Number of Observations Read	415
Number of Observations Used	415

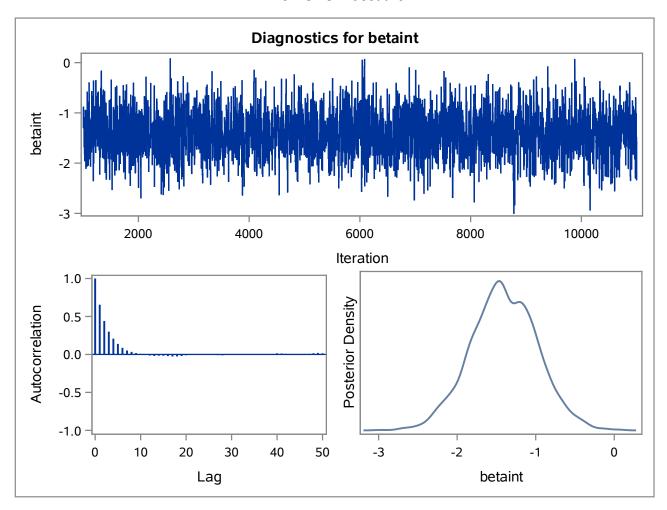
Parameters						
Block Parameter Sampling Initial Value Prior Distribution						
1	betaint	N-Metropolis	0	normal(mean = 0, var = 1000)		
2	betaharddrug	N-Metropolis	0	normal(mean = 0, var = 1000)		
3	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)		

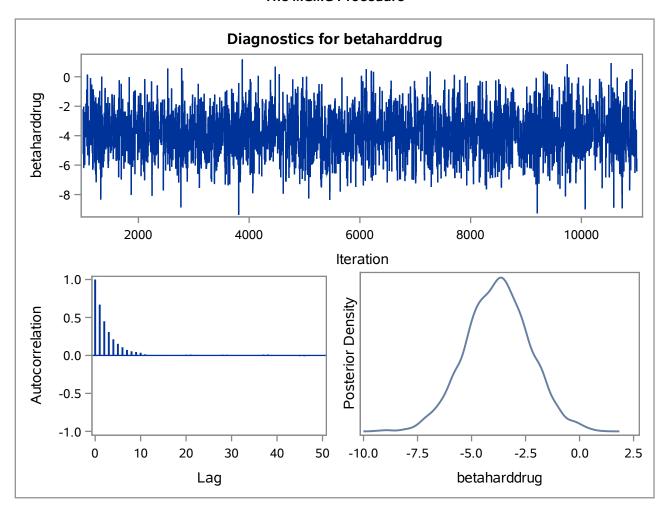
Posterior Summaries and Intervals							
Parameter N Mean Standard Deviation 95% HPD Inte) Interval		
betaint	10000	-1.4052	0.4221	-2.2693	-0.6192		
betaharddrug	10000	-3.7912	1.4762	-6.7189	-0.9551		
sigma2	10000	66.1174	4.5846	57.4185	75.2276		

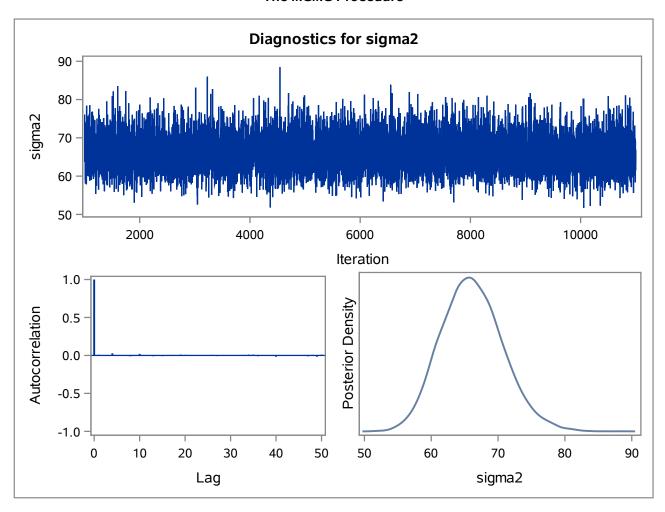
AGGPHYSdiff crude model

Effective Sample Sizes						
Parameter ESS Autocorrelation Time Efficience						
betaint	2055.1	4.8659	0.2055			
betaharddrug	1905.8	5.2470	0.1906			
sigma2	10000.0	1.0000	1.0000			

