.79
4	OSA only	1816	1388	428	23.57
<i>Total</i>		3492	2644	848	24.28

Note: 459 observations with invalid time, censoring, or strata values were deleted.

Time to MACE curves**The LIFETEST Procedure****Testing Homogeneity of Survival Curves for SDDtoMACEyr over Strata**

Rank Statistics		
DisGroup	Log-Rank	Wilcoxon
COMISA	-146.13	-250442
Control	47.22	120375
Insomnia only	17.79	50064
OSA only	81.12	80003

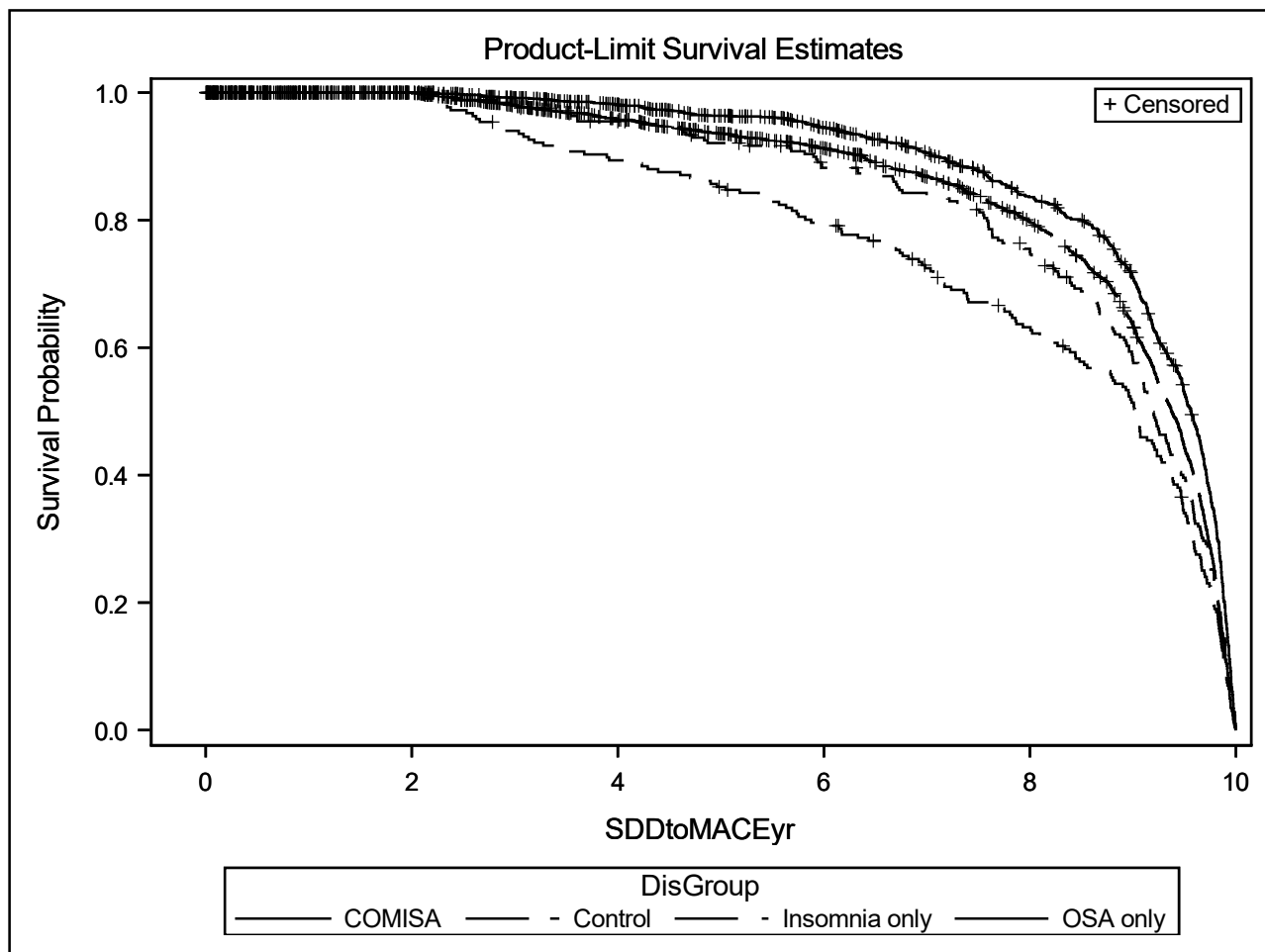
Covariance Matrix for the Log-Rank Statistics				
DisGroup	COMISA	Control	Insomnia only	OSA only
COMISA	599.921	-56.594	-74.777	-468.551
Control	-56.594	145.552	-12.210	-76.748
Insomnia only	-74.777	-12.210	186.879	-99.892
OSA only	-468.551	-76.748	-99.892	645.191

Covariance Matrix for the Wilcoxon Statistics				
DisGroup	COMISA	Control	Insomnia only	OSA only
COMISA	1.5258E9	-1.459E8	-1.818E8	-1.198E9
Control	-1.459E8	4.0161E8	-3.373E7	-2.219E8
Insomnia only	-1.818E8	-3.373E7	4.9184E8	-2.763E8
OSA only	-1.198E9	-2.219E8	-2.763E8	1.6963E9

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	43.6696	3	<.0001
Wilcoxon	67.4314	3	<.0001
-2Log(LR)	11.8083	3	0.0081

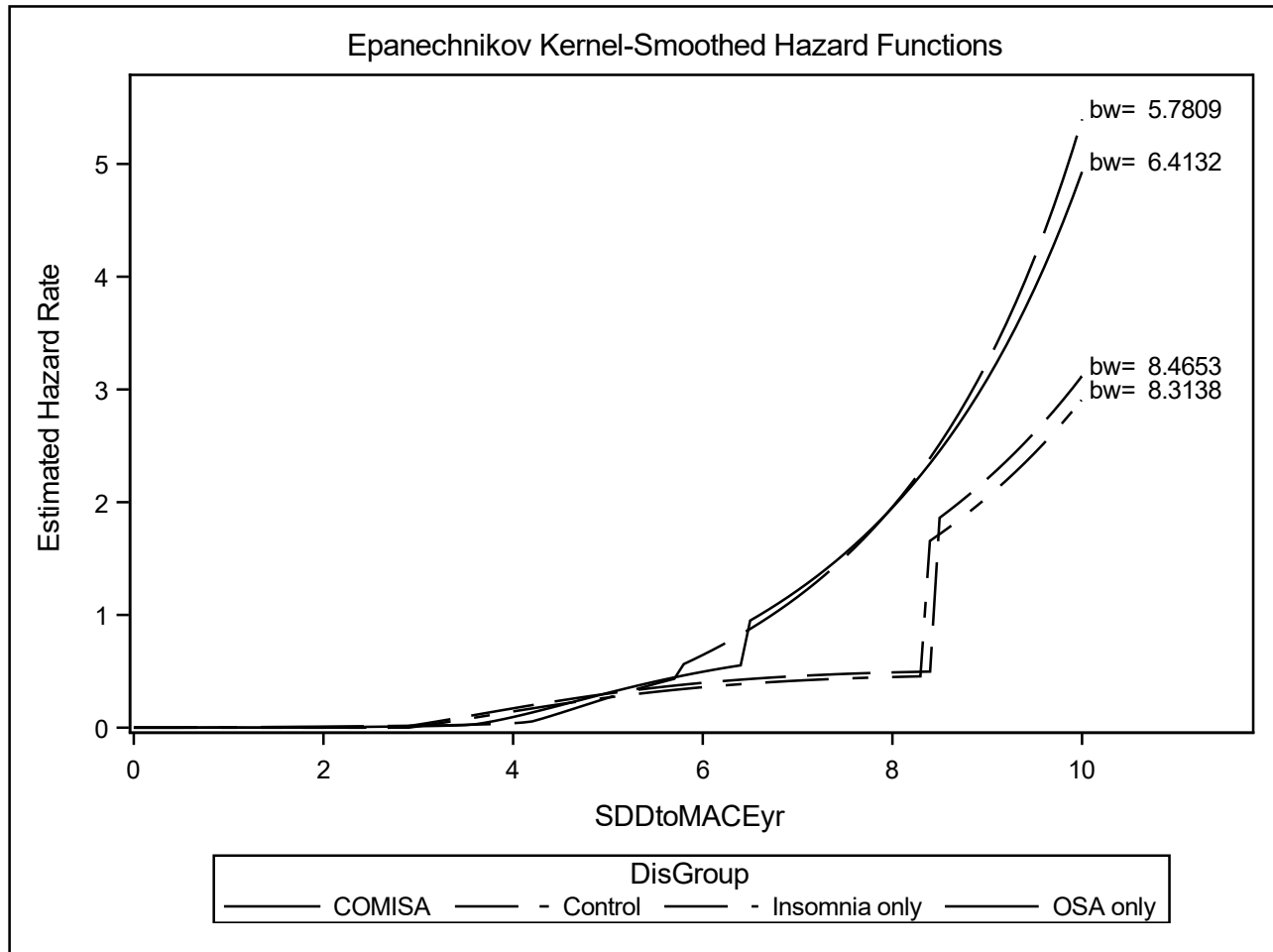
Time to MACE curves

The LIFETEST Procedure



Time to MACE curves

The LIFETEST Procedure



Time to Unstable Angina curves**The LIFETEST Procedure***Summary of the Number of Censored and Uncensored Values*

<i>Stratum</i>	<i>DisGroup</i>	<i>Total</i>	<i>Failed</i>	<i>Censored</i>	<i>Percent Censored</i>
1	COMISA	1194	1105	89	7.45
2	Control	224	220	4	1.79
3	Insomnia only	258	251	7	2.71
4	OSA only	1816	1759	57	3.14
<i>Total</i>		3492	3335	157	4.50

Note: 459 observations with invalid time, censoring, or strata values were deleted.

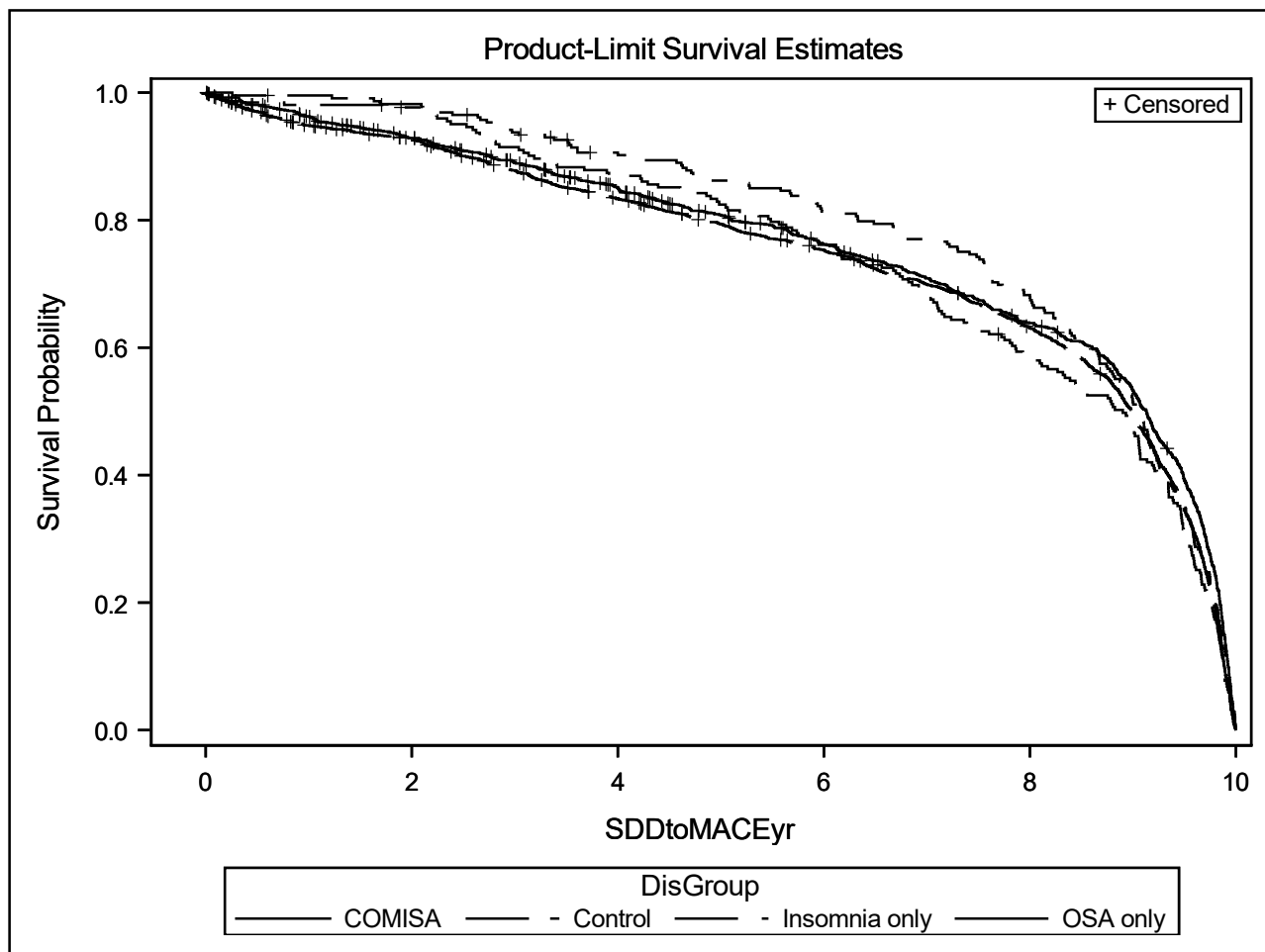
Time to Unstable Angina curves**The LIFETEST Procedure****Testing Homogeneity of Survival Curves for SDDtoMACEyr over Strata**

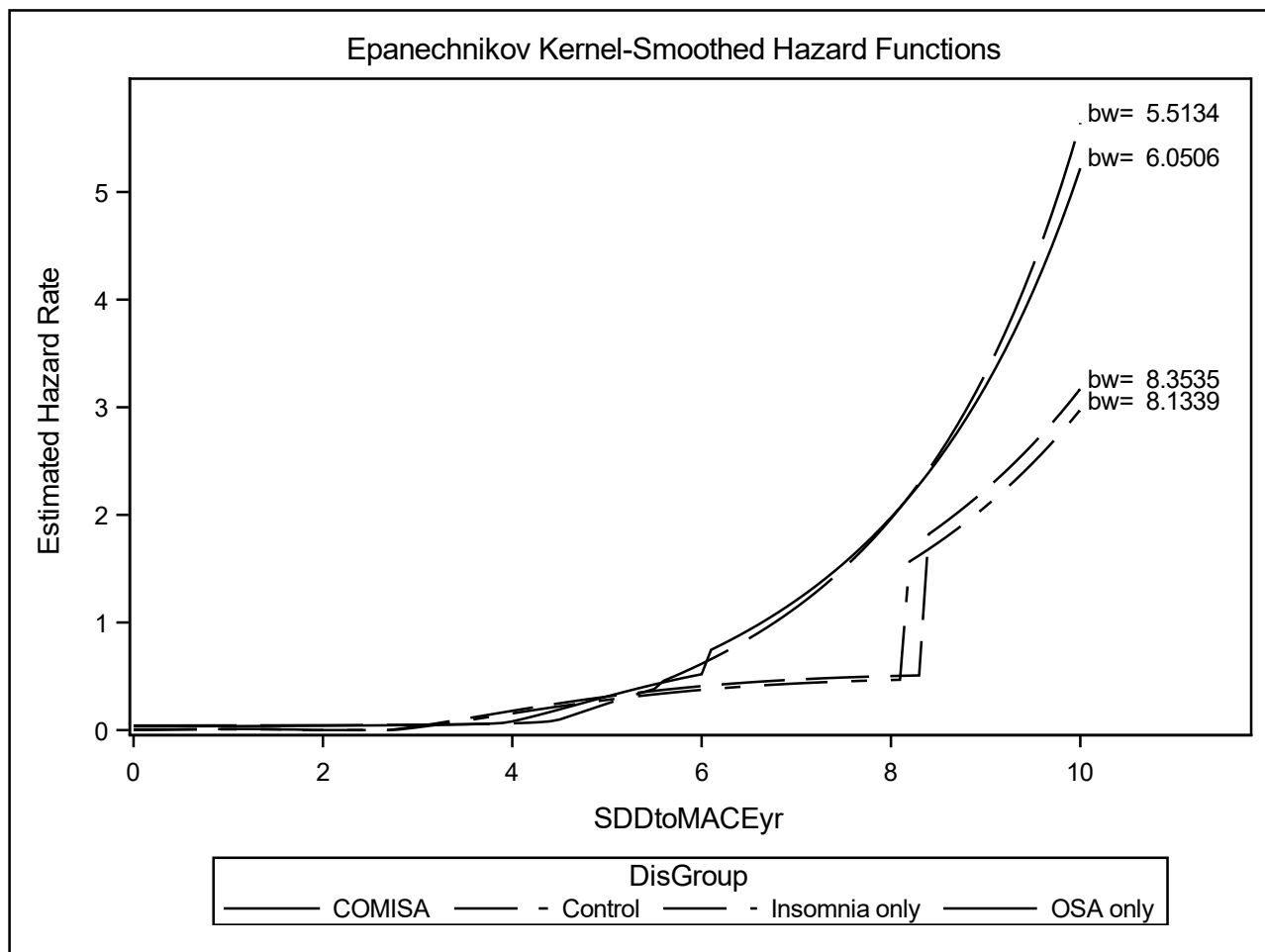
<i>Rank Statistics</i>		
<i>DisGroup</i>	<i>Log-Rank</i>	<i>Wilcoxon</i>
COMISA	-100.10	-129149
Control	16.49	27457
Insomnia only	-10.49	-33613
OSA only	94.11	135305

<i>Covariance Matrix for the Log-Rank Statistics</i>				
<i>DisGroup</i>	<i>COMISA</i>	<i>Control</i>	<i>Insomnia only</i>	<i>OSA only</i>
COMISA	754.286	-72.008	-93.064	-589.213
Control	-72.008	188.246	-15.802	-100.436
Insomnia only	-93.064	-15.802	236.875	-128.008
OSA only	-589.213	-100.436	-128.008	817.658

<i>Covariance Matrix for the Wilcoxon Statistics</i>				
<i>DisGroup</i>	<i>COMISA</i>	<i>Control</i>	<i>Insomnia only</i>	<i>OSA only</i>
COMISA	2.8595E9	-2.797E8	-3.39E8	-2.241E9
Control	-2.797E8	7.714E8	-6.467E7	-4.27E8
Insomnia only	-3.39E8	-6.467E7	9.2114E8	-5.174E8
OSA only	-2.241E9	-4.27E8	-5.174E8	3.1852E9

<i>Test of Equality over Strata</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > Chi-Square</i>
Log-Rank	15.7094	3	0.0013
Wilcoxon	8.6705	3	0.0340
-2Log(LR)	1.4473	3	0.6945

Time to Unstable Angina curves**The LIFETEST Procedure**

Time to Unstable Angina curves**The LIFETEST Procedure**

Time to Myocardial Infarction curves**The LIFETEST Procedure***Summary of the Number of Censored and Uncensored Values*

<i>Stratum</i>	<i>DisGroup</i>	<i>Total</i>	<i>Failed</i>	<i>Censored</i>	<i>Percent Censored</i>
1	COMISA	1194	1120	74	6.20
2	Control	224	221	3	1.34
3	Insomnia only	258	257	1	0.39
4	OSA only	1816	1745	71	3.91
<i>Total</i>		3492	3343	149	4.27

Note: 459 observations with invalid time, censoring, or strata values were deleted.

