Data Set Name	WORK.IMPORT	Observations	1979
Member Type	DATA	Variables	24
Engine	V9	Indexes	0
Created	11/29/2019 00:51:52	Observation Length	192
Last Modified	11/29/2019 00:51:52	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

	Engine/Host Dependent Information					
Data Set Page Size	65536					
Number of Data Set Pages	6					
First Data Page	1					
Max Obs per Page	340					
Obs in First Data Page	315					
Number of Data Set Repairs	0					
Filename	/tmp/SAS_work8F3900000A78_localhost.localdomain/SAS_work5E7E00000A78_localhost.localdomain/import.sas7bdat					
Release Created	9.0401M6					
Host Created	Linux					
Inode Number	671623					
Access Permission	rw-rw-r					
Owner Name	sasdemo					
File Size	448KB					
File Size (bytes)	458752					

	Alphabetic List of Variables and Attributes								
#	Variable	Туре	Len	Format	Informat				
8	ВМІ	Num	8	BEST12.	BEST32.				
20	ID	Num	8	BEST12.	BEST32.				
24	OPTIMAL	Num	8	BEST12.	BEST32.				
6	age	Num	8	BEST12.	BEST32.				
3	death	Num	8	BEST12.	BEST32.				
14	event_season2	Num	8	BEST12.	BEST32.				
15	event_season3	Num	8	BEST12.	BEST32.				
16	event_season4	Num	8	BEST12.	BEST32.				
10	fev1fvcratio	Num	8	BEST12.	BEST32.				

	Alphabetic List of Variables and Attributes								
#	Variable Type Len		Len	Format	Informat				
9	fev1pp	Num	8	BEST12.	BEST32.				
1	gaptime	Num	8	BEST12.	BEST32.				
21	male	Num	8	BEST12.	BEST32.				
22	nowsmk	Num	8	BEST12.	BEST32.				
17	num_re1	Num	8	BEST12.	BEST32.				
18	num_re2	Num	8	BEST12.	BEST32.				
19	num_re3	Num	8	BEST12.	BEST32.				
23	oxygen	Num	8	BEST12.	BEST32.				
7	packyears	Num	8	BEST12.	BEST32.				
11	rand_season2	Num	8	BEST12.	BEST32.				
12	rand_season3	Num	8	BEST12.	BEST32.				
13	rand_season4	Num	8	BEST12.	BEST32.				
2	recurrent_event	Num	8	BEST12.	BEST32.				
4	trtSal	Num	8	BEST12.	BEST32.				
5	trtSal_Flu	Num	8	BEST12.	BEST32.				

Data Set Name	WORK.COPD	Observations	1979
Member Type	DATA	Variables	24
Engine	V9	Indexes	0
Created	11/29/2019 01:13:10	Observation Length	192
Last Modified	11/29/2019 01:13:10	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

	Engine/Host Dependent Information
Data Set Page Size	65536
Number of Data Set Pages	6
First Data Page	1
Max Obs per Page	340
Obs in First Data Page	315
Number of Data Set Repairs	0
Filename	/tmp/SAS_work8F3900000A78_localhost.localdomain/SAS_work5E7E00000A78_localhost.localdomain/copd.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	671653
Access Permission	rw-rw-r
Owner Name	sasdemo
File Size	448KB
File Size (bytes)	458752

	Alphabetic List of Variables and Attributes								
#	Variable	Туре	Len	Format	Informat				
8	ВМІ	Num	8	BEST12.	BEST32.				
20	ID	Num	8	BEST12.	BEST32.				
24	OPTIMAL	Num	8	BEST12.	BEST32.				
6	age	Num	8	BEST12.	BEST32.				
3	death	Num	8	BEST12.	BEST32.				
14	event_season2	Num	8	BEST12.	BEST32.				
15	event_season3	Num	8	BEST12.	BEST32.				
16	event_season4	Num	8	BEST12.	BEST32.				
10	fev1fvcratio	Num	8	BEST12.	BEST32.				

	Alphabetic List of Variables and Attributes								
#	Variable	Туре	Len	Format	Informat				
9	fev1pp	Num	8	BEST12.	BEST32.				
1	gaptime	Num	8	BEST12.	BEST32.				
21	male	Num	8	BEST12.	BEST32.				
22	nowsmk	Num	8	BEST12.	BEST32.				
17	num_re1	Num	8	BEST12.	BEST32.				
18	num_re2	Num	8	BEST12.	BEST32.				
19	num_re3	Num	8	BEST12.	BEST32.				
23	oxygen	Num	8	BEST12.	BEST32.				
7	packyears	Num	8	BEST12.	BEST32.				
11	rand_season2	Num	8	BEST12.	BEST32.				
12	rand_season3	Num	8	BEST12.	BEST32.				
13	rand_season4	Num	8	BEST12.	BEST32.				
2	recurrent_event	Num	8	BEST12.	BEST32.				
4	trtSal	Num	8	BEST12.	BEST32.				
5	trtSal_Flu	Num	8	BEST12.	BEST32.				

