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	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.				

Data Set Name	WORK.COPD	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/copd.sas7bdat					
Release Created	9.0401M6					
Host Created	Linux					
Inode Number	671624					
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.					

Specifications						
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	22				
Quadrature Points	5				

Initial Parameters										
In_gamma	b_0	b_trtSal	b_trtSal_Flu	b_age	b_BMI	b_fev1pp	b_fev1fvcratio	b_rand_season2	b_rand_season3	b_rand_season4
0.118	-0.8	0.3127	0.2507	-0.5213	-1.0989	-1.4856	0.2384	-0.4905	-0.2933	-0.1329

	Initial Parameters										
b_num_re1 b_num_re2 b_num_re3 b_event_season2 b_event_season3 b_event_season4 b_male b_nowsmk b_oxygen b_0								b_OPTIMAL			
-0.4762	-0.3804	-0.9259	-0.1268	-0.3455	-0.3801	0.0057	0.0614	0.4871	0.1067		

Initial Parameters					
ln_v	Negative Log Likelihood				
0.7565	844.442835				

Iteration History											
Iteration	Calls	Negative Log Likelihood	Difference	Maximum Gradient	Slope						
1	5	844.0442	0.398667	9.61732	-60.9168						
2	7	843.5714	0.47276	6.59586	-3.33639						
3	9	843.4883	0.083108	9.75142	-0.53220						
4	13	843.2416	0.246701	0.78453	-0.45522						

Iteration History									
		Negative Log		Maximum					
Iteration	Calls	Likelihood	Difference	Gradient	Slope				
5	17	843.2262	0.015388	0.46276	-0.01301				
6	20	843.2161	0.010139	0.65187	-0.00646				
7	22	843.2081	0.007938	1.02433	-0.00536				
8	25	843.2029	0.005222	0.22167	-0.00660				
9	27	843.2002	0.00271	0.24287	-0.00227				
10	29	843.1979	0.002298	0.13089	-0.00415				
11	32	843.1969	0.000968	0.10022	-0.00115				
12	34	843.1957	0.0012	0.091893	-0.00054				
13	36	843.1945	0.001271	0.11930	-0.00048				
14	38	843.1940	0.000482	0.18051	-0.00063				
15	40	843.1932	0.000819	0.095726	-0.00142				
16	43	843.1926	0.000567	0.074301	-0.00059				
17	45	843.1919	0.000711 0.063647		-0.00038				
18	47	843.1913	0.000625 0.089918		-0.00016				
19	50	843.1908	0.00041	0.00041 0.058624					
20	52	843.1903	0.000567 0.046701		-0.00030				
21	55	843.1901	0.000184 0.036557		-0.00019				
22	58	843.1900	0.000072 0.028051		-0.00005				
23	60	843.1900	0.000062 0.035694		-0.00004				
24	62	843.1899	0.00005	0.024574	-0.00005				
25	64	843.1898	0.000071	0.021391	-0.00006				
26	66	843.1898	0.000049	0.029523	-0.00005				
27	68	843.1897	0.000048	0.020544	-0.00006				
28	70	843.1897	0.000074	0.026498	-0.00004				
29	72	843.1896	0.000091	0.045180	-0.00007				
30	74	843.1895	0.000126	0.018552	-0.00006				
31	77	843.1894	0.00003	0.008120	-0.00004				
32	80	843.1894	2.055E-6	0.002196	-2.14E-6				
33	83	843.1894	3.489E-7	0.000394	-4.92E-7				
34	86	843.1894	7.97E-9	0.000174	-3.09E-9				
35	89	843.1894	1.356E-9	0.000141	-1.36E-9				
36	91	843.1894	2.127E-9	0.000058	-689E-12				
37	94	843.1894	1.97E-10	0.000026	-376E-12				
38	98	843.1894	7.33E-10	0.000056	-214E-13				

Iteration History										
Iteration	Calls	Negative Log Likelihood	Difference	Maximum Gradient	Slope					
39	101	843.1894	5.01E-10	0.000018	-688E-12					
40	104	843.1894	2.32E-11	1.16E-7	-376E-13					

NOTE: FCONV convergence criterion satisfied.

Fit Statistics					
-2 Log Likelihood	1686.4				
AIC (smaller is better)	1730.4				
AICC (smaller is better)	1730.9				
BIC (smaller is better)	1847.6				