Time to Myocardial Infarction curves**The LIFETEST Procedure****Testing Homogeneity of Survival Curves for SDDtoMACEyr over Strata**

<i>Rank Statistics</i>		
<i>DisGroup</i>	<i>Log-Rank</i>	<i>Wilcoxon</i>
COMISA	-87.680	-96447
Control	16.898	28687
Insomnia only	-5.206	-17011
OSA only	75.988	84771

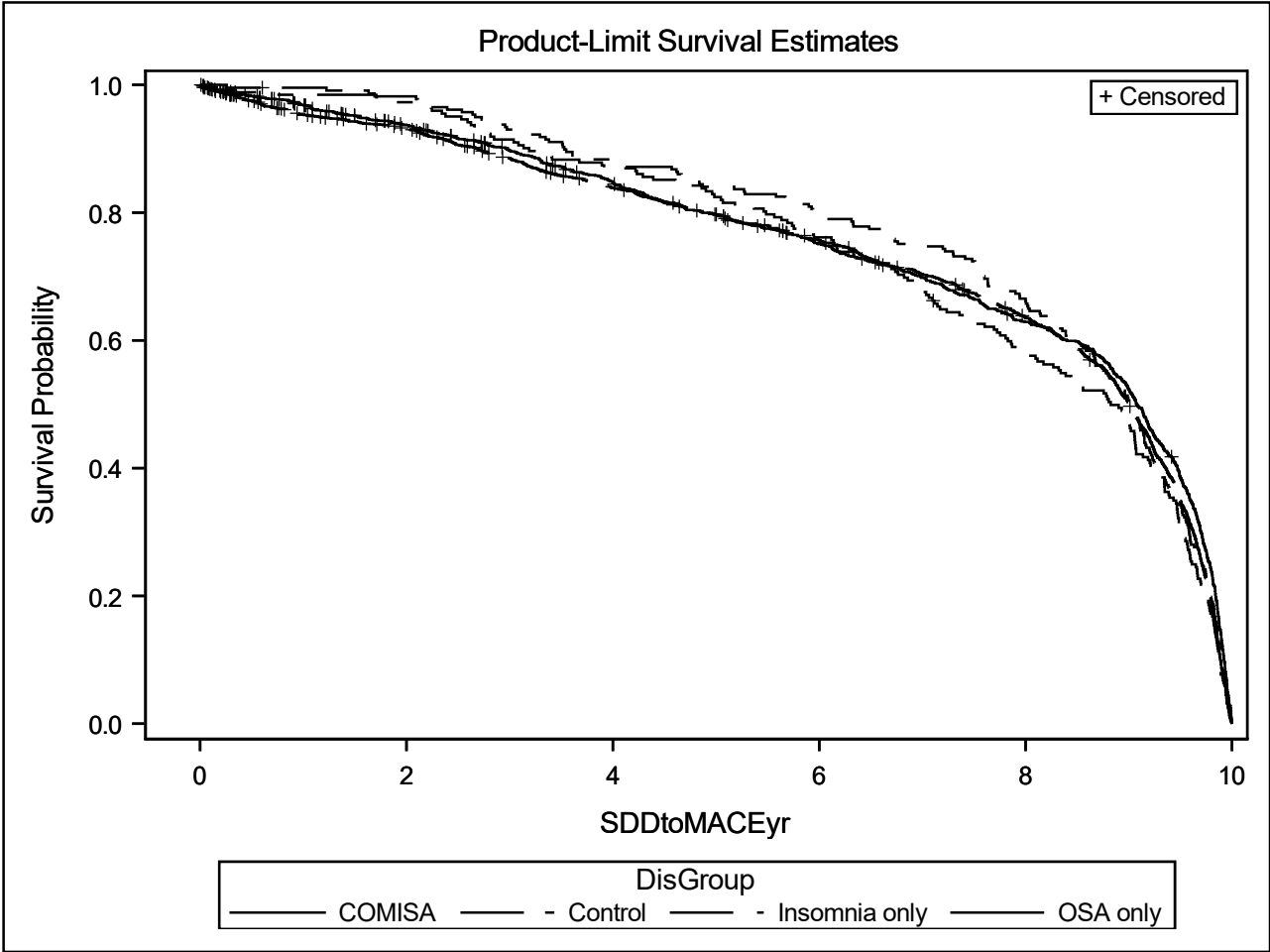
<i>Covariance Matrix for the Log-Rank Statistics</i>				
<i>DisGroup</i>	<i>COMISA</i>	<i>Control</i>	<i>Insomnia only</i>	<i>OSA only</i>
COMISA	756.033	-72.199	-93.296	-590.538
Control	-72.199	188.791	-15.854	-100.739
Insomnia only	-93.296	-15.854	237.526	-128.376
OSA only	-590.538	-100.739	-128.376	819.653

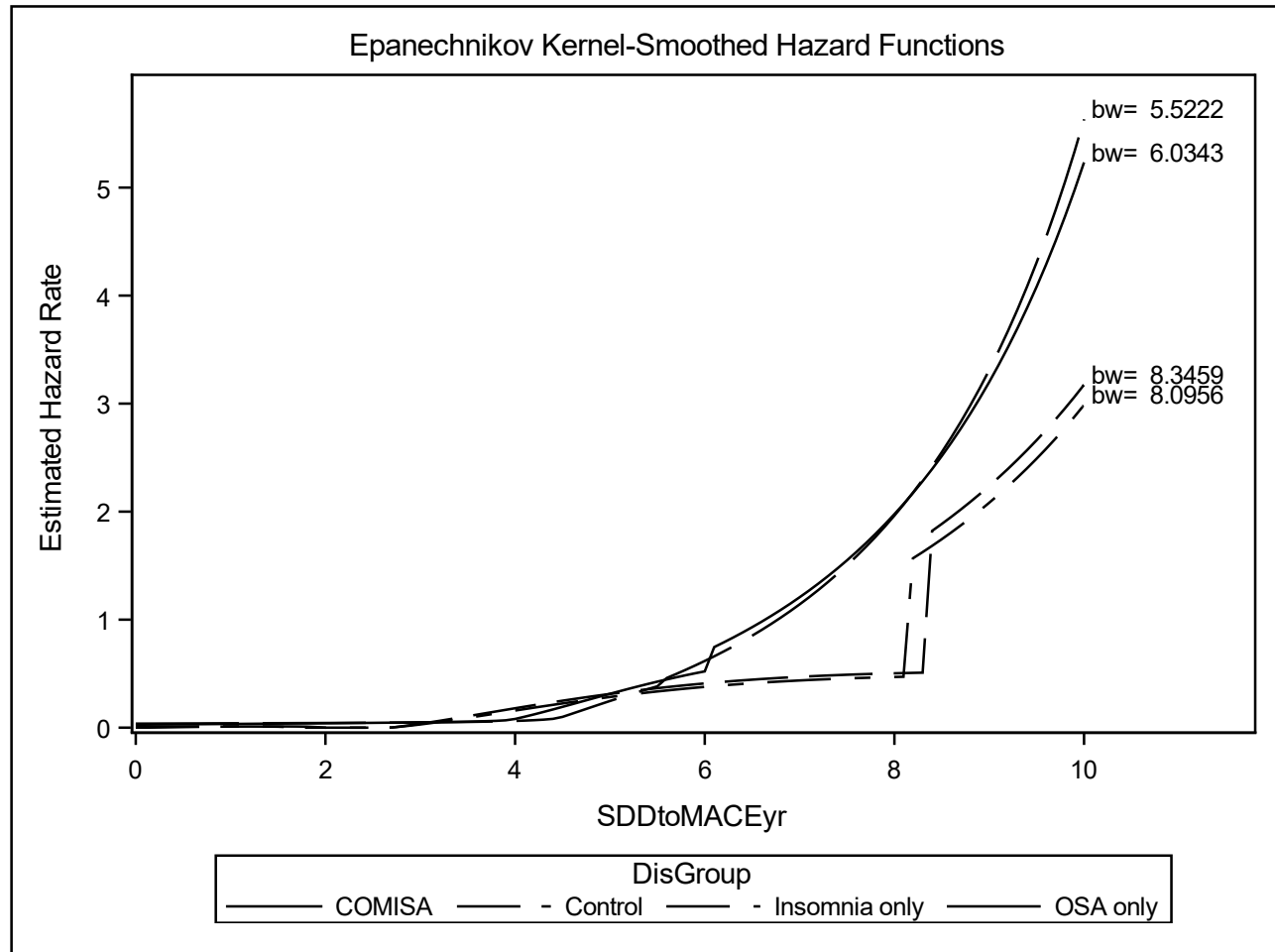
<i>Covariance Matrix for the Wilcoxon Statistics</i>				
<i>DisGroup</i>	<i>COMISA</i>	<i>Control</i>	<i>Insomnia only</i>	<i>OSA only</i>
COMISA	2.8602E9	-2.799E8	-3.394E8	-2.241E9
Control	-2.799E8	7.7216E8	-6.48E7	-4.274E8
Insomnia only	-3.394E8	-6.48E7	9.2231E8	-5.181E8
OSA only	-2.241E9	-4.274E8	-5.181E8	3.1864E9

<i>Test of Equality over Strata</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > Chi-Square</i>
Log-Rank	11.5606	3	0.0091
Wilcoxon	4.5228	3	0.2103
-2Log(LR)	0.3124	3	0.9577

Time to Myocardial Infarction curves

The LIFETEST Procedure



Time to Myocardial Infarction curves**The LIFETEST Procedure**

Time to Congestive Heart Failure curves**The LIFETEST Procedure**

Summary of the Number of Censored and Uncensored Values

<i>Stratum</i>	<i>DisGroup</i>	<i>Total</i>	<i>Failed</i>	<i>Censored</i>	<i>Percent Censored</i>
1	COMISA	1194	1021	173	14.49
2	Control	224	217	7	3.13
3	Insomnia only	258	249	9	3.49
4	OSA only	1816	1652	164	9.03
<i>Total</i>		3492	3139	353	10.11

Note: 459 observations with invalid time, censoring, or strata values were deleted.

Time to Congestive Heart Failure curves**The LIFETEST Procedure****Testing Homogeneity of Survival Curves for SDDtoMACEyr over Strata**

<i>Rank Statistics</i>		
<i>DisGroup</i>	<i>Log-Rank</i>	<i>Wilcoxon</i>
COMISA	-117.91	-171706
Control	26.41	54570
Insomnia only	2.85	7247
OSA only	88.66	109889

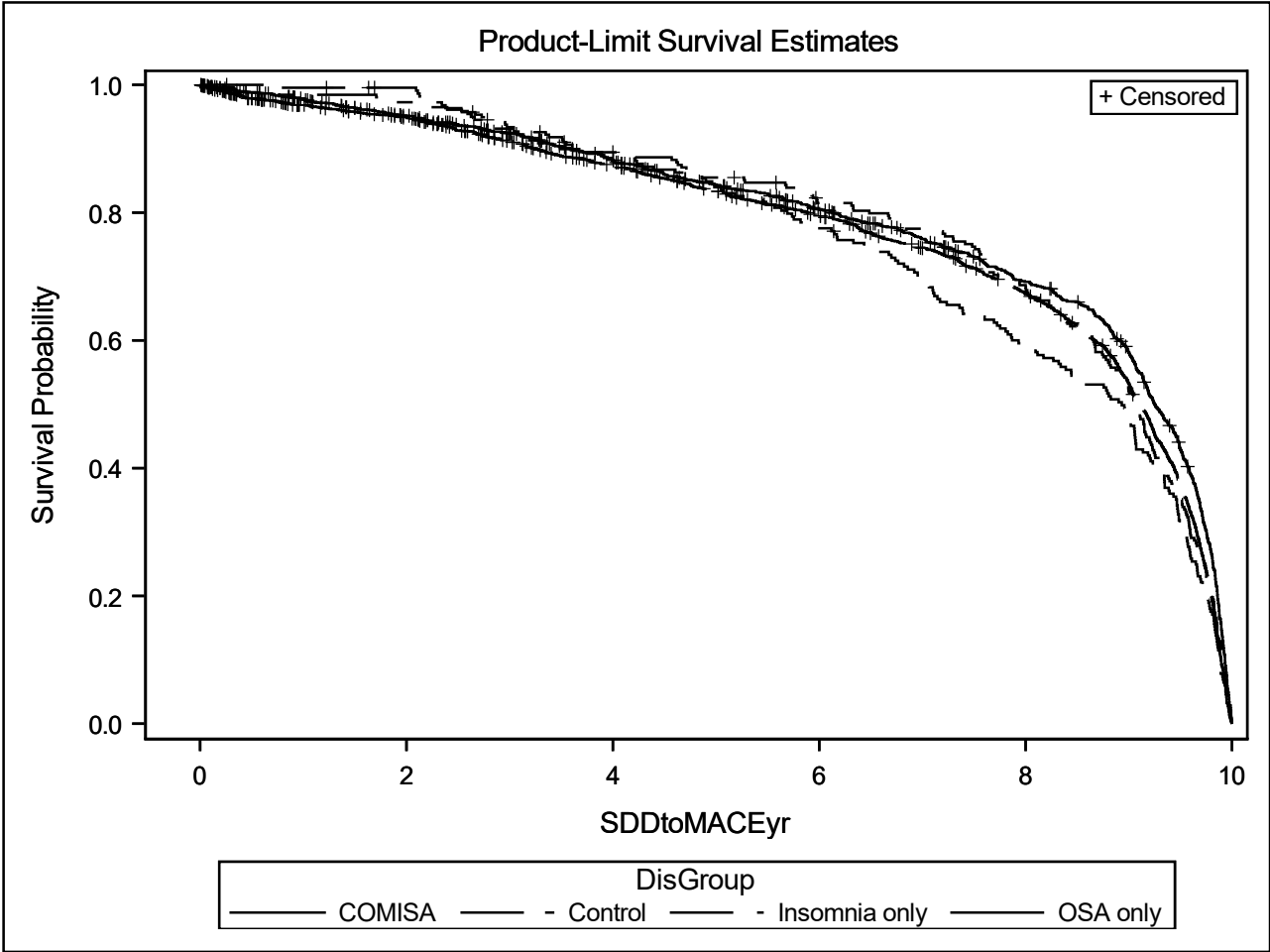
<i>Covariance Matrix for the Log-Rank Statistics</i>				
<i>DisGroup</i>	<i>COMISA</i>	<i>Control</i>	<i>Insomnia only</i>	<i>OSA only</i>
COMISA	710.476	-67.647	-87.889	-554.940
Control	-67.647	176.181	-14.791	-93.743
Insomnia only	-87.889	-14.791	222.745	-120.065
OSA only	-554.940	-93.743	-120.065	768.748

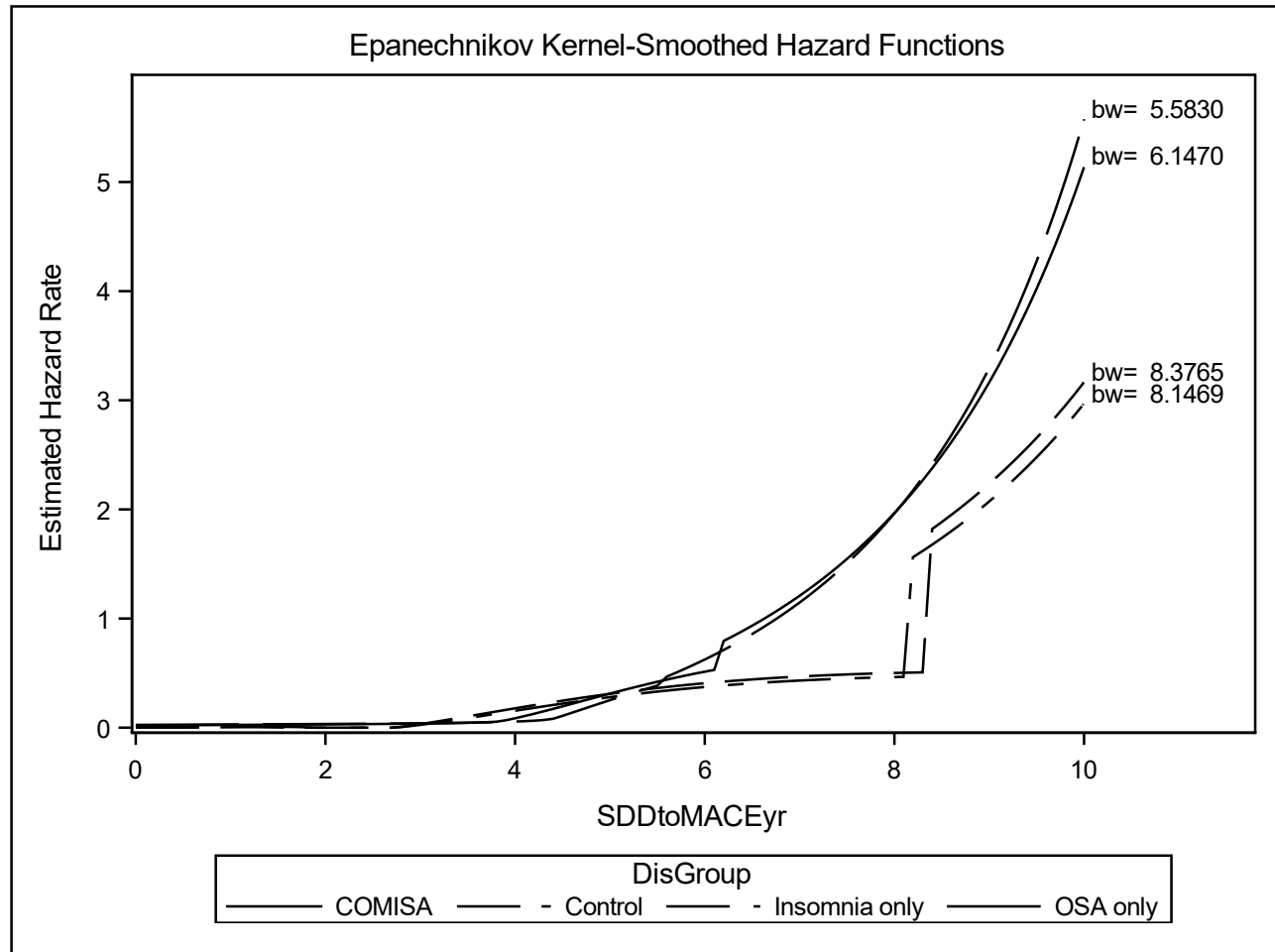
<i>Covariance Matrix for the Wilcoxon Statistics</i>				
<i>DisGroup</i>	<i>COMISA</i>	<i>Control</i>	<i>Insomnia only</i>	<i>OSA only</i>
COMISA	2.4745E9	-2.412E8	-2.938E8	-1.939E9
Control	-2.412E8	6.6503E8	-5.581E7	-3.68E8
Insomnia only	-2.938E8	-5.581E7	7.9779E8	-4.482E8
OSA only	-1.939E9	-3.68E8	-4.482E8	2.7557E9

<i>Test of Equality over Strata</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > Chi-Square</i>
Log-Rank	21.3754	3	<.0001
Wilcoxon	14.2347	3	0.0026
-2Log(LR)	2.3156	3	0.5095

Time to Congestive Heart Failure curves

The LIFETEST Procedure



Time to Congestive Heart Failure curves**The LIFETEST Procedure**

Time to Stroke curves**The LIFETEST Procedure***Summary of the Number of Censored and Uncensored Values*

<i>Stratum</i>	<i>DisGroup</i>	<i>Total</i>	<i>Failed</i>	<i>Censored</i>	<i>Percent Censored</i>
1	COMISA	1194	991	203	17.00
2	Control	224	213	11	4.91
3	Insomnia only	258	237	21	8.14
4	OSA only	1816	1539	277	15.25
<i>Total</i>		3492	2980	512	14.66

Note: 459 observations with invalid time, censoring, or strata values were deleted.

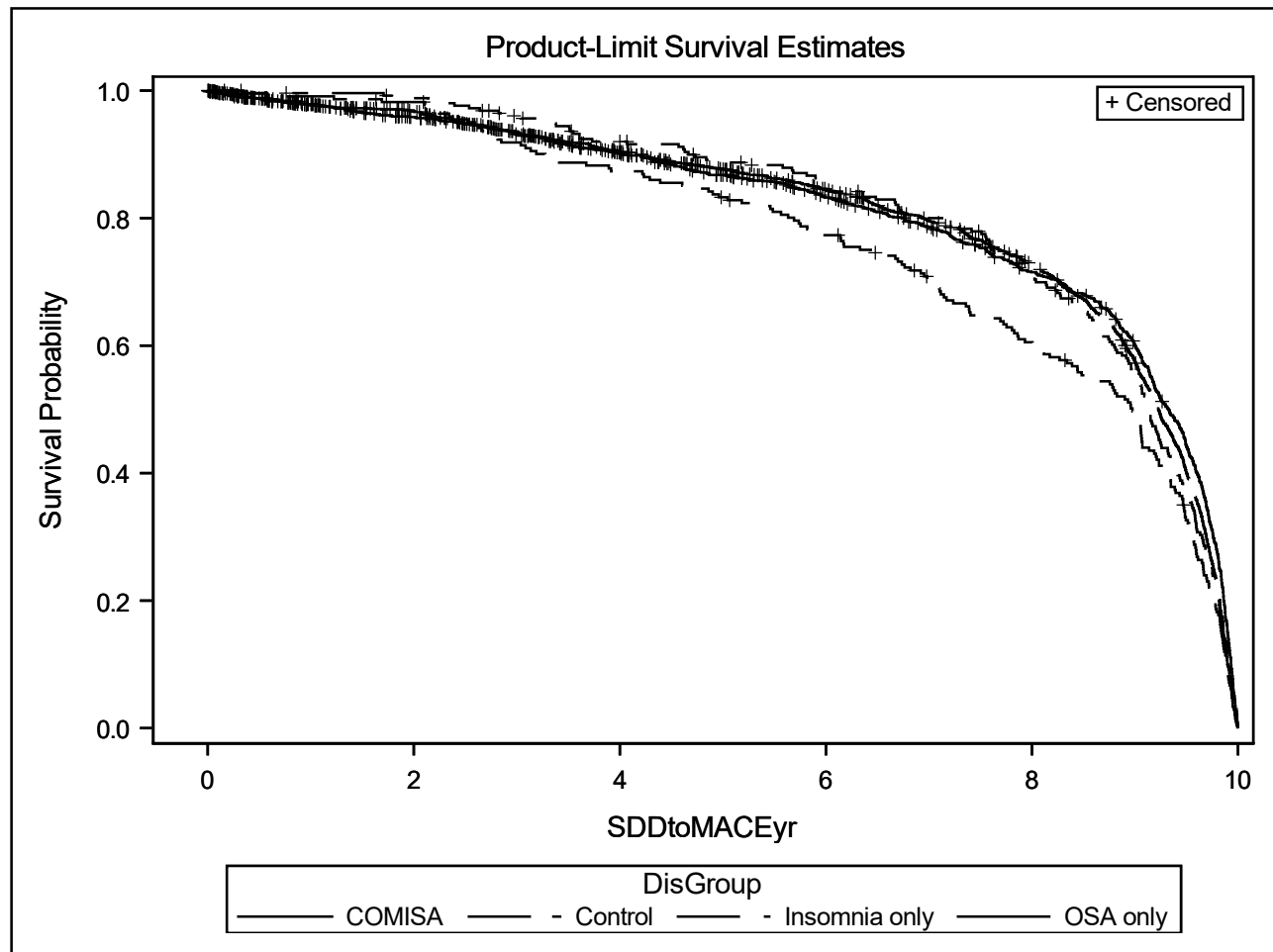
Time to Stroke curves**The LIFETEST Procedure****Testing Homogeneity of Survival Curves for SDDtoMACEyr over Strata**