Specificati	ons
Data Set	WORK.COPD
Dependent Variable	gaptime
Distribution for Dependent Variable	General
Random Effects	z
Distribution for Random Effects	Normal
Subject Variable	ID
Optimization Technique	Dual Quasi-Newton
Integration Method	Adaptive Gaussian Quadrature

Dimensions					
Observations Used	1979				
Observations Not Used	0				
Total Observations	1979				
Subjects	1521				
Max Obs per Subject	9				
Parameters	16				
Quadrature Points	5				

Initial Parameters									
In_gamma_d	In_gamma_d b_d_0 b_d_trtSal b_d_trtSal_Flu b_d_age b_d_packyears b_d_BMI b_d_fev1pp b_d_fev1fvcratio b_d_num_re1								
0.2295	-8	-0.15	-0.5	0.08	0.66	-2.7	-3.3	0.61	0.55

Initial Parameters							
b_d_num_re2	b_d_num_re3	b_d_male	b_d_nowsmk	b_d_oxygen	ln_v	Negative Log Likelihood	
1.179	1.413	0.49	0.61	0.47	0	668.550982	

Iteration History										
Iteration	Calls	Negative Log Likelihood	Difference	Maximum Gradient	Slope					
1	6	301.9577	366.5933	137.865	-4306.94					
2	8	289.6996	12.25815	25.8922	-31.4948					
3	10	288.6757	1.023824	7.97698	-1.53516					
4	14	287.0662	1.609533	48.7265	-0.91468					
5	21	265.1562	21.91001	88.9837	-2.36794					
6	26	263.4029	1.753341	92.7073	-20.1524					
7	30	252.6246	10.77822	7.68909	-36.5181					

Iteration History									
Iteration	Calls	Negative Log Likelihood	Difference	Maximum Gradient	Slope				
8	33	252.3479	0.27672	9.09186	-0.31618				
9	37	249.8126	2.535272	37.5945	-0.26490				
10	41	243.4434	6.369287	20.8530	-3.57376				
11	44	242.1126	1.33076	7.91103	-4.59088				
12	47	241.7176	0.395038	5.78288	-0.49958				
13	51	240.8532	0.864385	19.2987	-0.26851				
14	55	234.8626	5.990529	5.73685	-1.79310				
15	58	233.7812	1.081484	5.84456	-3.50886				
16	61	233.4606	0.320559	5.91264	-0.77219				
17	64	233.2856	0.174951	2.37282	-0.20166				
18	67	233.2355	0.050118	2.02383	-0.08024				
19	69	233.2150	0.020554	1.76553	-0.03615				
20	73	233.0469	0.168091	2.10479	-0.11431				
21	77	231.9952	1.051656	2.15513	-0.20498				
22	80	231.9406	0.054654	1.52845	-0.08925				
23	84	231.7895	0.151106	2.01711	-0.03744				
24	88	231.1291	0.660382	1.56848	-0.22042				
25	91	231.1079	0.021165	1.70762	-0.02416				
26	95	230.7625	0.34541	1.19350	-0.01962				
27	98	230.6070	0.155501	0.80375	-0.26207				
28	101	230.6001	0.006944	0.58224	-0.00904				
29	105	230.5258	0.074299	1.56861	-0.00465				
30	107	230.5046	0.021204	1.68940	-0.06008				
31	109	230.4718	0.03279	0.98162	-0.06255				
32	112	230.4645	0.007273	0.71111	-0.00756				
33	118	230.3195	0.144993	3.44348	-0.00738				
34	121	230.2603	0.059168	0.39875	-0.09662				
35	124	230.2503	0.010064	0.54874	-0.01498				
36	126	230.2469	0.0034	0.56241	-0.00960				
37	128	230.2413	0.005583	0.48284	-0.01026				
38	130	230.2366	0.004731	0.37562	-0.00418				
39	134	230.2194	0.017199	1.24011	-0.00798				
40	138	230.1565	0.062822	0.55599	-0.02276				
41	141	230.1495	0.007038	0.55967	-0.01309				

Iteration History										
Iteration	Calls	Negative Log Likelihood	Difference	Maximum Gradient	Slope					
42	144	230.1444	0.005063	0.70548	-0.00350					
43	148	230.0833	0.061096	3.71205	-0.00681					
44	150	230.0510	0.032313	1.60492	-0.05839					
45	153	230.0356	0.015381	0.51199	-0.02511					
46	156	230.0340	0.00165	0.53517	-0.00165					
47	160	230.0209	0.013095	0.59618	-0.00213					
48	164	229.9738	0.047139	2.32551	-0.02009					
49	167	229.9625	0.011306	0.25140	-0.01880					
50	170	229.9616	0.000822	0.19207	-0.00114					
51	172	229.9607	0.000977	0.23842	-0.00036					
52	178	229.9249	0.035785	1.25243	-0.00180					
53	183	229.9100	0.014858	0.49179	-0.03284					
54	186	229.9075	0.002551	0.20406	-0.00803					
55	189	229.9072	0.000228	0.13428	-0.00032					
56	193	229.9064	0.000845	0.55682	-0.00012					
57	197	229.9007	0.005698	0.87405	-0.00143					
58	199	229.8933	0.007353	0.10776	-0.00486					
59	202	229.8928	0.000591	0.026816	-0.00118					
60	205	229.8927	4.177E-6	0.028595	-5.86E-6					