Deviance Information Criterion					
Dbar (posterior mean of deviance)	2920.305				
Dmean (deviance evaluated at posterior mean)	2917.301				
pD (effective number of parameters)	3.003				
DIC (smaller is better)	2923.308				







Number of Observations Read 415 Number of Observations Used 415

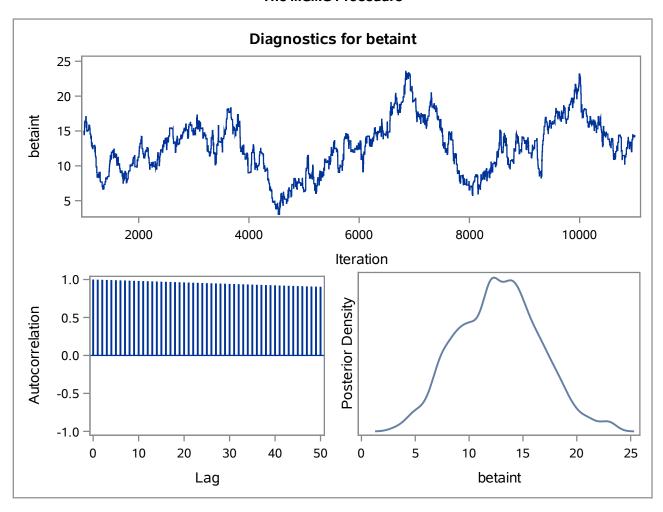
	Parameters					
Block	Parameter	Sampling Method	Initial Value	Prior Distribution		
1	betaint	N-Metropolis	0	normal(mean = 0, var = 1000)		
2	betaharddrug	N-Metropolis	0	normal(mean = 0, var = 1000)		
3	betabase	N-Metropolis	0	normal(mean = 0, var = 1000)		
4	betahash	N-Metropolis	0	normal(mean = 0, var = 1000)		
5	betabmi	N-Metropolis	0	normal(mean = 0, var = 1000)		
6	betasmoke	N-Metropolis	0	normal(mean = 0, var = 1000)		
7	betadrink	N-Metropolis	0	normal(mean = 0, var = 1000)		
8	betarace	N-Metropolis	0	normal(mean = 0, var = 1000)		
9	betaeduc	N-Metropolis	0	normal(mean = 0, var = 1000)		
10	betaage	N-Metropolis	0	normal(mean = 0, var = 1000)		
11	betaadh	N-Metropolis	0	normal(mean = 0, var = 1000)		
12	betaincomemid	N-Metropolis	0	normal(mean = 0, var = 1000)		
	betaincomehigh		0	normal(mean = 0, var = 1000)		
13	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)		