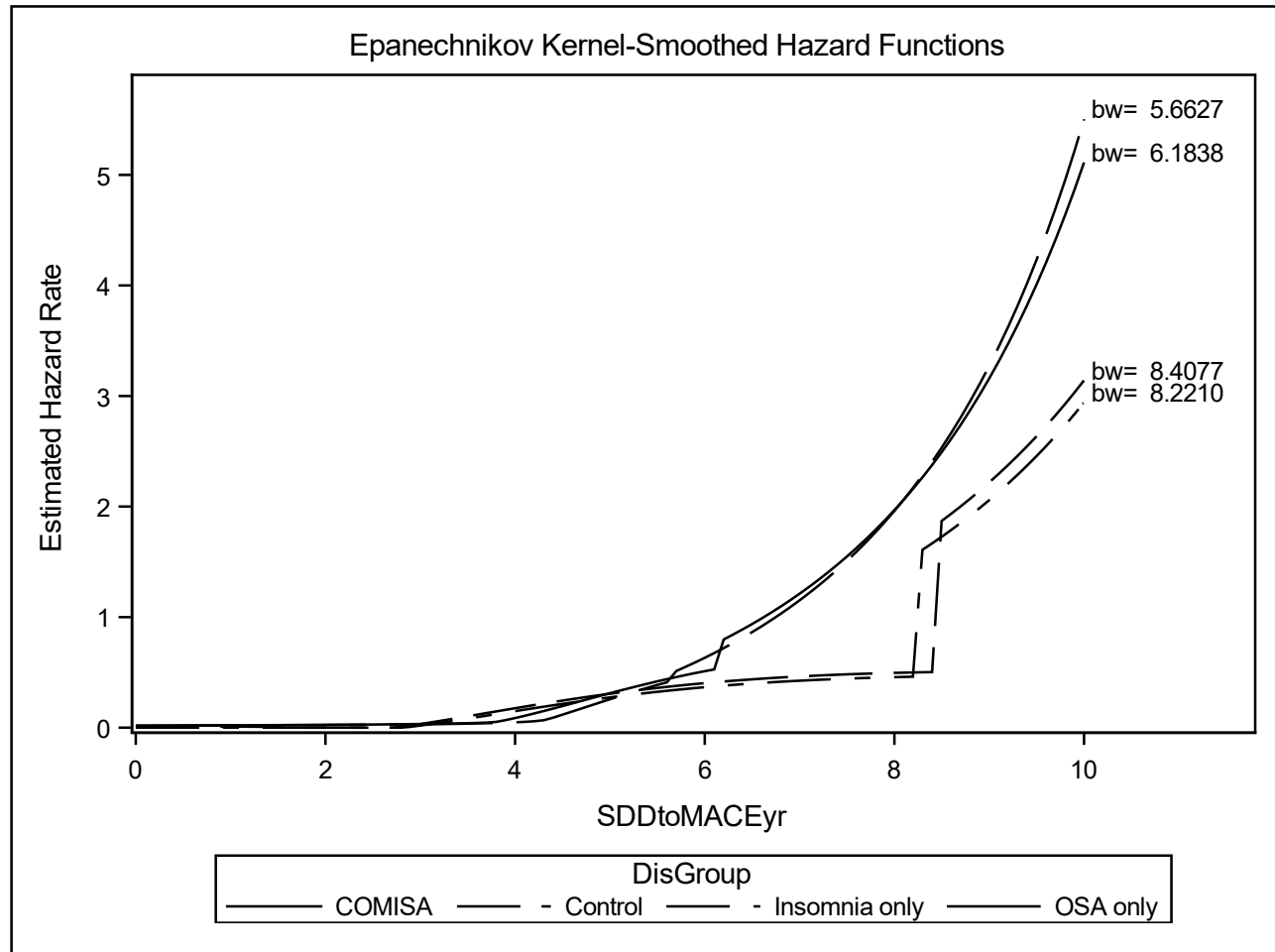
<i>Rank Statistics</i>		
<i>DisGroup</i>	<i>Log-Rank</i>	<i>Wilcoxon</i>
COMISA	-94.509	-110347
Control	33.017	79360
Insomnia only	3.414	9031
OSA only	58.078	21956

<i>Covariance Matrix for the Log-Rank Statistics</i>				
<i>DisGroup</i>	<i>COMISA</i>	<i>Control</i>	<i>Insomnia only</i>	<i>OSA only</i>
COMISA	675.010	-64.084	-83.669	-527.257
Control	-64.084	166.283	-13.953	-88.246
Insomnia only	-83.669	-13.953	211.172	-113.550
OSA only	-527.257	-88.246	-113.550	729.053

<i>Covariance Matrix for the Wilcoxon Statistics</i>				
<i>DisGroup</i>	<i>COMISA</i>	<i>Control</i>	<i>Insomnia only</i>	<i>OSA only</i>
COMISA	2.1713E9	-2.107E8	-2.579E8	-1.703E9
Control	-2.107E8	5.8048E8	-4.869E7	-3.211E8
Insomnia only	-2.579E8	-4.869E7	6.9953E8	-3.929E8
OSA only	-1.703E9	-3.211E8	-3.929E8	2.4168E9

<i>Test of Equality over Strata</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > Chi-Square</i>
Log-Rank	16.9681	3	0.0007
Wilcoxon	14.0613	3	0.0028
-2Log(LR)	1.6943	3	0.6382

Time to Stroke curves**The LIFETEST Procedure**

Time to Stroke curves**The LIFETEST Procedure**

Time to MACE models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MACE_Max
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	3951
Number of Observations Used	3492

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	848	2644	75.72

Convergence Status

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

Model Fit Statistics

Criterion	Without Covariates	With Covariates
-2 LOG L	13512.632	13425.665
AIC	13512.632	13433.665
SBC	13512.632	13452.637

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	86.9661	4	<.0001
Score	74.9004	4	<.0001
Wald	70.1646	4	<.0001

Time to MACE models**The PHREG Procedure**

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	55.4651	<.0001
<i>YRinter_Max</i>	1	10.1279	0.0015

Analysis of Maximum Likelihood Estimates

<i>Parameter</i>	<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>	<i>Hazard Ratio</i>	<i>95% Hazard Ratio Profile Likelihood Confidence Limits</i>	<i>Label</i>
<i>DisGroup</i> <i>COMISA</i>	1	1.27988	0.23577	29.4676	<.0001	3.596	2.333 5.910	DisGroup COMISA
<i>DisGroup</i> <i>Insomnia only</i>	1	0.35458	0.28808	1.5150	0.2184	1.426	0.819 2.553	DisGroup Insomnia only
<i>DisGroup</i> <i>OSA only</i>	1	1.01778	0.23471	18.8041	<.0001	2.767	1.799 4.539	DisGroup OSA only
<i>YRinter_Max</i>	1	0.09509	0.02988	10.1279	0.0015	1.100	1.039 1.168	

Time to MACE models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MACE_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	848	2644	75.72

Convergence Status

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

Time to MACE models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	13512.632	12941.953
AIC	13512.632	12963.953
SBC	13512.632	13016.125

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	570.6786	11	<.0001
<i>Score</i>	530.5659	11	<.0001
<i>Wald</i>	504.1240	11	<.0001

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	22.1306	<.0001
<i>Age_Max</i>	1	373.3620	<.0001
<i>GENDER</i>	1	2.6128	0.1060
<i>RacEth3</i>	2	34.0034	<.0001
<i>PARTNERED</i>	3	8.5955	0.0352
<i>YRinter_Max</i>	1	0.0088	0.9254

Time to MACE models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.71236	0.23714	9.0235	0.0027
DisGroup	Insomnia only	1	0.24634	0.28847	0.7292	0.3931
DisGroup	OSA only	1	0.45255	0.23657	3.6595	0.0558
Age_Max		1	0.05721	0.00296	373.3620	<.0001
GENDER	MALE	1	0.11743	0.07265	2.6128	0.1060
RacEth3	BLACK, NON-HISP	1	0.64826	0.11121	33.9778	<.0001
RacEth3	Other	1	0.11334	0.14186	0.6384	0.4243
PARTNERED	OTHER OR UNKNOWN	1	-0.28482	0.45183	0.3974	0.5285
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.25553	0.09037	7.9960	0.0047
PARTNERED	SINGLE	1	0.07534	0.09763	0.5955	0.4403
YRinter_Max		1	-0.00278	0.02970	0.0088	0.9254

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	Label
DisGroup	COMISA	2.039	DisGroup COMISA
DisGroup	Insomnia only	1.279	DisGroup Insomnia only
DisGroup	OSA only	1.572	DisGroup OSA only
Age_Max		1.059	
GENDER	MALE	1.125	GENDER MALE
RacEth3	BLACK, NON-HISP	1.912	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.120	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.752	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.291	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.078	PARTNERED SINGLE
YRinter_Max		0.997	

Time to MACE models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MACE_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	848	2644	75.72

Convergence Status

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

Time to MACE models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	13512.632	12936.124
AIC	13512.632	12964.124
SBC	13512.632	13030.524

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	576.5076	14	<.0001
<i>Score</i>	533.5295	14	<.0001
<i>Wald</i>	501.1560	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	9.1465	0.0274
<i>Age_Max</i>	1	371.3473	<.0001
<i>GENDER</i>	1	2.7096	0.0997
<i>RacEth3</i>	2	34.1739	<.0001
<i>PARTNERED</i>	3	8.9290	0.0302
<i>YRinter_Max</i>	1	0.0273	0.8686
<i>DisGroup*GENDER</i>	3	3.4870	0.3224

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to MACE models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	
DisGroup	COMISA	1	0.44919	0.24678	3.3132	0.0687	
DisGroup	Insomnia only	1	-0.00111	0.31812	0.0000	0.9972	
DisGroup	OSA only	1	0.22681	0.24702	0.8430	0.3585	
Age_Max		1	0.05705	0.00296	371.3473	<.0001	
GENDER	MALE	1	-1.69083	1.02718	2.7096	0.0997	
RacEth3	BLACK,NON-HISP	1	0.64990	0.11121	34.1483	<.0001	
RacEth3	Other	1	0.11315	0.14189	0.6360	0.4252	
PARTNERED	OTHER OR UNKNOWN	1	-0.28289	0.45174	0.3921	0.5312	
PARTNERED	SEPARATED,DIVORCED,WIDOWED	1	0.26087	0.09040	8.3281	0.0039	
PARTNERED	SINGLE	1	0.07802	0.09765	0.6383	0.4243	
YRinter_Max		1	-0.00492	0.02974	0.0273	0.8686	
DisGroup*GENDER	COMISA	MALE	1	1.87236	1.03256	3.2881	0.0698
DisGroup*GENDER	Insomnia only	MALE	1	1.83988	1.09155	2.8412	0.0919
DisGroup*GENDER	OSA only	MALE	1	1.78983	1.03181	3.0090	0.0828

Time to MACE models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.059	1.053	1.065	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	1.915	1.532	2.370	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.120	0.838	1.464	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.754	0.268	1.638	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.298	1.085	1.547	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.081	0.890	1.306	PARTNERED SINGLE
YRinter_Max		0.995	0.940	1.057	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At GENDER=FEMALE	1.567	0.966	2.542
DisGroup COMISA vs Insomnia only At GENDER=FEMALE	1.569	1.009	2.438
DisGroup COMISA vs OSA only At GENDER=FEMALE	1.249	1.027	1.519
DisGroup Control vs Insomnia only At GENDER=FEMALE	1.001	0.537	1.868
DisGroup Control vs OSA only At GENDER=FEMALE	0.797	0.491	1.293
DisGroup Insomnia only vs OSA only At GENDER=FEMALE	0.796	0.512	1.238
DisGroup COMISA vs Control At GENDER=MALE	10.191	1.426	72.843
DisGroup COMISA vs Insomnia only At GENDER=MALE	1.621	0.878	2.991
DisGroup COMISA vs OSA only At GENDER=MALE	1.356	1.108	1.660
DisGroup Control vs Insomnia only At GENDER=MALE	0.159	0.021	1.231
DisGroup Control vs OSA only At GENDER=MALE	0.133	0.019	0.949
DisGroup Insomnia only vs OSA only At GENDER=MALE	0.837	0.456	1.536

Time to MACE models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MACE_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	848	2644	75.72

Convergence Status

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

Time to MACE models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	13512.632	12933.204
AIC	13512.632	12961.204
SBC	13512.632	13027.604

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	579.4279	14	<.0001
<i>Score</i>	546.6203	14	<.0001
<i>Wald</i>	488.2096	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	14.2216	0.0026
<i>Age_Max</i>	1	23.6293	<.0001
<i>GENDER</i>	1	2.8045	0.0940
<i>RacEth3</i>	2	35.6065	<.0001
<i>PARTNERED</i>	3	8.3789	0.0388
<i>YRinter_Max</i>	1	0.0291	0.8645
<i>Age_Max*DisGroup</i>	3	8.7602	0.0327

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to MACE models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	2.30008	1.01912	5.0938	0.0240
DisGroup	Insomnia only	1	1.07628	1.25678	0.7334	0.3918
DisGroup	OSA only	1	0.95367	1.01929	0.8754	0.3495
Age_Max		1	0.07319	0.01506	23.6293	<.0001
GENDER	MALE	1	0.12188	0.07278	2.8045	0.0940
RacEth3	BLACK, NON-HISP	1	0.66347	0.11132	35.5218	<.0001
RacEth3	Other	1	0.13613	0.14209	0.9178	0.3380
PARTNERED	OTHER OR UNKNOWN	1	-0.29792	0.45169	0.4350	0.5095
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.25137	0.09036	7.7382	0.0054
PARTNERED	SINGLE	1	0.07445	0.09787	0.5787	0.4468
YRinter_Max		1	-0.00506	0.02965	0.0291	0.8645
Age_Max*DisGroup	COMISA	1	-0.02485	0.01556	2.5500	0.1103
Age_Max*DisGroup	Insomnia only	1	-0.01350	0.01934	0.4871	0.4852
Age_Max*DisGroup	OSA only	1	-0.00894	0.01554	0.3311	0.5650

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	Label
DisGroup	COMISA	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	DisGroup OSA only
Age_Max		.	.	
GENDER	MALE	1.130	0.979 1.303	GENDER MALE
RacEth3	BLACK, NON-HISP	1.942	1.553 2.403	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.146	0.857 1.498	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.742	0.264 1.614	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.286	1.075 1.532	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.077	0.887 1.302	PARTNERED SINGLE
YRinter_Max		0.995	0.940 1.056	
Age_Max*DisGroup	COMISA	.	.	DisGroup COMISA * Age_Max
Age_Max*DisGroup	Insomnia only	.	.	DisGroup Insomnia only * Age_Max
Age_Max*DisGroup	OSA only	.	.	DisGroup OSA only * Age_Max

Time to MACE models**The PHREG Procedure**

<i>Hazard Ratios for DisGroup</i>			
<i>Description</i>	<i>Point Estimate</i>	<i>95% Wald Confidence Limits</i>	
<i>DisGroup COMISA vs Control At Age_Max=49</i>	2.952	1.549	5.626
<i>DisGroup COMISA vs Insomnia only At Age_Max=49</i>	1.950	1.170	3.248
<i>DisGroup COMISA vs OSA only At Age_Max=49</i>	1.763	1.359	2.287
<i>DisGroup Control vs Insomnia only At Age_Max=49</i>	0.660	0.302	1.443
<i>DisGroup Control vs OSA only At Age_Max=49</i>	0.597	0.313	1.140
<i>DisGroup Insomnia only vs OSA only At Age_Max=49</i>	0.904	0.541	1.512
<i>DisGroup COMISA vs Control At Age_Max=61</i>	2.191	1.369	3.508
<i>DisGroup COMISA vs Insomnia only At Age_Max=61</i>	1.701	1.183	2.447
<i>DisGroup COMISA vs OSA only At Age_Max=61</i>	1.457	1.237	1.715
<i>DisGroup Control vs Insomnia only At Age_Max=61</i>	0.777	0.438	1.375
<i>DisGroup Control vs OSA only At Age_Max=61</i>	0.665	0.415	1.065
<i>DisGroup Insomnia only vs OSA only At Age_Max=61</i>	0.856	0.594	1.233
<i>DisGroup COMISA vs Control At Age_Max=71</i>	1.709	1.022	2.857
<i>DisGroup COMISA vs Insomnia only At Age_Max=71</i>	1.519	1.011	2.281
<i>DisGroup COMISA vs OSA only At Age_Max=71</i>	1.242	1.075	1.436
<i>DisGroup Control vs Insomnia only At Age_Max=71</i>	0.889	0.470	1.680
<i>DisGroup Control vs OSA only At Age_Max=71</i>	0.727	0.435	1.214
<i>DisGroup Insomnia only vs OSA only At Age_Max=71</i>	0.818	0.546	1.226

Time to MACE models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MACE_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	848	2644	75.72

Convergence Status

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

Time to MACE models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	13512.632	12936.124
AIC	13512.632	12964.124
SBC	13512.632	13030.524

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	576.5076	14	<.0001
<i>Score</i>	533.5295	14	<.0001
<i>Wald</i>	501.1560	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	9.1465	0.0274
<i>Age_Max</i>	1	371.3473	<.0001
<i>GENDER</i>	1	2.7096	0.0997
<i>RacEth3</i>	2	34.1739	<.0001
<i>PARTNERED</i>	3	8.9290	0.0302
<i>YRinter_Max</i>	1	0.0273	0.8686
<i>DisGroup*GENDER</i>	3	3.4870	0.3224

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to MACE models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	
DisGroup	COMISA	1	0.44919	0.24678	3.3132	0.0687	
DisGroup	Insomnia only	1	-0.00111	0.31812	0.0000	0.9972	
DisGroup	OSA only	1	0.22681	0.24702	0.8430	0.3585	
Age_Max		1	0.05705	0.00296	371.3473	<.0001	
GENDER	MALE	1	-1.69083	1.02718	2.7096	0.0997	
RacEth3	BLACK,NON-HISP	1	0.64990	0.11121	34.1483	<.0001	
RacEth3	Other	1	0.11315	0.14189	0.6360	0.4252	
PARTNERED	OTHER OR UNKNOWN	1	-0.28289	0.45174	0.3921	0.5312	
PARTNERED	SEPARATED,DIVORCED,WIDOWED	1	0.26087	0.09040	8.3281	0.0039	
PARTNERED	SINGLE	1	0.07802	0.09765	0.6383	0.4243	
YRinter_Max		1	-0.00492	0.02974	0.0273	0.8686	
DisGroup*GENDER	COMISA	MALE	1	1.87236	1.03256	3.2881	0.0698
DisGroup*GENDER	Insomnia only	MALE	1	1.83988	1.09155	2.8412	0.0919
DisGroup*GENDER	OSA only	MALE	1	1.78983	1.03181	3.0090	0.0828

Time to MACE models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.059	1.053	1.065	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	1.915	1.532	2.370	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.120	0.838	1.464	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.754	0.268	1.638	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.298	1.085	1.547	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.081	0.890	1.306	PARTNERED SINGLE
YRinter_Max		0.995	0.940	1.057	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.567	0.966	2.542
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.569	1.009	2.438
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.249	1.027	1.519
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.001	0.537	1.868
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.797	0.491	1.293
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.796	0.512	1.238
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=MALE	10.191	1.426	72.843
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	1.621	0.878	2.991
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	1.356	1.108	1.660
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.159	0.021	1.231
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.133	0.019	0.949
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.837	0.456	1.536
DisGroup COMISA vs Control At RacEth3=Other GENDER=FEMALE	1.567	0.966	2.542
DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=FEMALE	1.569	1.009	2.438
DisGroup COMISA vs OSA only At RacEth3=Other GENDER=FEMALE	1.249	1.027	1.519

Time to MACE models**The PHREG Procedure***Hazard Ratios for DisGroup*

<i>Description</i>	<i>Point Estimate</i>	<i>95% Wald Confidence Limits</i>	
<i>DisGroup Control vs Insomnia only At RacEth3=Other GENDER=FEMALE</i>	1.001	0.537	1.868
<i>DisGroup Control vs OSA only At RacEth3=Other GENDER=FEMALE</i>	0.797	0.491	1.293
<i>DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=FEMALE</i>	0.796	0.512	1.238
<i>DisGroup COMISA vs Control At RacEth3=Other GENDER=MALE</i>	10.191	1.426	72.843
<i>DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=MALE</i>	1.621	0.878	2.991
<i>DisGroup COMISA vs OSA only At RacEth3=Other GENDER=MALE</i>	1.356	1.108	1.660
<i>DisGroup Control vs Insomnia only At RacEth3=Other GENDER=MALE</i>	0.159	0.021	1.231
<i>DisGroup Control vs OSA only At RacEth3=Other GENDER=MALE</i>	0.133	0.019	0.949
<i>DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=MALE</i>	0.837	0.456	1.536
<i>DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	1.567	0.966	2.542
<i>DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	1.569	1.009	2.438
<i>DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	1.249	1.027	1.519
<i>DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	1.001	0.537	1.868
<i>DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	0.797	0.491	1.293
<i>DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	0.796	0.512	1.238
<i>DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	10.191	1.426	72.843
<i>DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	1.621	0.878	2.991
<i>DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	1.356	1.108	1.660
<i>DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	0.159	0.021	1.231
<i>DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	0.133	0.019	0.949
<i>DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	0.837	0.456	1.536