NOTE: GCONV convergence criterion satisfied.

Fit Statistics					
-2 Log Likelihood	459.8				
AIC (smaller is better)	491.8				
AICC (smaller is better)	492.1				
BIC (smaller is better)	577.0				

Parameter Estimates									
Parameter	Parameter Estimate Standard DF t Value Pr > t Confidence Limits					Gradient			
In_gamma_d	0.4244	0.1900	1520	2.23	0.0256	0.05177	0.7970	0.000704	
b_d_0	-2.8631	1.1389	1520	-2.51	0.0120	-5.0970	-0.6292	-0.00612	
b_d_trtSal	-0.1936	0.2083	1520	-0.93	0.3530	-0.6022	0.2151	0.000963	
b_d_trtSal_Flu	-0.5261	0.4986	1520	-1.06	0.2916	-1.5042	0.4520	0.001097	

Parameter Estimates										
Parameter	Estimate	Standard Error	DF	t Value	Pr > t	95% Confidence Limits		Gradient		
b_d_age	0.6857	1.3275	1520	0.52	0.6056	-1.9183	3.2897	-0.00288		
b_d_packyears	0.6217	0.6666	1520	0.93	0.3512	-0.6859	1.9294	0.009424		
b_d_BMI	-1.3761	1.8290	1520	-0.75	0.4519	-4.9636	2.2115	0.028595		
b_d_fev1pp	-3.3872	1.1913	1520	-2.84	0.0045	-5.7239	-1.0505	-0.01028		
b_d_fev1fvcratio	0.3278	1.1348	1520	0.29	0.7727	-1.8982	2.5538	-0.00183		
b_d_num_re1	1.4011	0.2556	1520	5.48	<.0001	0.8997	1.9024	0.001070		
b_d_num_re2	1.9034	0.4400	1520	4.33	<.0001	1.0403	2.7665	0.002792		
b_d_num_re3	2.7130	0.5903	1520	4.60	<.0001	1.5551	3.8709	0.006773		
b_d_male	0.4670	0.2318	1520	2.01	0.0441	0.01230	0.9218	0.004599		
b_d_nowsmk	0.5941	0.2636	1520	2.25	0.0244	0.07703	1.1112	0.002529		
b_d_oxygen	0.3953	0.2350	1520	1.68	0.0927	-0.06556	0.8562	0.002098		
ln_v	0.3058	0.8321	1520	0.37	0.7133	-1.3265	1.9381	0.011835		

Additional Estimates										
Label	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper		
v_d	1.3577	1.1298	1520	1.20	0.2297	0.05	-0.8584	3.5738		
gamma_d	1.5286	0.2904	1520	5.26	<.0001	0.05	0.9591	2.0982		
d_trtSal	-0.2959	0.3226	1520	-0.92	0.3592	0.05	-0.9288	0.3370		
d_trtSal_Flu	-0.8042	0.7876	1520	-1.02	0.3074	0.05	-2.3491	0.7407		
d_age	1.0482	2.0159	1520	0.52	0.6032	0.05	-2.9060	5.0024		
d_packyears	0.9504	1.0492	1520	0.91	0.3652	0.05	-1.1076	3.0083		
d_BMI	-2.1035	2.7579	1520	-0.76	0.4458	0.05	-7.5132	3.3063		
d_fev1pp	-5.1778	2.1133	1520	-2.45	0.0144	0.05	-9.3231	-1.0325		
d_fev1fvcratio	0.5011	1.7384	1520	0.29	0.7732	0.05	-2.9089	3.9110		
d_num_re1	2.1417	0.6004	1520	3.57	0.0004	0.05	0.9640	3.3194		
d_num_re2	2.9096	0.9695	1520	3.00	0.0027	0.05	1.0078	4.8113		
d_num_re3	4.1471	1.4180	1520	2.92	0.0035	0.05	1.3657	6.9285		
d_male	0.7139	0.3811	1520	1.87	0.0612	0.05	-0.03368	1.4615		
d_nowsmk	0.9082	0.4562	1520	1.99	0.0467	0.05	0.01328	1.8030		
d_oxygen	0.6043	0.3763	1520	1.61	0.1084	0.05	-0.1337	1.3424		