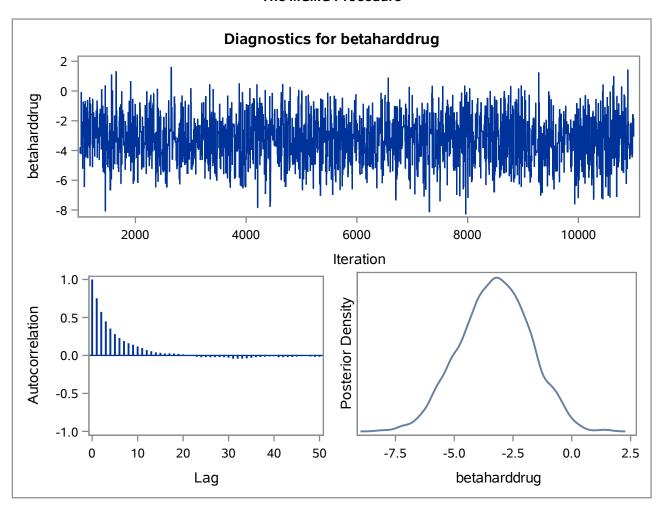
Posterior Summaries and Intervals						
Parameter	N	Mean	Standard Deviation	95% HPD Interval		
betaint	10000	12.7466	3.8129	5.1666	19.7036	
betaharddrug	10000	-3.2654	1.4783	-5.9271	-0.2838	
betabase	10000	-0.3308	0.0456	-0.4235	-0.2454	
betahash	10000	0.7222	0.7816	-0.8248	2.1917	
betabmi	10000	0.1685	0.0813	0.0242	0.3198	
betasmoke	10000	-0.7219	0.8508	-2.4839	0.8504	
betadrink	10000	-1.0684	1.3939	-4.1760	1.4314	
betarace	10000	1.3847	0.9099	-0.3652	3.2146	
betaeduc	10000	0.8624	1.1143	-1.3334	2.9374	
betaage	10000	-0.1117	0.0498	-0.2150	-0.0206	
betaadh	10000	-1.2879	1.2823	-3.8376	1.1714	
betaincomemid	10000	2.4737	1.1373	0.1315	4.5874	
betaincomehigh	10000	3.5292	1.3091	0.9772	6.0480	
sigma2	10000	59.0554	4.1843	51.5165	67.6600	

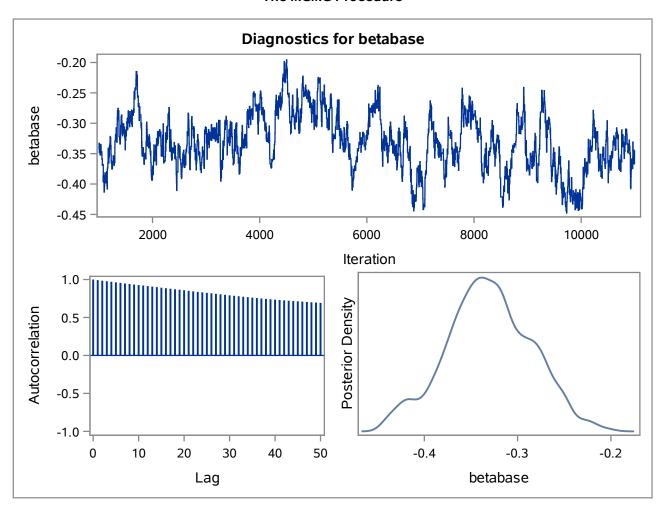
AGGPHYSdiff full model

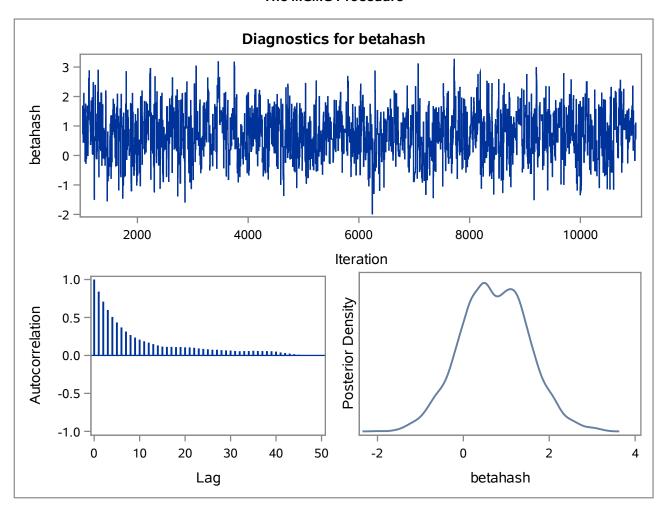
Effective Sample Sizes						
Parameter	ESS	Autocorrelation Time	Efficiency			
betaint	14.8	675.8	0.0015			
betaharddrug	1203.4	8.3100	0.1203			
betabase	28.2	354.2	0.0028			
betahash	641.3	15.5939	0.0641			
betabmi	43.7	229.0	0.0044			
betasmoke	174.4	57.3385	0.0174			
betadrink	1324.6	7.5493	0.1325			
betarace	118.5	84.3752	0.0119			
betaeduc	92.3	108.3	0.0092			
betaage	25.4	394.3	0.0025			
betaadh	1234.2	8.1025	0.1234			
betaincomemid	134.6	74.3028	0.0135			
betaincomehigh	98.1	101.9	0.0098			
sigma2	7989.2	1.2517	0.7989			