Time to MACE models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MACE_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	772	2462	76.13

Convergence Status

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

Time to MACE models**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	12188.325	11588.036
AIC	12188.325	11616.036
SBC	12188.325	11681.122

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	600.2882	14	<.0001
<i>Score</i>	549.0915	14	<.0001
<i>Wald</i>	512.3892	14	<.0001

Type 3 Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	13.7338	0.0033
<i>Age_Max</i>	1	317.8090	<.0001
<i>GENDER</i>	1	2.1290	0.1445
<i>RacEth3</i>	2	21.9069	<.0001
<i>PARTNERED</i>	3	4.2019	0.2405
<i>BMI_Max</i>	1	19.0992	<.0001
<i>CurrSmoke_Max</i>	1	18.9663	<.0001
<i>FormSmoke_Max</i>	1	31.7968	<.0001
<i>YRinter_Max</i>	1	0.4794	0.4887

Time to MACE models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.51923	0.24516	4.4856	0.0342
DisGroup	Insomnia only	1	0.15976	0.29915	0.2852	0.5933
DisGroup	OSA only	1	0.28353	0.24516	1.3374	0.2475
Age_Max		1	0.06057	0.00340	317.8090	<.0001
GENDER	MALE	1	0.11199	0.07675	2.1290	0.1445
RacEth3	BLACK, NON-HISP	1	0.54163	0.11611	21.7596	<.0001
RacEth3	Other	1	0.13422	0.15369	0.7626	0.3825
PARTNERED	OTHER OR UNKNOWN	1	-0.33095	0.50550	0.4286	0.5127
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.17512	0.09570	3.3482	0.0673
PARTNERED	SINGLE	1	-0.00710	0.10229	0.0048	0.9446
BMI_Max		1	0.02171	0.00497	19.0992	<.0001
CurrSmoke_Max		1	0.40035	0.09193	18.9663	<.0001
FormSmoke_Max		1	0.43445	0.07705	31.7968	<.0001
YRinter_Max		1	-0.02138	0.03088	0.4794	0.4887

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits			Label
DisGroup	COMISA	1.681	1.071	2.817		DisGroup COMISA
DisGroup	Insomnia only	1.173	0.659	2.148		DisGroup Insomnia only
DisGroup	OSA only	1.328	0.846	2.225		DisGroup OSA only
Age_Max		1.062	1.055	1.070		
GENDER	MALE	1.118	0.962	1.300		GENDER MALE
RacEth3	BLACK, NON-HISP	1.719	1.361	2.147		RacEth3 BLACK, NON-HISP
RacEth3	Other	1.144	0.835	1.527		RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.718	0.221	1.693		PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.191	0.985	1.434		PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	0.993	0.810	1.210		PARTNERED SINGLE
BMI_Max		1.022	1.012	1.032		
CurrSmoke_Max		1.492	1.244	1.784		
FormSmoke_Max		1.544	1.328	1.796		
YRinter_Max		0.979	0.923	1.042		

Time to MACE models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MACE_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	772	2462	76.13

Convergence Status

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

Time to MACE models**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	12188.325	11373.999
AIC	12188.325	11411.999
SBC	12188.325	11500.330

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	814.3257	19	<.0001
<i>Score</i>	755.6273	19	<.0001
<i>Wald</i>	606.1499	19	<.0001

Type 3 Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	5.5190	0.1375
<i>Age_Max</i>	1	163.8684	<.0001
<i>GENDER</i>	1	1.4444	0.2294
<i>RacEth3</i>	2	12.7822	0.0017
<i>PARTNERED</i>	3	1.6012	0.6591
<i>BMI_Max</i>	1	1.2422	0.2650
<i>CurrSmoke_Max</i>	1	12.8488	0.0003
<i>FormSmoke_Max</i>	1	16.1067	<.0001
<i>HypLip_Max</i>	1	22.4877	<.0001
<i>T2D_Max</i>	1	14.3831	0.0001
<i>PriPulmHT_Max</i>	1	41.0422	<.0001
<i>HT_Max</i>	1	60.3107	<.0001
<i>DEPRIND_Max</i>	1	9.6292	0.0019
<i>YRinter_Max</i>	1	4.8107	0.0283

Time to MACE models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	COMISA	1	0.31756	0.24554	1.6726	0.1959
<i>DisGroup</i>	Insomnia only	1	0.10377	0.29996	0.1197	0.7294
<i>DisGroup</i>	OSA only	1	0.16205	0.24493	0.4377	0.5082
<i>Age_Max</i>		1	0.04671	0.00365	163.8684	<.0001
<i>GENDER</i>	MALE	1	0.09456	0.07868	1.4444	0.2294
<i>RacEth3</i>	BLACK, NON-HISP	1	0.42285	0.11834	12.7674	0.0004
<i>RacEth3</i>	Other	1	0.04767	0.15461	0.0951	0.7578
<i>PARTNERED</i>	OTHER OR UNKNOWN	1	-0.14958	0.50643	0.0872	0.7677
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1	0.11274	0.09604	1.3780	0.2404
<i>PARTNERED</i>	SINGLE	1	0.0007379	0.10295	0.0001	0.9943
<i>BMI_Max</i>		1	0.00594	0.00533	1.2422	0.2650
<i>CurrSmoke_Max</i>		1	0.33358	0.09306	12.8488	0.0003
<i>FormSmoke_Max</i>		1	0.31115	0.07753	16.1067	<.0001
<i>HypLip_Max</i>		1	0.58180	0.12269	22.4877	<.0001
<i>T2D_Max</i>		1	0.29227	0.07707	14.3831	0.0001
<i>PriPulmHT_Max</i>		1	0.78646	0.12276	41.0422	<.0001
<i>HT_Max</i>		1	1.15611	0.14887	60.3107	<.0001
<i>DEPRIND_Max</i>		1	0.26074	0.08403	9.6292	0.0019
<i>YRinter_Max</i>		1	-0.06683	0.03047	4.8107	0.0283

Time to MACE models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>Hazard Ratio</i>	<i>95% Hazard Ratio Profile Likelihood Confidence Limits</i>		<i>Label</i>
<i>DisGroup</i>	COMISA	1.374	0.875	2.304	DisGroup COMISA
<i>DisGroup</i>	Insomnia only	1.109	0.622	2.034	DisGroup Insomnia only
<i>DisGroup</i>	OSA only	1.176	0.750	1.970	DisGroup OSA only
<i>Age_Max</i>		1.048	1.040	1.055	
<i>GENDER</i>	MALE	1.099	0.942	1.282	GENDER MALE
<i>RacEth3</i>	BLACK, NON-HISP	1.526	1.204	1.915	RacEth3 BLACK, NON-HISP
<i>RacEth3</i>	Other	1.049	0.764	1.403	RacEth3 Other
<i>PARTNERED</i>	OTHER OR UNKNOWN	0.861	0.265	2.034	PARTNERED OTHER OR UNKNOWN
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1.119	0.925	1.348	PARTNERED SEPARATED, DIVORCED, WIDOWED
<i>PARTNERED</i>	SINGLE	1.001	0.816	1.221	PARTNERED SINGLE
<i>BMI_Max</i>		1.006	0.995	1.016	
<i>CurrSmoke_Max</i>		1.396	1.161	1.672	
<i>FormSmoke_Max</i>		1.365	1.172	1.589	
<i>HypLip_Max</i>		1.789	1.415	2.290	
<i>T2D_Max</i>		1.339	1.152	1.558	
<i>PriPulmHT_Max</i>		2.196	1.712	2.772	
<i>HT_Max</i>		3.178	2.397	4.300	
<i>DEPRIND_Max</i>		1.298	1.102	1.533	
<i>YRinter_Max</i>		0.935	0.883	0.995	

Time to Unstable Angina**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	UnsAng_Max
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	3951
Number of Observations Used	3492

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	157	3335	95.50

Convergence Status

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

Model Fit Statistics

Criterion	Without Covariates	With Covariates
-2 LOG L	2511.927	2457.574
AIC	2511.927	2465.574
SBC	2511.927	2477.799

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	54.3530	4	<.0001
Score	50.2980	4	<.0001
Wald	46.3659	4	<.0001

Time to Unstable Angina**The PHREG Procedure**

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	29.9993	<.0001
<i>YRinter_Max</i>	1	12.9424	0.0003

Analysis of Maximum Likelihood Estimates

<i>Parameter</i>	<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>	<i>Hazard Ratio</i>	<i>95% Hazard Ratio Profile Likelihood Confidence Limits</i>			<i>Label</i>
<i>DisGroup</i>										
<i>DisGroup</i>	<i>COMISA</i>	1	1.31708	0.51184	6.6214	0.0101	3.733	1.557	12.221	DisGroup COMISA
<i>DisGroup</i>	<i>Insomnia only</i>	1	0.32500	0.62685	0.2688	0.6041	1.384	0.418	5.284	DisGroup Insomnia only
<i>DisGroup</i>	<i>OSA only</i>	1	0.49358	0.51753	0.9096	0.3402	1.638	0.673	5.405	DisGroup OSA only
<i>YRinter_Max</i>		1	0.34363	0.09552	12.9424	0.0003	1.410	1.186	1.726	

Time to Unstable Angina**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	UnsAng_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	157	3335	95.50

Convergence Status

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

Time to Unstable Angina**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2511.927	2378.059
AIC	2511.927	2400.059
SBC	2511.927	2433.678

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	133.8678	11	<.0001
<i>Score</i>	126.3224	11	<.0001
<i>Wald</i>	118.4179	11	<.0001

Type 3 Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	26.7723	<.0001
<i>Age_Max</i>	1	47.1904	<.0001
<i>GENDER</i>	1	3.2234	0.0726
<i>RacEth3</i>	2	23.5889	<.0001
<i>PARTNERED</i>	3	0.6287	0.8898
<i>YRinter_Max</i>	1	6.6580	0.0099

Time to Unstable Angina**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	COMISA	1	0.84752	0.51596	2.6982	0.1005
<i>DisGroup</i>	Insomnia only	1	0.26080	0.62828	0.1723	0.6781
<i>DisGroup</i>	OSA only	1	-0.01720	0.52301	0.0011	0.9738
<i>Age_Max</i>		1	0.04653	0.00677	47.1904	<.0001
<i>GENDER</i>	MALE	1	0.30390	0.16927	3.2234	0.0726
<i>RacEth3</i>	BLACK, NON-HISP	1	1.01009	0.22271	20.5698	<.0001
<i>RacEth3</i>	Other	1	-0.59886	0.45678	1.7188	0.1898
<i>PARTNERED</i>	OTHER OR UNKNOWN	1	-12.20646	470.00626	0.0007	0.9793
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1	0.16937	0.21446	0.6237	0.4297
<i>PARTNERED</i>	SINGLE	1	0.03362	0.22089	0.0232	0.8790
<i>YRinter_Max</i>		1	0.24678	0.09564	6.6580	0.0099

Analysis of Maximum Likelihood Estimates

<i>Parameter</i>		<i>Hazard Ratio</i>	<i>Label</i>
<i>DisGroup</i>	COMISA	2.334	DisGroup COMISA
<i>DisGroup</i>	Insomnia only	1.298	DisGroup Insomnia only
<i>DisGroup</i>	OSA only	0.983	DisGroup OSA only
<i>Age_Max</i>		1.048	
<i>GENDER</i>	MALE	1.355	GENDER MALE
<i>RacEth3</i>	BLACK, NON-HISP	2.746	RacEth3 BLACK, NON-HISP
<i>RacEth3</i>	Other	0.549	RacEth3 Other
<i>PARTNERED</i>	OTHER OR UNKNOWN	0.000	PARTNERED OTHER OR UNKNOWN
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1.185	PARTNERED SEPARATED, DIVORCED, WIDOWED
<i>PARTNERED</i>	SINGLE	1.034	PARTNERED SINGLE
<i>YRinter_Max</i>		1.280	

Time to Unstable Angina**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	UnsAng_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	157	3335	95.50

Convergence Status

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

Time to Unstable Angina**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2511.927	2375.200
AIC	2511.927	2403.200
SBC	2511.927	2445.988

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	136.7265	14	<.0001
<i>Score</i>	127.6736	14	<.0001
<i>Wald</i>	116.2843	14	<.0001

Joint Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	14.2555	0.0026
<i>Age_Max</i>	1	46.9303	<.0001
<i>GENDER</i>	1	0.0009	0.9760
<i>RacEth3</i>	2	23.4497	<.0001
<i>PARTNERED</i>	3	0.7013	0.8729
<i>YRinter_Max</i>	1	6.4293	0.0112
<i>DisGroup*GENDER</i>	3	0.4413	0.9316

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Unstable Angina**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.55884	0.52258	1.1436	0.2849
<i>DisGroup</i>	<i>Insomnia only</i>	1	0.08383	0.67208	0.0156	0.9007
<i>DisGroup</i>	<i>OSA only</i>	1	-0.39640	0.54560	0.5278	0.4675
<i>Age_Max</i>		1	0.04637	0.00677	46.9303	<.0001
<i>GENDER</i>	<i>MALE</i>	1	-12.00472	399.82561	0.0009	0.9760
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	1.00741	0.22260	20.4825	<.0001
<i>RacEth3</i>	<i>Other</i>	1	-0.59387	0.45684	1.6899	0.1936
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-12.18807	464.82829	0.0007	0.9791
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.17978	0.21479	0.7005	0.4026
<i>PARTNERED</i>	<i>SINGLE</i>	1	0.04857	0.22105	0.0483	0.8261
<i>YRinter_Max</i>		1	0.24310	0.09588	6.4293	0.0112
<i>DisGroup*GENDER</i>	<i>COMISA</i>	<i>MALE</i> 1	12.29561	399.82567	0.0009	0.9755
<i>DisGroup*GENDER</i>	<i>Insomnia only</i>	<i>MALE</i> 1	11.94038	399.82648	0.0009	0.9762
<i>DisGroup*GENDER</i>	<i>OSA only</i>	<i>MALE</i> 1	12.45212	399.82570	0.0010	0.9752

Time to Unstable Angina

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.047	1.034	1.062	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	2.739	1.738	4.172	RacEth3 BLACK, NON-HISP
RacEth3	Other	0.552	0.195	1.217	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	2.150	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.197	0.775	1.804	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.050	0.672	1.603	PARTNERED SINGLE
YRinter_Max		1.275	1.072	1.562	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At GENDER=FEMALE	1.749	0.628	4.870
DisGroup COMISA vs Insomnia only At GENDER=FEMALE	1.608	0.638	4.052
DisGroup COMISA vs OSA only At GENDER=FEMALE	2.599	1.573	4.297
DisGroup Control vs Insomnia only At GENDER=FEMALE	0.920	0.246	3.433
DisGroup Control vs OSA only At GENDER=FEMALE	1.486	0.510	4.331
DisGroup Insomnia only vs OSA only At GENDER=FEMALE	1.616	0.610	4.284
DisGroup COMISA vs Control At GENDER=MALE	382488.2	0.000	.
DisGroup COMISA vs Insomnia only At GENDER=MALE	2.294	0.552	9.538
DisGroup COMISA vs OSA only At GENDER=MALE	2.223	1.407	3.512
DisGroup Control vs Insomnia only At GENDER=MALE	0.000	0.000	.
DisGroup Control vs OSA only At GENDER=MALE	0.000	0.000	.
DisGroup Insomnia only vs OSA only At GENDER=MALE	0.969	0.232	4.047

Time to Unstable Angina**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	UnsAng_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	157	3335	95.50

Convergence Status

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

Time to Unstable Angina**The PHREG Procedure***Model Fit Statistics*

Criterion	Without Covariates	With Covariates
-2 LOG L	2511.927	2369.848
AIC	2511.927	2397.848
SBC	2511.927	2440.636

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	142.0785	14	<.0001
Score	135.8896	14	<.0001
Wald	115.6251	14	<.0001

Joint Tests

Effect	DF	Wald Chi-Square	Pr > ChiSq
DisGroup	3	9.9718	0.0188
Age_Max	1	9.7480	0.0018
GENDER	1	3.4959	0.0615
RacEth3	2	24.8684	<.0001
PARTNERED	3	0.4885	0.9214
YRinter_Max	1	7.0404	0.0080
Age_Max*DisGroup	3	7.6877	0.0529

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Unstable Angina

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	6.18820	2.92399	4.4789	0.0343
DisGroup	Insomnia only	1	7.41588	3.16435	5.4923	0.0191
DisGroup	OSA only	1	4.20635	2.96993	2.0059	0.1567
Age_Max		1	0.12224	0.03915	9.7480	0.0018
GENDER	MALE	1	0.31814	0.17015	3.4959	0.0615
RacEth3	BLACK, NON-HISP	1	1.04578	0.22286	22.0200	<.0001
RacEth3	Other	1	-0.56574	0.45712	1.5317	0.2159
PARTNERED	OTHER OR UNKNOWN	1	-11.29363	294.17190	0.0015	0.9694
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.14828	0.21489	0.4761	0.4902
PARTNERED	SINGLE	1	0.01909	0.22274	0.0073	0.9317
YRinter_Max		1	0.25383	0.09566	7.0404	0.0080
Age_Max*DisGroup	COMISA	1	-0.08156	0.03992	4.1734	0.0411
Age_Max*DisGroup	Insomnia only	1	-0.11450	0.04605	6.1827	0.0129
Age_Max*DisGroup	OSA only	1	-0.06504	0.04058	2.5684	0.1090

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits			Label
DisGroup	COMISA	.	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	.	DisGroup OSA only
Age_Max		.	.	.	.
GENDER	MALE	1.375	0.984	1.919		GENDER MALE
RacEth3	BLACK, NON-HISP	2.846	1.805	4.337		RacEth3 BLACK, NON-HISP
RacEth3	Other	0.568	0.201	1.252		RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	2.106		PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.160	0.751	1.748		PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.019	0.651	1.561		PARTNERED SINGLE
YRinter_Max		1.289	1.083	1.578		
Age_Max*DisGroup	COMISA	.	.	.		DisGroup COMISA * Age_Max
Age_Max*DisGroup	Insomnia only	.	.	.		DisGroup Insomnia only * Age_Max
Age_Max*DisGroup	OSA only	.	.	.		DisGroup OSA only * Age_Max

Time to Unstable Angina**The PHREG Procedure***Hazard Ratios for DisGroup*

<i>Description</i>	<i>Point Estimate</i>	<i>95% Wald Confidence Limits</i>	
<i>DisGroup COMISA vs Control At Age_Max=49</i>	8.951	1.128	71.011
<i>DisGroup COMISA vs Insomnia only At Age_Max=49</i>	1.471	0.638	3.391
<i>DisGroup COMISA vs OSA only At Age_Max=49</i>	3.229	1.750	5.959
<i>DisGroup Control vs Insomnia only At Age_Max=49</i>	0.164	0.019	1.453
<i>DisGroup Control vs OSA only At Age_Max=49</i>	0.361	0.044	2.948
<i>DisGroup Insomnia only vs OSA only At Age_Max=49</i>	2.195	0.882	5.459
<i>DisGroup COMISA vs Control At Age_Max=61</i>	3.364	0.887	12.764
<i>DisGroup COMISA vs Insomnia only At Age_Max=61</i>	2.185	0.903	5.282
<i>DisGroup COMISA vs OSA only At Age_Max=61</i>	2.648	1.802	3.892
<i>DisGroup Control vs Insomnia only At Age_Max=61</i>	0.649	0.136	3.113
<i>DisGroup Control vs OSA only At Age_Max=61</i>	0.787	0.204	3.042
<i>DisGroup Insomnia only vs OSA only At Age_Max=61</i>	1.212	0.488	3.011
<i>DisGroup COMISA vs Control At Age_Max=71</i>	1.488	0.539	4.112
<i>DisGroup COMISA vs Insomnia only At Age_Max=71</i>	3.037	0.929	9.929
<i>DisGroup COMISA vs OSA only At Age_Max=71</i>	2.245	1.584	3.182
<i>DisGroup Control vs Insomnia only At Age_Max=71</i>	2.041	0.443	9.408
<i>DisGroup Control vs OSA only At Age_Max=71</i>	1.509	0.538	4.231
<i>DisGroup Insomnia only vs OSA only At Age_Max=71</i>	0.739	0.224	2.443

Time to Unstable Angina**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	UnsAng_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	157	3335	95.50

Convergence Status

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

Time to Unstable Angina**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2511.927	2375.200
AIC	2511.927	2403.200
SBC	2511.927	2445.988

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	136.7265	14	<.0001
<i>Score</i>	127.6736	14	<.0001
<i>Wald</i>	116.2843	14	<.0001

Joint Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	14.2555	0.0026
<i>Age_Max</i>	1	46.9303	<.0001
<i>GENDER</i>	1	0.0009	0.9760
<i>RacEth3</i>	2	23.4497	<.0001
<i>PARTNERED</i>	3	0.7013	0.8729
<i>YRinter_Max</i>	1	6.4293	0.0112
<i>DisGroup*GENDER</i>	3	0.4413	0.9316