Parameter Estimates									
Parameter	Estimate	Standard Error	DF	t Value	Pr > t		95% Confidence Limits		
ln_gamma	0.1191	0.04734	1520	2.52	0.0120	0.02623	0.2119	-1.1E-7	
b_0	-0.9514	0.6799	1520	-1.40	0.1619	-2.2851	0.3823	-1.16E-7	
b_trtSal	0.3078	0.1382	1520	2.23	0.0261	0.03669	0.5789	-6.15E-8	
b_trtSal_Flu	0.2332	0.2879	1520	0.81	0.4180	-0.3315	0.7980	-1.07E-8	
b_age	-0.4685	0.8389	1520	-0.56	0.5766	-2.1141	1.1771	-7.43E-8	
b_BMI	-1.0401	1.1400	1520	-0.91	0.3617	-3.2763	1.1961	-3.21E-8	
b_fev1pp	-1.4066	0.6652	1520	-2.11	0.0346	-2.7115	-0.1018	-4.19E-8	
b_fev1fvcratio	0.1943	0.7609	1520	0.26	0.7985	-1.2982	1.6868	-4.25E-8	
b_rand_season2	-0.5673	0.2140	1520	-2.65	0.0081	-0.9872	-0.1475	-3.78E-8	
b_rand_season3	-0.1935	0.2243	1520	-0.86	0.3884	-0.6334	0.2464	-3.92E-8	
b_rand_season4	-0.01160	0.2072	1520	-0.06	0.9553	-0.4180	0.3948	-1.82E-8	
b_num_re1	-0.4388	0.1712	1520	-2.56	0.0105	-0.7747	-0.1029	-3.28E-8	
b_num_re2	-0.2980	0.2331	1520	-1.28	0.2013	-0.7553	0.1592	-1.33E-8	
b_num_re3	-0.9089	0.2730	1520	-3.33	0.0009	-1.4445	-0.3734	7.24E-10	
b_event_season2	0.05244	0.1593	1520	0.33	0.7420	-0.2600	0.3648	-6.91E-8	
b_event_season3	-0.3586	0.1754	1520	-2.04	0.0411	-0.7028	-0.01450	-1.73E-8	
b_event_season4	-0.4110	0.1635	1520	-2.51	0.0121	-0.7318	-0.09018	-979E-12	
b_male	0.06546	0.1355	1520	0.48	0.6290	-0.2003	0.3312	-8.61E-8	
b_nowsmk	0.07281	0.1699	1520	0.43	0.6683	-0.2605	0.4061	-2.44E-8	
b_oxygen	0.4852	0.1584	1520	3.06	0.0022	0.1746	0.7958	-7.73E-8	

Parameter Estimates									
Parameter Estimate Error DF t Value Pr > t Confidence Limits							Gradient		
b_OPTIMAL	0.1116	0.1964	1520	0.57	0.5700	-0.2736	0.4968	-1.79E-8	
ln_v	0.7277	0.1554	1520	4.68	<.0001	0.4228	1.0326	-1.1E-7	

Additional Estimates									
Label	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper	
v	2.0703	0.3218	1520	6.43	<.0001	0.05	1.4390	2.7015	
gamma	1.1265	0.05332	1520	21.12	<.0001	0.05	1.0219	1.2311	
re_trtSal	0.3467	0.1558	1520	2.22	0.0262	0.05	0.04102	0.6524	
re_trtSal_Flu	0.2627	0.3245	1520	0.81	0.4183	0.05	-0.3738	0.8993	
re_age	-0.5277	0.9447	1520	-0.56	0.5765	0.05	-2.3807	1.3252	
re_BMI	-1.1717	1.2841	1520	-0.91	0.3617	0.05	-3.6904	1.3471	
re_fev1pp	-1.5845	0.7518	1520	-2.11	0.0352	0.05	-3.0592	-0.1098	
re_fev1fvcratio	0.2189	0.8572	1520	0.26	0.7985	0.05	-1.4626	1.9003	
re_rand_season2	-0.6391	0.2423	1520	-2.64	0.0084	0.05	-1.1143	-0.1638	
re_rand_season3	-0.2179	0.2532	1520	-0.86	0.3895	0.05	-0.7146	0.2787	
re_rand_season4	-0.01307	0.2334	1520	-0.06	0.9553	0.05	-0.4708	0.4447	
re_num_re1	-0.4943	0.1985	1520	-2.49	0.0129	0.05	-0.8836	-0.1050	
re_num_re2	-0.3357	0.2661	1520	-1.26	0.2073	0.05	-0.8578	0.1863	
re_num_re3	-1.0239	0.3178	1520	-3.22	0.0013	0.05	-1.6473	-0.4005	
re_event_season2	0.05907	0.1795	1520	0.33	0.7421	0.05	-0.2930	0.4112	
re_event_season3	-0.4040	0.1966	1520	-2.05	0.0401	0.05	-0.7897	-0.01834	
re_event_season4	-0.4630	0.1843	1520	-2.51	0.0121	0.05	-0.8245	-0.1014	
re_male	0.07374	0.1526	1520	0.48	0.6289	0.05	-0.2255	0.3730	
re_nowsmk	0.08202	0.1915	1520	0.43	0.6684	0.05	-0.2935	0.4576	
re_oxygen	0.5466	0.1788	1520	3.06	0.0023	0.05	0.1958	0.8974	
re_OPTIMAL	0.1257	0.2212	1520	0.57	0.5700	0.05	-0.3083	0.5596	