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Unstable Angina**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.55884	0.52258	1.1436	0.2849
<i>DisGroup</i>	<i>Insomnia only</i>	1	0.08383	0.67208	0.0156	0.9007
<i>DisGroup</i>	<i>OSA only</i>	1	-0.39640	0.54560	0.5278	0.4675
<i>Age_Max</i>		1	0.04637	0.00677	46.9303	<.0001
<i>GENDER</i>	<i>MALE</i>	1	-12.00472	399.82561	0.0009	0.9760
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	1.00741	0.22260	20.4825	<.0001
<i>RacEth3</i>	<i>Other</i>	1	-0.59387	0.45684	1.6899	0.1936
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-12.18807	464.82829	0.0007	0.9791
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.17978	0.21479	0.7005	0.4026
<i>PARTNERED</i>	<i>SINGLE</i>	1	0.04857	0.22105	0.0483	0.8261
<i>YRinter_Max</i>		1	0.24310	0.09588	6.4293	0.0112
<i>DisGroup*GENDER</i>	<i>COMISA</i>	<i>MALE</i> 1	12.29561	399.82567	0.0009	0.9755
<i>DisGroup*GENDER</i>	<i>Insomnia only</i>	<i>MALE</i> 1	11.94038	399.82648	0.0009	0.9762
<i>DisGroup*GENDER</i>	<i>OSA only</i>	<i>MALE</i> 1	12.45212	399.82570	0.0010	0.9752

Time to Unstable Angina

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.047	1.034	1.062	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	2.739	1.738	4.172	RacEth3 BLACK, NON-HISP
RacEth3	Other	0.552	0.195	1.217	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	2.150	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.197	0.775	1.804	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.050	0.672	1.603	PARTNERED SINGLE
YRinter_Max		1.275	1.072	1.562	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.749	0.628	4.870
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.608	0.638	4.052
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	2.599	1.573	4.297
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.920	0.246	3.433
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.486	0.510	4.331
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.616	0.610	4.284
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=MALE	382488.2	0.000	.
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	2.294	0.552	9.538
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	2.223	1.407	3.512
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.000	0.000	.
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.000	0.000	.
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.969	0.232	4.047
DisGroup COMISA vs Control At RacEth3=Other GENDER=FEMALE	1.749	0.628	4.870
DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=FEMALE	1.608	0.638	4.052
DisGroup COMISA vs OSA only At RacEth3=Other GENDER=FEMALE	2.599	1.573	4.297

Time to Unstable Angina**The PHREG Procedure***Hazard Ratios for DisGroup*

<i>Description</i>	<i>Point Estimate</i>	<i>95% Wald Confidence Limits</i>	
<i>DisGroup Control vs Insomnia only At RacEth3=Other GENDER=FEMALE</i>	0.920	0.246	3.433
<i>DisGroup Control vs OSA only At RacEth3=Other GENDER=FEMALE</i>	1.486	0.510	4.331
<i>DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=FEMALE</i>	1.616	0.610	4.284
<i>DisGroup COMISA vs Control At RacEth3=Other GENDER=MALE</i>	382488.2	0.000	.
<i>DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=MALE</i>	2.294	0.552	9.538
<i>DisGroup COMISA vs OSA only At RacEth3=Other GENDER=MALE</i>	2.223	1.407	3.512
<i>DisGroup Control vs Insomnia only At RacEth3=Other GENDER=MALE</i>	0.000	0.000	.
<i>DisGroup Control vs OSA only At RacEth3=Other GENDER=MALE</i>	0.000	0.000	.
<i>DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=MALE</i>	0.969	0.232	4.047
<i>DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	1.749	0.628	4.870
<i>DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	1.608	0.638	4.052
<i>DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	2.599	1.573	4.297
<i>DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	0.920	0.246	3.433
<i>DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	1.486	0.510	4.331
<i>DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE</i>	1.616	0.610	4.284
<i>DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	382488.2	0.000	.
<i>DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	2.294	0.552	9.538
<i>DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	2.223	1.407	3.512
<i>DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	0.000	0.000	.
<i>DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	0.000	0.000	.
<i>DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE</i>	0.969	0.232	4.047

Time to Unstable Angina**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	UnsAng_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	143	3091	95.58

Convergence Status

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

Time to Unstable Angina**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2266.455	2128.589
AIC	2266.455	2156.589
SBC	2266.455	2198.069

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	137.8654	14	<.0001
<i>Score</i>	128.4575	14	<.0001
<i>Wald</i>	117.6244	14	<.0001

Type 3 Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	21.2131	<.0001
<i>Age_Max</i>	1	41.1110	<.0001
<i>GENDER</i>	1	4.6689	0.0307
<i>RacEth3</i>	2	15.6256	0.0004
<i>PARTNERED</i>	3	0.6277	0.8901
<i>BMI_Max</i>	1	2.7642	0.0964
<i>CurrSmoke_Max</i>	1	2.7639	0.0964
<i>FormSmoke_Max</i>	1	4.9824	0.0256
<i>YRinter_Max</i>	1	6.0675	0.0138

Time to Unstable Angina**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.56733	0.52042	1.1884	0.2757
DisGroup	Insomnia only	1	0.17892	0.62977	0.0807	0.7763
DisGroup	OSA only	1	-0.26550	0.52961	0.2513	0.6162
Age_Max		1	0.04972	0.00775	41.1110	<.0001
GENDER	MALE	1	0.38562	0.17846	4.6689	0.0307
RacEth3	BLACK, NON-HISP	1	0.83429	0.23797	12.2913	0.0005
RacEth3	Other	1	-0.91961	0.58606	2.4622	0.1166
PARTNERED	OTHER OR UNKNOWN	1	-12.06429	493.79884	0.0006	0.9805
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.17574	0.22475	0.6115	0.4342
PARTNERED	SINGLE	1	0.02307	0.23087	0.0100	0.9204
BMI_Max		1	0.01929	0.01160	2.7642	0.0964
CurrSmoke_Max		1	0.35107	0.21117	2.7639	0.0964
FormSmoke_Max		1	0.40455	0.18124	4.9824	0.0256
YRinter_Max		1	0.25184	0.10224	6.0675	0.0138

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	1.764	0.720	5.844	DisGroup COMISA
DisGroup	Insomnia only	1.196	0.359	4.587	DisGroup Insomnia only
DisGroup	OSA only	0.767	0.305	2.574	DisGroup OSA only
Age_Max		1.051	1.035	1.067	
GENDER	MALE	1.471	1.036	2.088	GENDER MALE
RacEth3	BLACK, NON-HISP	2.303	1.415	3.609	RacEth3 BLACK, NON-HISP
RacEth3	Other	0.399	0.098	1.059	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	2.757	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.192	0.756	1.830	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.023	0.642	1.592	PARTNERED SINGLE
BMI_Max		1.019	0.996	1.042	
CurrSmoke_Max		1.421	0.929	2.131	
FormSmoke_Max		1.499	1.050	2.139	
YRinter_Max		1.286	1.069	1.598	

Time to Unstable Angina**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	UnsAng_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read 3951	
Number of Observations Used 3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	143	3091	95.58

Convergence Status

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

Time to Unstable Angina**The PHREG Procedure***Model Fit Statistics*

Criterion	Without Covariates	With Covariates
-2 LOG L	2266.455	2045.766
AIC	2266.455	2083.766
SBC	2266.455	2140.060

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	220.6883	19	<.0001
Score	213.1000	19	<.0001
Wald	153.1800	19	<.0001

Type 3 Tests

Effect	DF	Wald	
		Chi-Square	Pr > ChiSq
DisGroup	3	14.3402	0.0025
Age_Max	1	13.6654	0.0002
GENDER	1	3.4528	0.0631
RacEth3	2	11.6039	0.0030
PARTNERED	3	0.2519	0.9688
BMI_Max	1	0.2357	0.6273
CurrSmoke_Max	1	1.2865	0.2567
FormSmoke_Max	1	1.7624	0.1843
HypLip_Max	1	10.5693	0.0011
T2D_Max	1	13.4732	0.0002
PriPulmHT_Max	1	11.1198	0.0009
HT_Max	1	10.5027	0.0012
DEPRIND_Max	1	4.8694	0.0273
YRinter_Max	1	2.7550	0.0970

Time to Unstable Angina**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.22647	0.52129	0.1887	0.6640
<i>DisGroup</i>	<i>Insomnia only</i>	1	0.08594	0.63335	0.0184	0.8921
<i>DisGroup</i>	<i>OSA only</i>	1	-0.46345	0.52774	0.7712	0.3799
<i>Age_Max</i>		1	0.03130	0.00847	13.6654	0.0002
<i>GENDER</i>	<i>MALE</i>	1	0.33700	0.18136	3.4528	0.0631
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	0.66141	0.24437	7.3253	0.0068
<i>RacEth3</i>	<i>Other</i>	1	-1.07812	0.58771	3.3652	0.0666
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-11.47972	427.06891	0.0007	0.9786
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.11142	0.22541	0.2443	0.6211
<i>PARTNERED</i>	<i>SINGLE</i>	1	0.05190	0.23248	0.0498	0.8234
<i>BMI_Max</i>		1	-0.00616	0.01268	0.2357	0.6273
<i>CurrSmoke_Max</i>		1	0.24430	0.21539	1.2865	0.2567
<i>FormSmoke_Max</i>		1	0.24124	0.18172	1.7624	0.1843
<i>HypLip_Max</i>		1	1.30818	0.40239	10.5693	0.0011
<i>T2D_Max</i>		1	0.67121	0.18286	13.4732	0.0002
<i>PriPulmHT_Max</i>		1	0.88225	0.26457	11.1198	0.0009
<i>HT_Max</i>		1	1.30881	0.40386	10.5027	0.0012
<i>DEPRIND_Max</i>		1	0.46394	0.21024	4.8694	0.0273
<i>YRinter_Max</i>		1	0.16584	0.09991	2.7550	0.0970

Time to Unstable Angina**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>Hazard Ratio</i>	<i>95% Hazard Ratio Profile Likelihood Confidence Limits</i>		<i>Label</i>
<i>DisGroup</i>	COMISA	1.254	0.511	4.161	DisGroup COMISA
<i>DisGroup</i>	Insomnia only	1.090	0.325	4.204	DisGroup Insomnia only
<i>DisGroup</i>	OSA only	0.629	0.252	2.106	DisGroup OSA only
<i>Age_Max</i>		1.032	1.015	1.049	
<i>GENDER</i>	MALE	1.401	0.981	2.000	GENDER MALE
<i>RacEth3</i>	BLACK, NON-HISP	1.938	1.176	3.077	RacEth3 BLACK, NON-HISP
<i>RacEth3</i>	Other	0.340	0.083	0.908	RacEth3 Other
<i>PARTNERED</i>	OTHER OR UNKNOWN	0.000	.	3.723	PARTNERED OTHER OR UNKNOWN
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1.118	0.708	1.719	PARTNERED SEPARATED, DIVORCED, WIDOWED
<i>PARTNERED</i>	SINGLE	1.053	0.659	1.644	PARTNERED SINGLE
<i>BMI_Max</i>		0.994	0.969	1.018	
<i>CurrSmoke_Max</i>		1.277	0.829	1.932	
<i>FormSmoke_Max</i>		1.273	0.891	1.818	
<i>HypLip_Max</i>		3.699	1.804	8.939	
<i>T2D_Max</i>		1.957	1.372	2.814	
<i>PriPulmHT_Max</i>		2.416	1.390	3.947	
<i>HT_Max</i>		3.702	1.798	8.964	
<i>DEPRIND_Max</i>		1.590	1.065	2.434	
<i>YRinter_Max</i>		1.180	0.985	1.460	

Time to Myocardial Infarction models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MyocInf_Max
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	3951
Number of Observations Used	3492

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	149	3343	95.73

Convergence Status

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

Model Fit Statistics

Criterion	Without Covariates	With Covariates
-2 LOG L	2390.302	2354.857
AIC	2390.302	2362.857
SBC	2390.302	2374.873

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	35.4443	4	<.0001
Score	27.9994	4	<.0001
Wald	21.8840	4	0.0002

Time to Myocardial Infarction models**The PHREG Procedure**

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	18.4288	0.0004
<i>YRinter_Max</i>	1	2.2636	0.1324

Analysis of Maximum Likelihood Estimates

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>	<i>Hazard Ratio</i>	<i>95% Hazard Ratio Profile Likelihood Confidence Limits</i>		<i>Label</i>
<i>DisGroup</i>	<i>COMISA</i>	1	1.50229	0.59030	6.4768	0.0109	4.492	1.672	18.370	DisGroup COMISA
<i>DisGroup</i>	<i>Insomnia only</i>	1	-1.29537	1.15482	1.2582	0.2620	0.274	0.014	2.138	DisGroup Insomnia only
<i>DisGroup</i>	<i>OSA only</i>	1	1.05541	0.59012	3.1987	0.0737	2.873	1.070	11.747	DisGroup OSA only
<i>YRinter_Max</i>		1	0.10243	0.06808	2.2636	0.1324	1.108	0.978	1.279	

Time to Myocardial Infarction models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MyocInf_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	149	3343	95.73

Convergence Status

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

Time to Myocardial Infarction models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2390.302	2251.571
AIC	2390.302	2273.571
SBC	2390.302	2306.615

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	138.7304	11	<.0001
<i>Score</i>	126.0524	11	<.0001
<i>Wald</i>	114.8493	11	<.0001

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	12.9726	0.0047
<i>Age_Max</i>	1	70.5674	<.0001
<i>GENDER</i>	1	6.3295	0.0119
<i>RacEth3</i>	2	17.7805	0.0001
<i>PARTNERED</i>	3	3.9405	0.2680
<i>YRinter_Max</i>	1	0.0118	0.9135

Time to Myocardial Infarction models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	COMISA	1	0.87833	0.59383	2.1877	0.1391
<i>DisGroup</i>	Insomnia only	1	-1.41333	1.15562	1.4957	0.2213
<i>DisGroup</i>	OSA only	1	0.41560	0.59475	0.4883	0.4847
<i>Age_Max</i>		1	0.05935	0.00706	70.5674	<.0001
<i>GENDER</i>	MALE	1	0.43992	0.17486	6.3295	0.0119
<i>RacEth3</i>	BLACK, NON-HISP	1	0.97759	0.23419	17.4258	<.0001
<i>RacEth3</i>	Other	1	-0.03740	0.36653	0.0104	0.9187
<i>PARTNERED</i>	OTHER OR UNKNOWN	1	-12.49703	488.17737	0.0007	0.9796
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1	0.35992	0.21641	2.7660	0.0963
<i>PARTNERED</i>	SINGLE	1	0.34019	0.22290	2.3294	0.1270
<i>YRinter_Max</i>		1	0.00740	0.06816	0.0118	0.9135

Analysis of Maximum Likelihood Estimates

<i>Parameter</i>		<i>Hazard Ratio</i>	<i>Label</i>
<i>DisGroup</i>	COMISA	2.407	DisGroup COMISA
<i>DisGroup</i>	Insomnia only	0.243	DisGroup Insomnia only
<i>DisGroup</i>	OSA only	1.515	DisGroup OSA only
<i>Age_Max</i>		1.061	
<i>GENDER</i>	MALE	1.553	GENDER MALE
<i>RacEth3</i>	BLACK, NON-HISP	2.658	RacEth3 BLACK, NON-HISP
<i>RacEth3</i>	Other	0.963	RacEth3 Other
<i>PARTNERED</i>	OTHER OR UNKNOWN	0.000	PARTNERED OTHER OR UNKNOWN
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1.433	PARTNERED SEPARATED, DIVORCED, WIDOWED
<i>PARTNERED</i>	SINGLE	1.405	PARTNERED SINGLE
<i>YRinter_Max</i>		1.007	

Time to Myocardial Infarction models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MyocInf_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	149	3343	95.73

Convergence Status

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

Time to Myocardial Infarction models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2390.302	2248.221
AIC	2390.302	2276.221
SBC	2390.302	2318.276

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	142.0804	14	<.0001
<i>Score</i>	128.9540	14	<.0001
<i>Wald</i>	111.6401	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	6.2063	0.1020
<i>Age_Max</i>	1	70.2953	<.0001
<i>GENDER</i>	1	0.0004	0.9847
<i>RacEth3</i>	2	17.8447	0.0001
<i>PARTNERED</i>	3	4.1463	0.2461
<i>YRinter_Max</i>	1	0.0044	0.9474
<i>DisGroup*GENDER</i>	3	0.0060	0.9999

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Myocardial Infarction models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.49346	0.60263	0.6705	0.4129
<i>DisGroup</i>	<i>Insomnia only</i>	1	-1.26327	1.15536	1.1955	0.2742
<i>DisGroup</i>	<i>OSA only</i>	1	0.01244	0.61058	0.0004	0.9837
<i>Age_Max</i>		1	0.05918	0.00706	70.2953	<.0001
<i>GENDER</i>	<i>MALE</i>	1	-12.89471	673.38464	0.0004	0.9847
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	0.97916	0.23409	17.4967	<.0001
<i>RacEth3</i>	<i>Other</i>	1	-0.03589	0.36661	0.0096	0.9220
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-13.46862	796.20322	0.0003	0.9865
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.36850	0.21655	2.8957	0.0888
<i>PARTNERED</i>	<i>SINGLE</i>	1	0.35005	0.22272	2.4702	0.1160
<i>YRinter_Max</i>		1	0.00450	0.06824	0.0044	0.9474
<i>DisGroup*GENDER</i>	<i>COMISA</i>	<i>MALE</i> 1	13.36337	673.38468	0.0004	0.9842
<i>DisGroup*GENDER</i>	<i>Insomnia only</i>	<i>MALE</i> 1	0.69235	950.65986	0.0000	0.9994
<i>DisGroup*GENDER</i>	<i>OSA only</i>	<i>MALE</i> 1	13.38792	673.38469	0.0004	0.9841

Time to Myocardial Infarction models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.061	1.047	1.076	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	2.662	1.647	4.138	RacEth3 BLACK, NON-HISP
RacEth3	Other	0.965	0.432	1.854	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	1.762	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.446	0.934	2.189	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.419	0.906	2.175	PARTNERED SINGLE
YRinter_Max		1.005	0.886	1.159	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At GENDER=FEMALE	1.638	0.503	5.337
DisGroup COMISA vs Insomnia only At GENDER=FEMALE	5.793	0.794	42.291
DisGroup COMISA vs OSA only At GENDER=FEMALE	1.618	0.986	2.653
DisGroup Control vs Insomnia only At GENDER=FEMALE	3.537	0.367	34.046
DisGroup Control vs OSA only At GENDER=FEMALE	0.988	0.298	3.268
DisGroup Insomnia only vs OSA only At GENDER=FEMALE	0.279	0.038	2.059
DisGroup COMISA vs Control At GENDER=MALE	1042177	0.000	.
DisGroup COMISA vs Insomnia only At GENDER=MALE	1844541	0.000	.
DisGroup COMISA vs OSA only At GENDER=MALE	1.578	1.014	2.456
DisGroup Control vs Insomnia only At GENDER=MALE	1.770	0.000	.
DisGroup Control vs OSA only At GENDER=MALE	0.000	0.000	.
DisGroup Insomnia only vs OSA only At GENDER=MALE	0.000	0.000	.

Time to Myocardial Infarction models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MyocInf_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	149	3343	95.73

Convergence Status

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

Time to Myocardial Infarction models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2390.302	2250.510
AIC	2390.302	2278.510
SBC	2390.302	2320.566

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	139.7914	14	<.0001
<i>Score</i>	135.8215	14	<.0001
<i>Wald</i>	110.9538	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	2.5803	0.4610
<i>Age_Max</i>	1	4.3584	0.0368
<i>GENDER</i>	1	6.4640	0.0110
<i>RacEth3</i>	2	18.1214	0.0001
<i>PARTNERED</i>	3	3.9335	0.2687
<i>YRinter_Max</i>	1	0.0084	0.9270
<i>Age_Max*DisGroup</i>	3	1.0591	0.7870

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Myocardial Infarction models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	2.47697	2.54345	0.9484	0.3301
DisGroup	Insomnia only	1	0.12869	4.90258	0.0007	0.9791
DisGroup	OSA only	1	1.19201	2.55679	0.2174	0.6411
Age_Max		1	0.07845	0.03758	4.3584	0.0368
GENDER	MALE	1	0.44532	0.17515	6.4640	0.0110
RacEth3	BLACK, NON-HISP	1	0.98924	0.23442	17.8085	<.0001
RacEth3	Other	1	-0.01822	0.36709	0.0025	0.9604
PARTNERED	OTHER OR UNKNOWN	1	-11.59968	310.64399	0.0014	0.9702
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.35808	0.21626	2.7415	0.0978
PARTNERED	SINGLE	1	0.34208	0.22338	2.3452	0.1257
YRinter_Max		1	0.00624	0.06811	0.0084	0.9270
Age_Max*DisGroup	COMISA	1	-0.02523	0.03856	0.4279	0.5130
Age_Max*DisGroup	Insomnia only	1	-0.02496	0.07689	0.1053	0.7455
Age_Max*DisGroup	OSA only	1	-0.01327	0.03871	0.1174	0.7318

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits			Label
DisGroup	COMISA	.	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	.	DisGroup OSA only
Age_Max		.	.	.	.
GENDER	MALE	1.561	1.108	2.205		GENDER MALE
RacEth3	BLACK, NON-HISP	2.689	1.662	4.183		RacEth3 BLACK, NON-HISP
RacEth3	Other	0.982	0.440	1.889		RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	1.738		PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.431	0.925	2.165		PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.408	0.898	2.161		PARTNERED SINGLE
YRinter_Max		1.006	0.888	1.161		
Age_Max*DisGroup	COMISA	.	.	.		DisGroup COMISA * Age_Max
Age_Max*DisGroup	Insomnia only	.	.	.		DisGroup Insomnia only * Age_Max
Age_Max*DisGroup	OSA only	.	.	.		DisGroup OSA only * Age_Max

Time to Myocardial Infarction models**The PHREG Procedure**

<i>Hazard Ratios for DisGroup</i>			
<i>Description</i>	<i>Point Estimate</i>	<i>95% Wald Confidence Limits</i>	
<i>DisGroup COMISA vs Control At Age_Max=49</i>	3.459	0.678	17.646
<i>DisGroup COMISA vs Insomnia only At Age_Max=49</i>	10.330	0.783	136.226
<i>DisGroup COMISA vs OSA only At Age_Max=49</i>	2.012	1.084	3.732
<i>DisGroup Control vs Insomnia only At Age_Max=49</i>	2.987	0.150	59.657
<i>DisGroup Control vs OSA only At Age_Max=49</i>	0.582	0.113	3.002
<i>DisGroup Insomnia only vs OSA only At Age_Max=49</i>	0.195	0.015	2.590
<i>DisGroup COMISA vs Control At Age_Max=61</i>	2.555	0.782	8.350
<i>DisGroup COMISA vs Insomnia only At Age_Max=61</i>	10.297	1.424	74.452
<i>DisGroup COMISA vs OSA only At Age_Max=61</i>	1.743	1.182	2.570
<i>DisGroup Control vs Insomnia only At Age_Max=61</i>	4.030	0.414	39.210
<i>DisGroup Control vs OSA only At Age_Max=61</i>	0.682	0.207	2.243
<i>DisGroup Insomnia only vs OSA only At Age_Max=61</i>	0.169	0.023	1.229
<i>DisGroup COMISA vs Control At Age_Max=71</i>	1.986	0.557	7.074
<i>DisGroup COMISA vs Insomnia only At Age_Max=71</i>	10.269	0.981	107.499
<i>DisGroup COMISA vs OSA only At Age_Max=71</i>	1.546	1.106	2.163
<i>DisGroup Control vs Insomnia only At Age_Max=71</i>	5.172	0.366	73.107
<i>DisGroup Control vs OSA only At Age_Max=71</i>	0.779	0.218	2.781
<i>DisGroup Insomnia only vs OSA only At Age_Max=71</i>	0.151	0.014	1.578

Time to Myocardial Infarction models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MyocInf_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	149	3343	95.73

Convergence Status

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

Time to Myocardial Infarction models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2390.302	2248.221
AIC	2390.302	2276.221
SBC	2390.302	2318.276

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	142.0804	14	<.0001
<i>Score</i>	128.9540	14	<.0001
<i>Wald</i>	111.6401	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	6.2063	0.1020
<i>Age_Max</i>	1	70.2953	<.0001
<i>GENDER</i>	1	0.0004	0.9847
<i>RacEth3</i>	2	17.8447	0.0001
<i>PARTNERED</i>	3	4.1463	0.2461
<i>YRinter_Max</i>	1	0.0044	0.9474
<i>DisGroup*GENDER</i>	3	0.0060	0.9999

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Myocardial Infarction models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.49346	0.60263	0.6705	0.4129
<i>DisGroup</i>	<i>Insomnia only</i>	1	-1.26327	1.15536	1.1955	0.2742
<i>DisGroup</i>	<i>OSA only</i>	1	0.01244	0.61058	0.0004	0.9837
<i>Age_Max</i>		1	0.05918	0.00706	70.2953	<.0001
<i>GENDER</i>	<i>MALE</i>	1	-12.89471	673.38464	0.0004	0.9847
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	0.97916	0.23409	17.4967	<.0001
<i>RacEth3</i>	<i>Other</i>	1	-0.03589	0.36661	0.0096	0.9220
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-13.46862	796.20322	0.0003	0.9865
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.36850	0.21655	2.8957	0.0888
<i>PARTNERED</i>	<i>SINGLE</i>	1	0.35005	0.22272	2.4702	0.1160
<i>YRinter_Max</i>		1	0.00450	0.06824	0.0044	0.9474
<i>DisGroup*GENDER</i>	<i>COMISA</i>	<i>MALE</i> 1	13.36337	673.38468	0.0004	0.9842
<i>DisGroup*GENDER</i>	<i>Insomnia only</i>	<i>MALE</i> 1	0.69235	950.65986	0.0000	0.9994
<i>DisGroup*GENDER</i>	<i>OSA only</i>	<i>MALE</i> 1	13.38792	673.38469	0.0004	0.9841

Time to Myocardial Infarction models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.061	1.047	1.076	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	2.662	1.647	4.138	RacEth3 BLACK, NON-HISP
RacEth3	Other	0.965	0.432	1.854	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	1.762	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.446	0.934	2.189	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.419	0.906	2.175	PARTNERED SINGLE
YRinter_Max		1.005	0.886	1.159	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.638	0.503	5.337
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	5.793	0.794	42.291
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.618	0.986	2.653
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	3.537	0.367	34.046
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.988	0.298	3.268
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.279	0.038	2.059
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=MALE	1042177	0.000	.
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	1844541	0.000	.
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	1.578	1.014	2.456
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	1.770	0.000	.
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.000	0.000	.
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.000	0.000	.
DisGroup COMISA vs Control At RacEth3=Other GENDER=FEMALE	1.638	0.503	5.337
DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=FEMALE	5.793	0.794	42.291
DisGroup COMISA vs OSA only At RacEth3=Other GENDER=FEMALE	1.618	0.986	2.653

Time to Myocardial Infarction models**The PHREG Procedure**

Hazard Ratios for DisGroup			
Description	Point Estimate	95% Wald Confidence Limits	
DisGroup Control vs Insomnia only At RacEth3=Other GENDER=FEMALE	3.537	0.367	34.046
DisGroup Control vs OSA only At RacEth3=Other GENDER=FEMALE	0.988	0.298	3.268
DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=FEMALE	0.279	0.038	2.059
DisGroup COMISA vs Control At RacEth3=Other GENDER=MALE	1042177	0.000	.
DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=MALE	1844541	0.000	.
DisGroup COMISA vs OSA only At RacEth3=Other GENDER=MALE	1.578	1.014	2.456
DisGroup Control vs Insomnia only At RacEth3=Other GENDER=MALE	1.770	0.000	.
DisGroup Control vs OSA only At RacEth3=Other GENDER=MALE	0.000	0.000	.
DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=MALE	0.000	0.000	.
DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=FEMALE	1.638	0.503	5.337
DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	5.793	0.794	42.291
DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	1.618	0.986	2.653
DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	3.537	0.367	34.046
DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	0.988	0.298	3.268
DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	0.279	0.038	2.059
DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=MALE	1042177	0.000	.
DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE	1844541	0.000	.
DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	1.578	1.014	2.456
DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE	1.770	0.000	.
DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	0.000	0.000	.
DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	0.000	0.000	.

Time to Myocardial Infarction models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MyocInf_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read 3951	
Number of Observations Used 3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	135	3099	95.83

Convergence Status

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

Time to Myocardial Infarction models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2144.793	1978.522
AIC	2144.793	2006.522
SBC	2144.793	2047.196

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	166.2714	14	<.0001
<i>Score</i>	157.8989	14	<.0001
<i>Wald</i>	134.8270	14	<.0001

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	8.9314	0.0302
<i>Age_Max</i>	1	51.0273	<.0001
<i>GENDER</i>	1	5.3788	0.0204
<i>RacEth3</i>	2	10.5354	0.0052
<i>PARTNERED</i>	3	0.9779	0.8066
<i>BMI_Max</i>	1	1.6427	0.2000
<i>CurrSmoke_Max</i>	1	6.8408	0.0089
<i>FormSmoke_Max</i>	1	23.2561	<.0001
<i>YRinter_Max</i>	1	0.1085	0.7419

Time to Myocardial Infarction models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.60665	0.59769	1.0302	0.3101
DisGroup	Insomnia only	1	-1.48099	1.15656	1.6397	0.2004
DisGroup	OSA only	1	0.21200	0.60057	0.1246	0.7241
Age_Max		1	0.05934	0.00831	51.0273	<.0001
GENDER	MALE	1	0.43005	0.18543	5.3788	0.0204
RacEth3	BLACK, NON-HISP	1	0.80089	0.24783	10.4429	0.0012
RacEth3	Other	1	0.02727	0.39230	0.0048	0.9446
PARTNERED	OTHER OR UNKNOWN	1	-11.49271	321.44889	0.0013	0.9715
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.21026	0.23251	0.8178	0.3658
PARTNERED	SINGLE	1	0.15322	0.23796	0.4146	0.5196
BMI_Max		1	0.01561	0.01218	1.6427	0.2000
CurrSmoke_Max		1	0.54083	0.20678	6.8408	0.0089
FormSmoke_Max		1	0.93001	0.19285	23.2561	<.0001
YRinter_Max		1	-0.02333	0.07084	0.1085	0.7419

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits			Label
DisGroup	COMISA	1.834	0.669	7.575		DisGroup COMISA
DisGroup	Insomnia only	0.227	0.011	1.783		DisGroup Insomnia only
DisGroup	OSA only	1.236	0.447	5.124		DisGroup OSA only
Age_Max		1.061	1.044	1.079		
GENDER	MALE	1.537	1.070	2.217		GENDER MALE
RacEth3	BLACK, NON-HISP	2.228	1.339	3.553		RacEth3 BLACK, NON-HISP
RacEth3	Other	1.028	0.432	2.059		RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000		2.095		PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.234	0.771	1.924		PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.166	0.721	1.837		PARTNERED SINGLE
BMI_Max		1.016	0.991	1.040		
CurrSmoke_Max		1.717	1.136	2.559		
FormSmoke_Max		2.535	1.745	3.721		
YRinter_Max		0.977	0.858	1.134		

Time to Myocardial Infarction models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	MyocInf_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read 3951	
Number of Observations Used 3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK,NON-HISP	1	0	
	Other	0	1	
	WHITE,NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED,DIVORCED,WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	135	3099	95.83

Convergence Status

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

Time to Myocardial Infarction models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	2144.793	1910.706
AIC	2144.793	1948.706
SBC	2144.793	2003.906

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	234.0875	19	<.0001
<i>Score</i>	213.2733	19	<.0001
<i>Wald</i>	141.5214	19	<.0001

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	5.5913	0.1333
<i>Age_Max</i>	1	23.0090	<.0001
<i>GENDER</i>	1	4.1298	0.0421
<i>RacEth3</i>	2	5.5729	0.0616
<i>PARTNERED</i>	3	0.5977	0.8969
<i>BMI_Max</i>	1	0.3320	0.5645
<i>CurrSmoke_Max</i>	1	4.8618	0.0275
<i>FormSmoke_Max</i>	1	15.2986	<.0001
<i>HypLip_Max</i>	1	4.3255	0.0375
<i>T2D_Max</i>	1	12.4371	0.0004
<i>PriPulmHT_Max</i>	1	4.4610	0.0347
<i>HT_Max</i>	1	11.4995	0.0007
<i>DEPRIND_Max</i>	1	1.9533	0.1622
<i>YRinter_Max</i>	1	1.0755	0.2997

Time to Myocardial Infarction models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.31411	0.59827	0.2756	0.5996
<i>DisGroup</i>	<i>Insomnia only</i>	1	-1.52660	1.15880	1.7356	0.1877
<i>DisGroup</i>	<i>OSA only</i>	1	0.02228	0.59928	0.0014	0.9703
<i>Age_Max</i>		1	0.04276	0.00891	23.0090	<.0001
<i>GENDER</i>	<i>MALE</i>	1	0.38663	0.19025	4.1298	0.0421
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	0.58005	0.25521	5.1659	0.0230
<i>RacEth3</i>	<i>Other</i>	1	-0.13045	0.39457	0.1093	0.7409
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-11.49719	352.60268	0.0011	0.9740
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.13212	0.23378	0.3194	0.5720
<i>PARTNERED</i>	<i>SINGLE</i>	1	0.16238	0.24071	0.4551	0.4999
<i>BMI_Max</i>		1	-0.00757	0.01313	0.3320	0.5645
<i>CurrSmoke_Max</i>		1	0.46251	0.20976	4.8618	0.0275
<i>FormSmoke_Max</i>		1	0.75467	0.19294	15.2986	<.0001
<i>HypLip_Max</i>		1	0.71382	0.34322	4.3255	0.0375
<i>T2D_Max</i>		1	0.66231	0.18780	12.4371	0.0004
<i>PriPulmHT_Max</i>		1	0.61157	0.28955	4.4610	0.0347
<i>HT_Max</i>		1	2.44566	0.72120	11.4995	0.0007
<i>DEPRIND_Max</i>		1	0.28383	0.20309	1.9533	0.1622
<i>YRinter_Max</i>		1	-0.07158	0.06902	1.0755	0.2997

Time to Myocardial Infarction models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>Hazard Ratio</i>	<i>95% Hazard Ratio Profile Likelihood Confidence Limits</i>		<i>Label</i>
<i>DisGroup</i>	COMISA	1.369	0.499	5.658	DisGroup COMISA
<i>DisGroup</i>	Insomnia only	0.217	0.011	1.712	DisGroup Insomnia only
<i>DisGroup</i>	OSA only	1.023	0.371	4.231	DisGroup OSA only
<i>Age_Max</i>		1.044	1.026	1.062	
<i>GENDER</i>	MALE	1.472	1.015	2.142	GENDER MALE
<i>RacEth3</i>	BLACK, NON-HISP	1.786	1.059	2.893	RacEth3 BLACK, NON-HISP
<i>RacEth3</i>	Other	0.878	0.368	1.768	RacEth3 Other
<i>PARTNERED</i>	OTHER OR UNKNOWN	0.000	.	2.523	PARTNERED OTHER OR UNKNOWN
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1.141	0.711	1.784	PARTNERED SEPARATED, DIVORCED, WIDOWED
<i>PARTNERED</i>	SINGLE	1.176	0.724	1.864	PARTNERED SINGLE
<i>BMI_Max</i>		0.992	0.967	1.018	
<i>CurrSmoke_Max</i>		1.588	1.044	2.381	
<i>FormSmoke_Max</i>		2.127	1.464	3.123	
<i>HypLip_Max</i>		2.042	1.093	4.255	
<i>T2D_Max</i>		1.939	1.348	2.818	
<i>PriPulmHT_Max</i>		1.843	1.001	3.141	
<i>HT_Max</i>		11.538	3.587	70.562	
<i>DEPRIND_Max</i>		1.328	0.899	1.996	
<i>YRinter_Max</i>		0.931	0.820	1.077	

Time to Congestive Heart Failure Models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	CHF_Max
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	3951
Number of Observations Used	3492

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	353	3139	89.89

Convergence Status

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

Model Fit Statistics

Criterion	Without Covariates	With Covariates
-2 LOG L	5633.687	5573.472
AIC	5633.687	5581.472
SBC	5633.687	5596.938

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	60.2154	4	<.0001
Score	53.6308	4	<.0001
Wald	48.6048	4	<.0001

Time to Congestive Heart Failure Models**The PHREG Procedure**

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	42.3919	<.0001
<i>YRinter_Max</i>	1	3.6751	0.0552

Analysis of Maximum Likelihood Estimates

<i>Parameter</i>	<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>	<i>Hazard Ratio</i>	<i>95% Hazard Ratio Profile Likelihood Confidence Limits</i>			<i>Label</i>
<i>DisGroup</i>										
<i>DisGroup</i>	COMISA	1	1.52357	0.38635	15.5513	<.0001	4.589	2.324	10.815	DisGroup COMISA
<i>DisGroup</i>	Insomnia only	1	0.05670	0.50410	0.0126	0.9105	1.058	0.394	2.962	DisGroup Insomnia only
<i>DisGroup</i>	OSA only	1	1.05782	0.38635	7.4963	0.0062	2.880	1.459	6.788	DisGroup OSA only
<i>YRinter_Max</i>		1	0.08680	0.04528	3.6751	0.0552	1.091	1.002	1.197	

Time to Congestive Heart Failure Models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	CHF_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read 3951	
Number of Observations Used 3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK,NON-HISP	1	0	
	Other	0	1	
	WHITE,NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED,DIVORCED,WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	353	3139	89.89

Convergence Status

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

Time to Congestive Heart Failure Models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	5633.687	5319.256
AIC	5633.687	5341.256
SBC	5633.687	5383.787

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	314.4308	11	<.0001
<i>Score</i>	291.4327	11	<.0001
<i>Wald</i>	272.1286	11	<.0001

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	24.5745	<.0001
<i>Age_Max</i>	1	180.9072	<.0001
<i>GENDER</i>	1	2.7388	0.0979
<i>RacEth3</i>	2	24.6525	<.0001
<i>PARTNERED</i>	3	7.3946	0.0603
<i>YRinter_Max</i>	1	0.1706	0.6796

Time to Congestive Heart Failure Models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.88866	0.38820	5.2402	0.0221
DisGroup	Insomnia only	1	-0.06492	0.50458	0.0166	0.8976
DisGroup	OSA only	1	0.43326	0.38891	1.2410	0.2653
Age_Max		1	0.06246	0.00464	180.9072	<.0001
GENDER	MALE	1	0.18712	0.11307	2.7388	0.0979
RacEth3	BLACK, NON-HISP	1	0.80759	0.16500	23.9546	<.0001
RacEth3	Other	1	0.29496	0.20583	2.0535	0.1519
PARTNERED	OTHER OR UNKNOWN	1	-11.66427	208.09605	0.0031	0.9553
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.36628	0.13561	7.2954	0.0069
PARTNERED	SINGLE	1	0.06852	0.15416	0.1976	0.6567
YRinter_Max		1	-0.01854	0.04489	0.1706	0.6796

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	Label
DisGroup	COMISA	2.432	DisGroup COMISA
DisGroup	Insomnia only	0.937	DisGroup Insomnia only
DisGroup	OSA only	1.542	DisGroup OSA only
Age_Max		1.064	
GENDER	MALE	1.206	GENDER MALE
RacEth3	BLACK, NON-HISP	2.242	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.343	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.442	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.071	PARTNERED SINGLE
YRinter_Max		0.982	

Time to Congestive Heart Failure Models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	CHF_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read 3951	
Number of Observations Used 3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	353	3139	89.89

Convergence Status

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

Time to Congestive Heart Failure Models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	5633.687	5318.666
AIC	5633.687	5346.666
SBC	5633.687	5400.796

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	315.0215	14	<.0001
<i>Score</i>	292.5506	14	<.0001
<i>Wald</i>	271.8530	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	13.1155	0.0044
<i>Age_Max</i>	1	180.4371	<.0001
<i>GENDER</i>	1	0.2736	0.6010
<i>RacEth3</i>	2	24.6827	<.0001
<i>PARTNERED</i>	3	7.4994	0.0576
<i>YRinter_Max</i>	1	0.1918	0.6614
<i>DisGroup*GENDER</i>	3	0.4992	0.9191

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Congestive Heart Failure Models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.73304	0.42206	3.0165	0.0824
<i>DisGroup</i>	<i>Insomnia only</i>	1	-0.20830	0.57773	0.1300	0.7184
<i>DisGroup</i>	<i>OSA only</i>	1	0.28398	0.42573	0.4450	0.5047
<i>Age_Max</i>		1	0.06238	0.00464	180.4371	<.0001
<i>GENDER</i>	<i>MALE</i>	1	-0.56547	1.08114	0.2736	0.6010
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	0.80811	0.16503	23.9771	<.0001
<i>RacEth3</i>	<i>Other</i>	1	0.29541	0.20587	2.0590	0.1513
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-11.65692	207.54116	0.0032	0.9552
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.36918	0.13568	7.4041	0.0065
<i>PARTNERED</i>	<i>SINGLE</i>	1	0.07047	0.15422	0.2088	0.6477
<i>YRinter_Max</i>		1	-0.01968	0.04494	0.1918	0.6614
<i>DisGroup*GENDER</i>	<i>COMISA</i>	<i>MALE</i> 1	0.77115	1.09208	0.4986	0.4801
<i>DisGroup*GENDER</i>	<i>Insomnia only</i>	<i>MALE</i> 1	0.73818	1.29185	0.3265	0.5677
<i>DisGroup*GENDER</i>	<i>OSA only</i>	<i>MALE</i> 1	0.75574	1.09271	0.4783	0.4892

Time to Congestive Heart Failure Models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.064	1.055	1.074	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	2.244	1.605	3.069	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.344	0.876	1.971	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	0.723	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.447	1.104	1.880	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.073	0.788	1.443	PARTNERED SINGLE
YRinter_Max		0.981	0.901	1.075	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At GENDER=FEMALE	2.081	0.910	4.760
DisGroup COMISA vs Insomnia only At GENDER=FEMALE	2.563	1.122	5.856
DisGroup COMISA vs OSA only At GENDER=FEMALE	1.567	1.156	2.123
DisGroup Control vs Insomnia only At GENDER=FEMALE	1.232	0.397	3.821
DisGroup Control vs OSA only At GENDER=FEMALE	0.753	0.327	1.734
DisGroup Insomnia only vs OSA only At GENDER=FEMALE	0.611	0.266	1.407
DisGroup COMISA vs Control At GENDER=MALE	4.501	0.623	32.521
DisGroup COMISA vs Insomnia only At GENDER=MALE	2.649	0.834	8.421
DisGroup COMISA vs OSA only At GENDER=MALE	1.591	1.171	2.162
DisGroup Control vs Insomnia only At GENDER=MALE	0.589	0.061	5.672
DisGroup Control vs OSA only At GENDER=MALE	0.354	0.049	2.548
DisGroup Insomnia only vs OSA only At GENDER=MALE	0.601	0.190	1.902

Time to Congestive Heart Failure Models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	CHF_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	353	3139	89.89

Convergence Status

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

Time to Congestive Heart Failure Models**The PHREG Procedure**

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	5633.687	5306.860
AIC	5633.687	5334.860
SBC	5633.687	5388.991

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	326.8268	14	<.0001
Score	301.8130	14	<.0001
Wald	251.6664	14	<.0001

Joint Tests			
Effect	DF	Wald Chi-Square	Pr > ChiSq
DisGroup	3	18.6439	0.0003
Age_Max	1	12.3238	0.0004
GENDER	1	3.0155	0.0825
RacEth3	2	26.6394	<.0001
PARTNERED	3	7.1252	0.0680
YRinter_Max	1	0.2364	0.6268
Age_Max*DisGroup	3	12.2973	0.0064

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Congestive Heart Failure Models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	3.58213	1.77853	4.0566	0.0440
DisGroup	Insomnia only	1	0.04737	2.52779	0.0004	0.9850
DisGroup	OSA only	1	1.11033	1.79702	0.3818	0.5367
Age_Max		1	0.08872	0.02527	12.3238	0.0004
GENDER	MALE	1	0.19693	0.11340	3.0155	0.0825
RacEth3	BLACK, NON-HISP	1	0.83581	0.16520	25.5976	<.0001
RacEth3	Other	1	0.34169	0.20637	2.7413	0.0978
PARTNERED	OTHER OR UNKNOWN	1	-11.72138	211.85488	0.0031	0.9559
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.35912	0.13553	7.0216	0.0081
PARTNERED	SINGLE	1	0.06561	0.15489	0.1794	0.6719
YRinter_Max		1	-0.02177	0.04478	0.2364	0.6268
Age_Max*DisGroup	COMISA	1	-0.04102	0.02590	2.5078	0.1133
Age_Max*DisGroup	Insomnia only	1	-0.00234	0.03675	0.0040	0.9493
Age_Max*DisGroup	OSA only	1	-0.01189	0.02609	0.2077	0.6486

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	Label
DisGroup	COMISA	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	DisGroup OSA only
Age_Max		.	.	
GENDER	MALE	1.218	0.975 1.521	GENDER MALE
RacEth3	BLACK, NON-HISP	2.307	1.649 3.156	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.407	0.917 2.066	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	. 0.706	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.432	1.093 1.861	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.068	0.783 1.438	PARTNERED SINGLE
YRinter_Max		0.978	0.900 1.073	
Age_Max*DisGroup	COMISA	.	.	DisGroup COMISA * Age_Max
Age_Max*DisGroup	Insomnia only	.	.	DisGroup Insomnia only * Age_Max
Age_Max*DisGroup	OSA only	.	.	DisGroup OSA only * Age_Max

Time to Congestive Heart Failure Models**The PHREG Procedure**

<i>Hazard Ratios for DisGroup</i>			
<i>Description</i>	<i>Point Estimate</i>	<i>95% Wald Confidence Limits</i>	
<i>DisGroup COMISA vs Control At Age_Max=49</i>	4.817	1.469	15.798
<i>DisGroup COMISA vs Insomnia only At Age_Max=49</i>	5.151	1.538	17.253
<i>DisGroup COMISA vs OSA only At Age_Max=49</i>	2.842	1.860	4.341
<i>DisGroup Control vs Insomnia only At Age_Max=49</i>	1.069	0.205	5.589
<i>DisGroup Control vs OSA only At Age_Max=49</i>	0.590	0.177	1.968
<i>DisGroup Insomnia only vs OSA only At Age_Max=49</i>	0.552	0.162	1.880
<i>DisGroup COMISA vs Control At Age_Max=61</i>	2.944	1.301	6.664
<i>DisGroup COMISA vs Insomnia only At Age_Max=61</i>	3.238	1.512	6.934
<i>DisGroup COMISA vs OSA only At Age_Max=61</i>	2.003	1.538	2.609
<i>DisGroup Control vs Insomnia only At Age_Max=61</i>	1.100	0.369	3.275
<i>DisGroup Control vs OSA only At Age_Max=61</i>	0.680	0.298	1.554
<i>DisGroup Insomnia only vs OSA only At Age_Max=61</i>	0.619	0.286	1.338
<i>DisGroup COMISA vs Control At Age_Max=71</i>	1.953	0.892	4.280
<i>DisGroup COMISA vs Insomnia only At Age_Max=71</i>	2.199	1.099	4.402
<i>DisGroup COMISA vs OSA only At Age_Max=71</i>	1.497	1.201	1.866
<i>DisGroup Control vs Insomnia only At Age_Max=71</i>	1.126	0.405	3.130
<i>DisGroup Control vs OSA only At Age_Max=71</i>	0.766	0.349	1.681
<i>DisGroup Insomnia only vs OSA only At Age_Max=71</i>	0.681	0.340	1.364

Time to Congestive Heart Failure Models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	CHF_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	353	3139	89.89

Convergence Status

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

Time to Congestive Heart Failure Models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	5633.687	5318.666
AIC	5633.687	5346.666
SBC	5633.687	5400.796

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	315.0215	14	<.0001
<i>Score</i>	292.5506	14	<.0001
<i>Wald</i>	271.8530	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	13.1155	0.0044
<i>Age_Max</i>	1	180.4371	<.0001
<i>GENDER</i>	1	0.2736	0.6010
<i>RacEth3</i>	2	24.6827	<.0001
<i>PARTNERED</i>	3	7.4994	0.0576
<i>YRinter_Max</i>	1	0.1918	0.6614
<i>DisGroup*GENDER</i>	3	0.4992	0.9191

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Congestive Heart Failure Models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.73304	0.42206	3.0165	0.0824
<i>DisGroup</i>	<i>Insomnia only</i>	1	-0.20830	0.57773	0.1300	0.7184
<i>DisGroup</i>	<i>OSA only</i>	1	0.28398	0.42573	0.4450	0.5047
<i>Age_Max</i>		1	0.06238	0.00464	180.4371	<.0001
<i>GENDER</i>	<i>MALE</i>	1	-0.56547	1.08114	0.2736	0.6010
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	0.80811	0.16503	23.9771	<.0001
<i>RacEth3</i>	<i>Other</i>	1	0.29541	0.20587	2.0590	0.1513
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-11.65692	207.54116	0.0032	0.9552
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.36918	0.13568	7.4041	0.0065
<i>PARTNERED</i>	<i>SINGLE</i>	1	0.07047	0.15422	0.2088	0.6477
<i>YRinter_Max</i>		1	-0.01968	0.04494	0.1918	0.6614
<i>DisGroup*GENDER</i>	<i>COMISA</i>	<i>MALE</i> 1	0.77115	1.09208	0.4986	0.4801
<i>DisGroup*GENDER</i>	<i>Insomnia only</i>	<i>MALE</i> 1	0.73818	1.29185	0.3265	0.5677
<i>DisGroup*GENDER</i>	<i>OSA only</i>	<i>MALE</i> 1	0.75574	1.09271	0.4783	0.4892

Time to Congestive Heart Failure Models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.064	1.055	1.074	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	2.244	1.605	3.069	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.344	0.876	1.971	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	0.723	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.447	1.104	1.880	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.073	0.788	1.443	PARTNERED SINGLE
YRinter_Max		0.981	0.901	1.075	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=FEMALE	2.081	0.910	4.760
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	2.563	1.122	5.856
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.567	1.156	2.123
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.232	0.397	3.821
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.753	0.327	1.734
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.611	0.266	1.407
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=MALE	4.501	0.623	32.521
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	2.649	0.834	8.421
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	1.591	1.171	2.162
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.589	0.061	5.672
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.354	0.049	2.548
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.601	0.190	1.902
DisGroup COMISA vs Control At RacEth3=Other GENDER=FEMALE	2.081	0.910	4.760
DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=FEMALE	2.563	1.122	5.856
DisGroup COMISA vs OSA only At RacEth3=Other GENDER=FEMALE	1.567	1.156	2.123

Time to Congestive Heart Failure Models

The PHREG Procedure

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup Control vs Insomnia only At RacEth3=Other GENDER=FEMALE	1.232	0.397	3.821
DisGroup Control vs OSA only At RacEth3=Other GENDER=FEMALE	0.753	0.327	1.734
DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=FEMALE	0.611	0.266	1.407
DisGroup COMISA vs Control At RacEth3=Other GENDER=MALE	4.501	0.623	32.521
DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=MALE	2.649	0.834	8.421
DisGroup COMISA vs OSA only At RacEth3=Other GENDER=MALE	1.591	1.171	2.162
DisGroup Control vs Insomnia only At RacEth3=Other GENDER=MALE	0.589	0.061	5.672
DisGroup Control vs OSA only At RacEth3=Other GENDER=MALE	0.354	0.049	2.548
DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=MALE	0.601	0.190	1.902
DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=FEMALE	2.081	0.910	4.760
DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	2.563	1.122	5.856
DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	1.567	1.156	2.123
DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	1.232	0.397	3.821
DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	0.753	0.327	1.734
DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	0.611	0.266	1.407
DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=MALE	4.501	0.623	32.521
DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE	2.649	0.834	8.421
DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	1.591	1.171	2.162
DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE	0.589	0.061	5.672
DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	0.354	0.049	2.548
DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	0.601	0.190	1.902

Time to Congestive Heart Failure Models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	CHF_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read 3951	
Number of Observations Used 3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	314	2920	90.29

Convergence Status

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

Time to Congestive Heart Failure Models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	4965.922	4562.955
AIC	4965.922	4590.955
SBC	4965.922	4643.446

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	402.9675	14	<.0001
<i>Score</i>	357.4563	14	<.0001
<i>Wald</i>	323.5396	14	<.0001

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	16.0100	0.0011
<i>Age_Max</i>	1	173.0438	<.0001
<i>GENDER</i>	1	4.7611	0.0291
<i>RacEth3</i>	2	14.0533	0.0009
<i>PARTNERED</i>	3	4.8143	0.1859
<i>BMI_Max</i>	1	62.9574	<.0001
<i>CurrSmoke_Max</i>	1	11.4393	0.0007
<i>FormSmoke_Max</i>	1	35.7762	<.0001
<i>YRinter_Max</i>	1	0.7874	0.3749

Time to Congestive Heart Failure Models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.38582	0.39158	0.9708	0.3245
DisGroup	Insomnia only	1	-0.38162	0.53621	0.5065	0.4766
DisGroup	OSA only	1	-0.05054	0.39351	0.0165	0.8978
Age_Max		1	0.07465	0.00567	173.0438	<.0001
GENDER	MALE	1	0.26491	0.12141	4.7611	0.0291
RacEth3	BLACK, NON-HISP	1	0.62130	0.17410	12.7355	0.0004
RacEth3	Other	1	0.35857	0.22906	2.4504	0.1175
PARTNERED	OTHER OR UNKNOWN	1	-11.51019	212.19424	0.0029	0.9567
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.25127	0.14535	2.9886	0.0839
PARTNERED	SINGLE	1	-0.13599	0.16664	0.6660	0.4145
BMI_Max		1	0.05727	0.00722	62.9574	<.0001
CurrSmoke_Max		1	0.47598	0.14073	11.4393	0.0007
FormSmoke_Max		1	0.73195	0.12237	35.7762	<.0001
YRinter_Max		1	-0.04193	0.04726	0.7874	0.3749

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	Label
DisGroup	COMISA	1.471	0.736 3.494	DisGroup COMISA
DisGroup	Insomnia only	0.683	0.233 2.000	DisGroup Insomnia only
DisGroup	OSA only	0.951	0.473 2.265	DisGroup OSA only
Age_Max		1.078	1.066 1.090	
GENDER	MALE	1.303	1.027 1.654	GENDER MALE
RacEth3	BLACK, NON-HISP	1.861	1.307 2.590	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.431	0.887 2.186	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	. 0.880	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.286	0.962 1.702	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	0.873	0.625 1.202	PARTNERED SINGLE
BMI_Max		1.059	1.044 1.074	
CurrSmoke_Max		1.610	1.216 2.113	
FormSmoke_Max		2.079	1.637 2.646	
YRinter_Max		0.959	0.878 1.057	

Time to Congestive Heart Failure Models**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	CHF_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	314	2920	90.29

Convergence Status

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

Time to Congestive Heart Failure Models**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	4965.922	4400.606
AIC	4965.922	4438.606
SBC	4965.922	4509.845

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	565.3159	19	<.0001
<i>Score</i>	607.6503	19	<.0001
<i>Wald</i>	411.2702	19	<.0001

<i>Type 3 Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	7.6075	0.0549
<i>Age_Max</i>	1	96.8337	<.0001
<i>GENDER</i>	1	6.8586	0.0088
<i>RacEth3</i>	2	10.0221	0.0067
<i>PARTNERED</i>	3	3.3894	0.3354
<i>BMI_Max</i>	1	30.6485	<.0001
<i>CurrSmoke_Max</i>	1	8.2393	0.0041
<i>FormSmoke_Max</i>	1	21.4873	<.0001
<i>HypLip_Max</i>	1	6.0032	0.0143
<i>T2D_Max</i>	1	9.4684	0.0021
<i>PriPulmHT_Max</i>	1	72.4807	<.0001
<i>HT_Max</i>	1	25.0910	<.0001
<i>DEPRIND_Max</i>	1	14.5862	0.0001
<i>YRinter_Max</i>	1	4.4745	0.0344

Time to Congestive Heart Failure Models**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	<i>COMISA</i>	1	0.06341	0.39252	0.0261	0.8717
<i>DisGroup</i>	<i>Insomnia only</i>	1	-0.52920	0.53787	0.9680	0.3252
<i>DisGroup</i>	<i>OSA only</i>	1	-0.23019	0.39329	0.3426	0.5583
<i>Age_Max</i>		1	0.05969	0.00607	96.8337	<.0001
<i>GENDER</i>	<i>MALE</i>	1	0.32682	0.12479	6.8586	0.0088
<i>RacEth3</i>	<i>BLACK, NON-HISP</i>	1	0.53935	0.17814	9.1668	0.0025
<i>RacEth3</i>	<i>Other</i>	1	0.31055	0.23119	1.8044	0.1792
<i>PARTNERED</i>	<i>OTHER OR UNKNOWN</i>	1	-12.26952	344.51099	0.0013	0.9716
<i>PARTNERED</i>	<i>SEPARATED, DIVORCED, WIDOWED</i>	1	0.18648	0.14579	1.6360	0.2009
<i>PARTNERED</i>	<i>SINGLE</i>	1	-0.15398	0.16783	0.8417	0.3589
<i>BMI_Max</i>		1	0.04270	0.00771	30.6485	<.0001
<i>CurrSmoke_Max</i>		1	0.40803	0.14215	8.2393	0.0041
<i>FormSmoke_Max</i>		1	0.57212	0.12342	21.4873	<.0001
<i>HypLip_Max</i>		1	0.49561	0.20228	6.0032	0.0143
<i>T2D_Max</i>		1	0.37215	0.12094	9.4684	0.0021
<i>PriPulmHT_Max</i>		1	1.31011	0.15389	72.4807	<.0001
<i>HT_Max</i>		1	1.82808	0.36495	25.0910	<.0001
<i>DEPRIND_Max</i>		1	0.53707	0.14062	14.5862	0.0001
<i>YRinter_Max</i>		1	-0.09770	0.04619	4.4745	0.0344

Time to Congestive Heart Failure Models

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	1.065	0.532	2.535	DisGroup COMISA
DisGroup	Insomnia only	0.589	0.200	1.731	DisGroup Insomnia only
DisGroup	OSA only	0.794	0.396	1.892	DisGroup OSA only
Age_Max		1.062	1.049	1.074	
GENDER	MALE	1.387	1.085	1.771	GENDER MALE
RacEth3	BLACK, NON-HISP	1.715	1.195	2.406	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.364	0.842	2.094	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	0.000	.	1.090	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.205	0.901	1.597	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	0.857	0.612	1.183	PARTNERED SINGLE
BMI_Max		1.044	1.028	1.059	
CurrSmoke_Max		1.504	1.133	1.980	
FormSmoke_Max		1.772	1.393	2.260	
HypLip_Max		1.642	1.122	2.486	
T2D_Max		1.451	1.146	1.842	
PriPulmHT_Max		3.707	2.717	4.972	
HT_Max		6.222	3.252	13.857	
DEPRIND_Max		1.711	1.305	2.266	
YRinter_Max		0.907	0.832	0.997	

Time to Stroke**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	Stroke_Max
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	3951
Number of Observations Used	3492

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	512	2980	85.34

Convergence Status

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

Model Fit Statistics

Criterion	Without Covariates	With Covariates
-2 LOG L	8167.681	8125.582
AIC	8167.681	8133.582
SBC	8167.681	8150.535

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	42.0990	4	<.0001
Score	34.3369	4	<.0001
Wald	31.8034	4	<.0001

Time to Stroke**The PHREG Procedure**

Type 3 Tests			
Effect	DF	Wald Chi-Square	Pr > ChiSq
DisGroup	3	26.1117	<.0001
YRinter_Max	1	3.9676	0.0464

Analysis of Maximum Likelihood Estimates

Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	Label
DisGroup COMISA	1	1.24442	0.31026	16.0875	<.0001	3.471	1.985 6.778	DisGroup COMISA
DisGroup Insomnia only	1	0.45596	0.37233	1.4997	0.2207	1.578	0.776 3.394	DisGroup Insomnia only
DisGroup OSA only	1	1.13845	0.30779	13.6811	0.0002	3.122	1.796 6.073	DisGroup OSA only
YRinter_Max	1	0.07336	0.03683	3.9676	0.0464	1.076	1.004 1.160	

Time to Stroke**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	Stroke_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	512	2980	85.34

Convergence Status

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

Time to Stroke**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	8167.681	7740.793
AIC	8167.681	7762.793
SBC	8167.681	7809.415

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	426.8882	11	<.0001
<i>Score</i>	390.8192	11	<.0001
<i>Wald</i>	365.5900	11	<.0001

Type 3 Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	4.8161	0.1858
<i>Age_Max</i>	1	296.0154	<.0001
<i>GENDER</i>	1	3.2703	0.0705
<i>RacEth3</i>	2	12.5979	0.0018
<i>PARTNERED</i>	3	5.5012	0.1386
<i>YRinter_Max</i>	1	0.6496	0.4202

Time to Stroke

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.57839	0.31182	3.4406	0.0636
DisGroup	Insomnia only	1	0.31605	0.37281	0.7187	0.3966
DisGroup	OSA only	1	0.47315	0.31001	2.3293	0.1270
Age_Max		1	0.06724	0.00391	296.0154	<.0001
GENDER	MALE	1	0.16928	0.09361	3.2703	0.0705
RacEth3	BLACK, NON-HISP	1	0.54004	0.15268	12.5104	0.0004
RacEth3	Other	1	0.12023	0.18412	0.4264	0.5137
PARTNERED	OTHER OR UNKNOWN	1	0.16289	0.45425	0.1286	0.7199
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.26922	0.11545	5.4374	0.0197
PARTNERED	SINGLE	1	0.05911	0.13021	0.2061	0.6499
YRinter_Max		1	-0.02947	0.03657	0.6496	0.4202

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	Label
DisGroup	COMISA	1.783	DisGroup COMISA
DisGroup	Insomnia only	1.372	DisGroup Insomnia only
DisGroup	OSA only	1.605	DisGroup OSA only
Age_Max		1.070	
GENDER	MALE	1.184	GENDER MALE
RacEth3	BLACK, NON-HISP	1.716	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.128	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	1.177	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.309	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.061	PARTNERED SINGLE
YRinter_Max		0.971	

Time to Stroke**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	Stroke_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	512	2980	85.34

Convergence Status

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

Time to Stroke**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	8167.681	7733.624
AIC	8167.681	7761.624
SBC	8167.681	7820.961

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	434.0568	14	<.0001
<i>Score</i>	393.3464	14	<.0001
<i>Wald</i>	358.9875	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	1.4762	0.6878
<i>Age_Max</i>	1	293.9602	<.0001
<i>GENDER</i>	1	0.0031	0.9558
<i>RacEth3</i>	2	12.7331	0.0017
<i>PARTNERED</i>	3	5.7180	0.1262
<i>YRinter_Max</i>	1	0.7980	0.3717
<i>DisGroup*GENDER</i>	3	0.4117	0.9378

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Stroke

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.24371	0.31738	0.5897	0.4426
DisGroup	Insomnia only	1	-0.05396	0.40996	0.0173	0.8953
DisGroup	OSA only	1	0.18445	0.31552	0.3417	0.5588
Age_Max		1	0.06703	0.00391	293.9602	<.0001
GENDER	MALE	1	-11.94372	215.65818	0.0031	0.9558
RacEth3	BLACK, NON-HISP	1	0.54291	0.15269	12.6430	0.0004
RacEth3	Other	1	0.12103	0.18415	0.4320	0.5110
PARTNERED	OTHER OR UNKNOWN	1	0.16475	0.45415	0.1316	0.7168
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.27453	0.11548	5.6513	0.0174
PARTNERED	SINGLE	1	0.05915	0.13022	0.2063	0.6497
YRinter_Max		1	-0.03270	0.03660	0.7980	0.3717
DisGroup*GENDER	COMISA	MALE 1	12.18671	215.65823	0.0032	0.9549
DisGroup*GENDER	Insomnia only	MALE 1	12.29991	215.65865	0.0033	0.9545
DisGroup*GENDER	OSA only	MALE 1	12.08963	215.65822	0.0031	0.9553

Time to Stroke

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.069	1.061	1.078	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	1.721	1.262	2.299	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.129	0.771	1.592	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	1.179	0.419	2.579	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.316	1.046	1.645	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.061	0.818	1.363	PARTNERED SINGLE
YRinter_Max		0.968	0.903	1.043	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At GENDER=FEMALE	1.276	0.685	2.377
DisGroup COMISA vs Insomnia only At GENDER=FEMALE	1.347	0.757	2.397
DisGroup COMISA vs OSA only At GENDER=FEMALE	1.061	0.820	1.373
DisGroup Control vs Insomnia only At GENDER=FEMALE	1.055	0.473	2.357
DisGroup Control vs OSA only At GENDER=FEMALE	0.832	0.448	1.543
DisGroup Insomnia only vs OSA only At GENDER=FEMALE	0.788	0.444	1.397
DisGroup COMISA vs Control At GENDER=MALE	250301.2	0.000	9.27E188
DisGroup COMISA vs Insomnia only At GENDER=MALE	1.203	0.583	2.483
DisGroup COMISA vs OSA only At GENDER=MALE	1.169	0.903	1.514
DisGroup Control vs Insomnia only At GENDER=MALE	0.000	0.000	1.78E178
DisGroup Control vs OSA only At GENDER=MALE	0.000	0.000	1.73E178
DisGroup Insomnia only vs OSA only At GENDER=MALE	0.972	0.476	1.985

Time to Stroke**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	Stroke_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read 3951	
Number of Observations Used 3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	512	2980	85.34

Convergence Status

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

Time to Stroke**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	8167.681	7738.729
AIC	8167.681	7766.729
SBC	8167.681	7826.066

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	428.9520	14	<.0001
<i>Score</i>	403.4181	14	<.0001
<i>Wald</i>	359.1265	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	3.0473	0.3844
<i>Age_Max</i>	1	13.0916	0.0003
<i>GENDER</i>	1	3.3734	0.0663
<i>RacEth3</i>	2	12.9315	0.0016
<i>PARTNERED</i>	3	5.4147	0.1438
<i>YRinter_Max</i>	1	0.7294	0.3931
<i>Age_Max*DisGroup</i>	3	2.0511	0.5619

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Stroke

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	1.20157	1.32123	0.8271	0.3631
DisGroup	Insomnia only	1	-0.25236	1.69645	0.0221	0.8817
DisGroup	OSA only	1	0.43421	1.30887	0.1101	0.7401
Age_Max		1	0.07048	0.01948	13.0916	0.0003
GENDER	MALE	1	0.17213	0.09372	3.3734	0.0663
RacEth3	BLACK, NON-HISP	1	0.54694	0.15285	12.8042	0.0003
RacEth3	Other	1	0.13396	0.18444	0.5275	0.4677
PARTNERED	OTHER OR UNKNOWN	1	0.15432	0.45429	0.1154	0.7341
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.26739	0.11547	5.3625	0.0206
PARTNERED	SINGLE	1	0.06072	0.13034	0.2170	0.6413
YRinter_Max		1	-0.03121	0.03654	0.7294	0.3931
Age_Max*DisGroup	COMISA	1	-0.00926	0.02025	0.2092	0.6474
Age_Max*DisGroup	Insomnia only	1	0.00855	0.02568	0.1110	0.7390
Age_Max*DisGroup	OSA only	1	0.0002206	0.02007	0.0001	0.9912

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	Label
DisGroup	COMISA	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	DisGroup OSA only
Age_Max		.	.	
GENDER	MALE	1.188	0.989 1.428	GENDER MALE
RacEth3	BLACK, NON-HISP	1.728	1.267 2.309	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.143	0.781 1.613	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	1.167	0.414 2.553	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.307	1.038 1.633	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.063	0.819 1.365	PARTNERED SINGLE
YRinter_Max		0.969	0.904 1.044	
Age_Max*DisGroup	COMISA	.	.	DisGroup COMISA * Age_Max
Age_Max*DisGroup	Insomnia only	.	.	DisGroup Insomnia only * Age_Max
Age_Max*DisGroup	OSA only	.	.	DisGroup OSA only * Age_Max

Time to Stroke**The PHREG Procedure**

<i>Hazard Ratios for DisGroup</i>			
<i>Description</i>	<i>Point Estimate</i>	<i>95% Wald Confidence Limits</i>	
<i>DisGroup COMISA vs Control At Age_Max=49</i>	2.112	0.914	4.882
<i>DisGroup COMISA vs Insomnia only At Age_Max=49</i>	1.788	0.831	3.848
<i>DisGroup COMISA vs OSA only At Age_Max=49</i>	1.354	0.941	1.948
<i>DisGroup Control vs Insomnia only At Age_Max=49</i>	0.846	0.290	2.468
<i>DisGroup Control vs OSA only At Age_Max=49</i>	0.641	0.279	1.470
<i>DisGroup Insomnia only vs OSA only At Age_Max=49</i>	0.757	0.354	1.618
<i>DisGroup COMISA vs Control At Age_Max=61</i>	1.890	1.017	3.513
<i>DisGroup COMISA vs Insomnia only At Age_Max=61</i>	1.444	0.881	2.366
<i>DisGroup COMISA vs OSA only At Age_Max=61</i>	1.208	0.964	1.514
<i>DisGroup Control vs Insomnia only At Age_Max=61</i>	0.764	0.359	1.627
<i>DisGroup Control vs OSA only At Age_Max=61</i>	0.639	0.345	1.184
<i>DisGroup Insomnia only vs OSA only At Age_Max=61</i>	0.837	0.513	1.366
<i>DisGroup COMISA vs Control At Age_Max=71</i>	1.723	0.871	3.410
<i>DisGroup COMISA vs Insomnia only At Age_Max=71</i>	1.208	0.752	1.942
<i>DisGroup COMISA vs OSA only At Age_Max=71</i>	1.099	0.914	1.321
<i>DisGroup Control vs Insomnia only At Age_Max=71</i>	0.701	0.313	1.571
<i>DisGroup Control vs OSA only At Age_Max=71</i>	0.638	0.323	1.258
<i>DisGroup Insomnia only vs OSA only At Age_Max=71</i>	0.909	0.568	1.456

Time to Stroke**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	Stroke_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read 3951	
Number of Observations Used 3492	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3492	512	2980	85.34

Convergence Status

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

Time to Stroke**The PHREG Procedure**

<i>Model Fit Statistics</i>		
<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	8167.681	7733.624
AIC	8167.681	7761.624
SBC	8167.681	7820.961

<i>Testing Global Null Hypothesis: BETA=0</i>			
<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	434.0568	14	<.0001
<i>Score</i>	393.3464	14	<.0001
<i>Wald</i>	358.9875	14	<.0001

<i>Joint Tests</i>			
<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	1.4762	0.6878
<i>Age_Max</i>	1	293.9602	<.0001
<i>GENDER</i>	1	0.0031	0.9558
<i>RacEth3</i>	2	12.7331	0.0017
<i>PARTNERED</i>	3	5.7180	0.1262
<i>YRinter_Max</i>	1	0.7980	0.3717
<i>DisGroup*GENDER</i>	3	0.4117	0.9378

Note: Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all of the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

Time to Stroke

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.24371	0.31738	0.5897	0.4426
DisGroup	Insomnia only	1	-0.05396	0.40996	0.0173	0.8953
DisGroup	OSA only	1	0.18445	0.31552	0.3417	0.5588
Age_Max		1	0.06703	0.00391	293.9602	<.0001
GENDER	MALE	1	-11.94372	215.65818	0.0031	0.9558
RacEth3	BLACK, NON-HISP	1	0.54291	0.15269	12.6430	0.0004
RacEth3	Other	1	0.12103	0.18415	0.4320	0.5110
PARTNERED	OTHER OR UNKNOWN	1	0.16475	0.45415	0.1316	0.7168
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.27453	0.11548	5.6513	0.0174
PARTNERED	SINGLE	1	0.05915	0.13022	0.2063	0.6497
YRinter_Max		1	-0.03270	0.03660	0.7980	0.3717
DisGroup*GENDER	COMISA	MALE 1	12.18671	215.65823	0.0032	0.9549
DisGroup*GENDER	Insomnia only	MALE 1	12.29991	215.65865	0.0033	0.9545
DisGroup*GENDER	OSA only	MALE 1	12.08963	215.65822	0.0031	0.9553

Time to Stroke

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	.	.	.	DisGroup COMISA
DisGroup	Insomnia only	.	.	.	DisGroup Insomnia only
DisGroup	OSA only	.	.	.	DisGroup OSA only
Age_Max		1.069	1.061	1.078	
GENDER	MALE	.	.	.	GENDER MALE
RacEth3	BLACK, NON-HISP	1.721	1.262	2.299	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.129	0.771	1.592	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	1.179	0.419	2.579	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.316	1.046	1.645	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	1.061	0.818	1.363	PARTNERED SINGLE
YRinter_Max		0.968	0.903	1.043	
DisGroup*GENDER	COMISA	MALE	.	.	DisGroup COMISA * GENDER MALE
DisGroup*GENDER	Insomnia only	MALE	.	.	DisGroup Insomnia only * GENDER MALE
DisGroup*GENDER	OSA only	MALE	.	.	DisGroup OSA only * GENDER MALE

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.276	0.685	2.377
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.347	0.757	2.397
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.061	0.820	1.373
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	1.055	0.473	2.357
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.832	0.448	1.543
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=FEMALE	0.788	0.444	1.397
DisGroup COMISA vs Control At RacEth3=BLACK, NON-HISP GENDER=MALE	250301.2	0.000	9.27E188
DisGroup COMISA vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	1.203	0.583	2.483
DisGroup COMISA vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	1.169	0.903	1.514
DisGroup Control vs Insomnia only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.000	0.000	1.78E178
DisGroup Control vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.000	0.000	1.73E178
DisGroup Insomnia only vs OSA only At RacEth3=BLACK, NON-HISP GENDER=MALE	0.972	0.476	1.985
DisGroup COMISA vs Control At RacEth3=Other GENDER=FEMALE	1.276	0.685	2.377
DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=FEMALE	1.347	0.757	2.397
DisGroup COMISA vs OSA only At RacEth3=Other GENDER=FEMALE	1.061	0.820	1.373

Time to Stroke

The PHREG Procedure

Hazard Ratios for DisGroup

Description	Point Estimate	95% Wald Confidence Limits	
DisGroup Control vs Insomnia only At RacEth3=Other GENDER=FEMALE	1.055	0.473	2.357
DisGroup Control vs OSA only At RacEth3=Other GENDER=FEMALE	0.832	0.448	1.543
DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=FEMALE	0.788	0.444	1.397
DisGroup COMISA vs Control At RacEth3=Other GENDER=MALE	250301.2	0.000	9.27E188
DisGroup COMISA vs Insomnia only At RacEth3=Other GENDER=MALE	1.203	0.583	2.483
DisGroup COMISA vs OSA only At RacEth3=Other GENDER=MALE	1.169	0.903	1.514
DisGroup Control vs Insomnia only At RacEth3=Other GENDER=MALE	0.000	0.000	1.78E178
DisGroup Control vs OSA only At RacEth3=Other GENDER=MALE	0.000	0.000	1.73E178
DisGroup Insomnia only vs OSA only At RacEth3=Other GENDER=MALE	0.972	0.476	1.985
DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=FEMALE	1.276	0.685	2.377
DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	1.347	0.757	2.397
DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	1.061	0.820	1.373
DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	1.055	0.473	2.357
DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	0.832	0.448	1.543
DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=FEMALE	0.788	0.444	1.397
DisGroup COMISA vs Control At RacEth3=WHITE, NON-HISP GENDER=MALE	250301.2	0.000	9.27E188
DisGroup COMISA vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE	1.203	0.583	2.483
DisGroup COMISA vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	1.169	0.903	1.514
DisGroup Control vs Insomnia only At RacEth3=WHITE, NON-HISP GENDER=MALE	0.000	0.000	1.78E178
DisGroup Control vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	0.000	0.000	1.73E178
DisGroup Insomnia only vs OSA only At RacEth3=WHITE, NON-HISP GENDER=MALE	0.972	0.476	1.985

Time to Stroke**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	Stroke_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	465	2769	85.62

Convergence Status

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

Time to Stroke**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	7349.281	6930.291
AIC	7349.281	6958.291
SBC	7349.281	7016.280

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	418.9897	14	<.0001
<i>Score</i>	385.2012	14	<.0001
<i>Wald</i>	353.2508	14	<.0001

Type 3 Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	3.4092	0.3327
<i>Age_Max</i>	1	229.6986	<.0001
<i>GENDER</i>	1	1.9289	0.1649
<i>RacEth3</i>	2	9.3758	0.0092
<i>PARTNERED</i>	3	2.6444	0.4498
<i>BMI_Max</i>	1	0.6631	0.4155
<i>CurrSmoke_Max</i>	1	6.0580	0.0138
<i>FormSmoke_Max</i>	1	19.1527	<.0001
<i>YRinter_Max</i>	1	1.6597	0.1976

Time to Stroke

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq
DisGroup	COMISA	1	0.52544	0.32839	2.5601	0.1096
DisGroup	Insomnia only	1	0.32719	0.38847	0.7094	0.3997
DisGroup	OSA only	1	0.42796	0.32751	1.7074	0.1913
Age_Max		1	0.06739	0.00445	229.6986	<.0001
GENDER	MALE	1	0.13714	0.09875	1.9289	0.1649
RacEth3	BLACK, NON-HISP	1	0.48137	0.15900	9.1659	0.0025
RacEth3	Other	1	0.14712	0.19703	0.5576	0.4552
PARTNERED	OTHER OR UNKNOWN	1	0.09280	0.50817	0.0333	0.8551
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1	0.18556	0.12260	2.2907	0.1302
PARTNERED	SINGLE	1	-0.02557	0.13706	0.0348	0.8520
BMI_Max		1	0.00556	0.00683	0.6631	0.4155
CurrSmoke_Max		1	0.30453	0.12373	6.0580	0.0138
FormSmoke_Max		1	0.43267	0.09886	19.1527	<.0001
YRinter_Max		1	-0.04870	0.03780	1.6597	0.1976

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits	Label
DisGroup	COMISA	1.691	0.937 3.441	DisGroup COMISA
DisGroup	Insomnia only	1.387	0.663 3.097	DisGroup Insomnia only
DisGroup	OSA only	1.534	0.852 3.117	DisGroup OSA only
Age_Max		1.070	1.060 1.079	
GENDER	MALE	1.147	0.945 1.392	GENDER MALE
RacEth3	BLACK, NON-HISP	1.618	1.171 2.188	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.158	0.770 1.672	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	1.097	0.337 2.604	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.204	0.943 1.525	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	0.975	0.741 1.268	PARTNERED SINGLE
BMI_Max		1.006	0.992 1.019	
CurrSmoke_Max		1.356	1.059 1.721	
FormSmoke_Max		1.541	1.270 1.871	
YRinter_Max		0.952	0.887 1.029	

Time to Stroke**The PHREG Procedure**

Model Information	
Data Set	R3.WORKREADY
Dependent Variable	SDDtoMACEyr
Censoring Variable	Stroke_Max
Censoring Value(s)	0
Ties Handling	BRESLOW
Number of Observations Read	
3951	
Number of Observations Used	
3234	

Class Level Information				
Class	Value	Design Variables		
DisGroup	COMISA	1	0	0
	Control	0	0	0
	Insomnia only	0	1	0
	OSA only	0	0	1
GENDER	FEMALE	0		
	MALE	1		
RacEth3	BLACK, NON-HISP	1	0	
	Other	0	1	
	WHITE, NON-HISP	0	0	
PARTNERED	MARRIED OR COUPLED	0	0	0
	OTHER OR UNKNOWN	1	0	0
	SEPARATED, DIVORCED, WIDOWED	0	1	0
	SINGLE	0	0	1

Summary of the Number of Event
and Censored Values

Total	Event	Censored	Percent Censored
3234	465	2769	85.62

Convergence Status

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

Time to Stroke**The PHREG Procedure***Model Fit Statistics*

<i>Criterion</i>	<i>Without Covariates</i>	<i>With Covariates</i>
-2 LOG L	7349.281	6842.359
AIC	7349.281	6880.359
SBC	7349.281	6959.058

Testing Global Null Hypothesis: BETA=0

<i>Test</i>	<i>Chi-Square</i>	<i>DF</i>	<i>Pr > ChiSq</i>
<i>Likelihood Ratio</i>	506.9223	19	<.0001
<i>Score</i>	447.3805	19	<.0001
<i>Wald</i>	377.2590	19	<.0001

Type 3 Tests

<i>Effect</i>	<i>DF</i>	<i>Wald Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	3	1.4893	0.6847
<i>Age_Max</i>	1	135.8543	<.0001
<i>GENDER</i>	1	1.0219	0.3121
<i>RacEth3</i>	2	5.5459	0.0625
<i>PARTNERED</i>	3	1.6175	0.6554
<i>BMI_Max</i>	1	1.5322	0.2158
<i>CurrSmoke_Max</i>	1	3.9836	0.0459
<i>FormSmoke_Max</i>	1	10.8020	0.0010
<i>HypLip_Max</i>	1	16.8601	<.0001
<i>T2D_Max</i>	1	4.7159	0.0299
<i>PriPulmHT_Max</i>	1	6.3989	0.0114
<i>HT_Max</i>	1	28.0549	<.0001
<i>DEPRIND_Max</i>	1	2.3906	0.1221
<i>YRinter_Max</i>	1	5.4989	0.0190

Time to Stroke**The PHREG Procedure***Analysis of Maximum Likelihood Estimates*

<i>Parameter</i>		<i>DF</i>	<i>Parameter Estimate</i>	<i>Standard Error</i>	<i>Chi-Square</i>	<i>Pr > ChiSq</i>
<i>DisGroup</i>	COMISA	1	0.38373	0.32875	1.3625	0.2431
<i>DisGroup</i>	Insomnia only	1	0.29284	0.38922	0.5661	0.4518
<i>DisGroup</i>	OSA only	1	0.33766	0.32739	1.0638	0.3024
<i>Age_Max</i>		1	0.05557	0.00477	135.8543	<.0001
<i>GENDER</i>	MALE	1	0.10252	0.10142	1.0219	0.3121
<i>RacEth3</i>	BLACK, NON-HISP	1	0.38116	0.16191	5.5421	0.0186
<i>RacEth3</i>	Other	1	0.06303	0.19817	0.1012	0.7504
<i>PARTNERED</i>	OTHER OR UNKNOWN	1	0.25767	0.50958	0.2557	0.6131
<i>PARTNERED</i>	SEPARATED, DIVORCED, WIDOWED	1	0.13891	0.12327	1.2700	0.2598
<i>PARTNERED</i>	SINGLE	1	-0.00979	0.13788	0.0050	0.9434
<i>BMI_Max</i>		1	-0.00905	0.00731	1.5322	0.2158
<i>CurrSmoke_Max</i>		1	0.24987	0.12519	3.9836	0.0459
<i>FormSmoke_Max</i>		1	0.32686	0.09945	10.8020	0.0010
<i>HypLip_Max</i>		1	0.66008	0.16076	16.8601	<.0001
<i>T2D_Max</i>		1	0.21639	0.09964	4.7159	0.0299
<i>PriPulmHT_Max</i>		1	0.45235	0.17882	6.3989	0.0114
<i>HT_Max</i>		1	0.91236	0.17225	28.0549	<.0001
<i>DEPRIND_Max</i>		1	0.16226	0.10494	2.3906	0.1221
<i>YRinter_Max</i>		1	-0.08793	0.03750	5.4989	0.0190

Time to Stroke

The PHREG Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Hazard Ratio	95% Hazard Ratio Profile Likelihood Confidence Limits		Label
DisGroup	COMISA	1.468	0.812	2.988	DisGroup COMISA
DisGroup	Insomnia only	1.340	0.639	2.996	DisGroup Insomnia only
DisGroup	OSA only	1.402	0.778	2.847	DisGroup OSA only
Age_Max		1.057	1.047	1.067	
GENDER	MALE	1.108	0.908	1.352	GENDER MALE
RacEth3	BLACK, NON-HISP	1.464	1.054	1.991	RacEth3 BLACK, NON-HISP
RacEth3	Other	1.065	0.706	1.541	RacEth3 Other
PARTNERED	OTHER OR UNKNOWN	1.294	0.396	3.082	PARTNERED OTHER OR UNKNOWN
PARTNERED	SEPARATED, DIVORCED, WIDOWED	1.149	0.899	1.458	PARTNERED SEPARATED, DIVORCED, WIDOWED
PARTNERED	SINGLE	0.990	0.751	1.291	PARTNERED SINGLE
BMI_Max		0.991	0.977	1.005	
CurrSmoke_Max		1.284	1.000	1.635	
FormSmoke_Max		1.387	1.141	1.685	
HypLip_Max		1.935	1.426	2.682	
T2D_Max		1.242	1.021	1.509	
PriPulmHT_Max		1.572	1.088	2.198	
HT_Max		2.490	1.798	3.538	
DEPRIND_Max		1.176	0.959	1.448	
YRinter_Max		0.916	0.853	0.988	