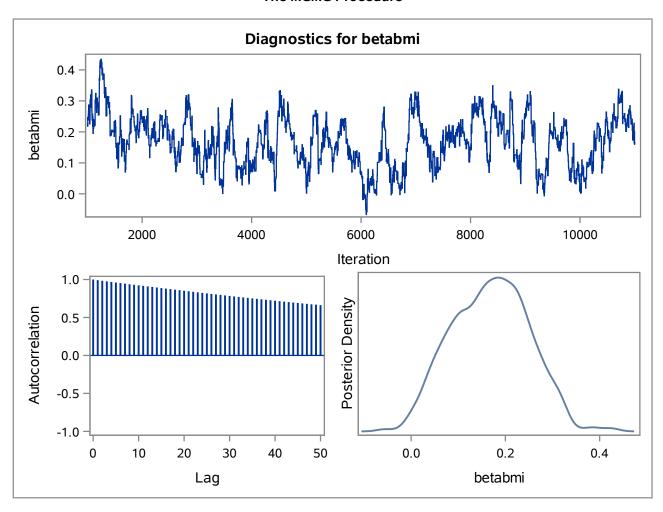
Deviance Information Criterion					
Dbar (posterior mean of deviance)	2873.676				
Dmean (deviance evaluated at posterior mean)	2859.976				
pD (effective number of parameters)	13.700				
DIC (smaller is better)	2887.376				

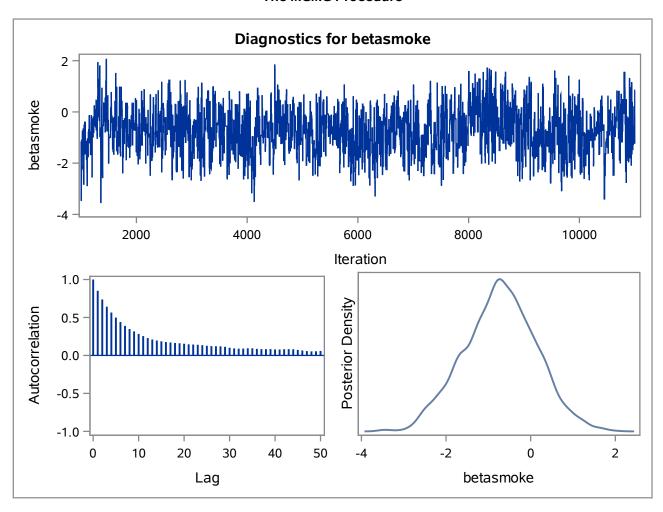


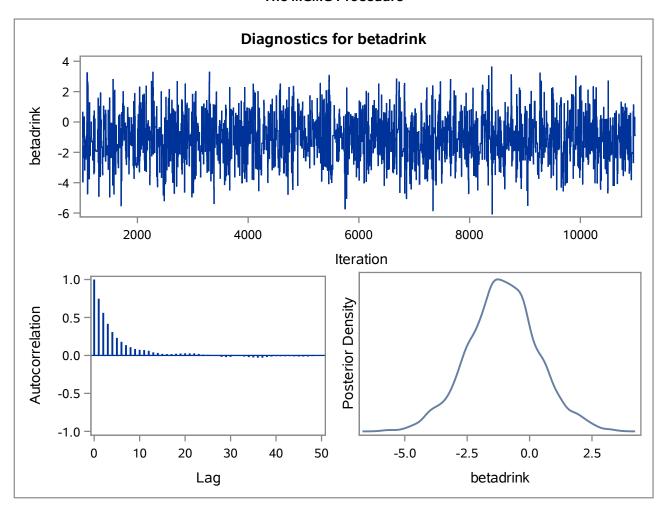


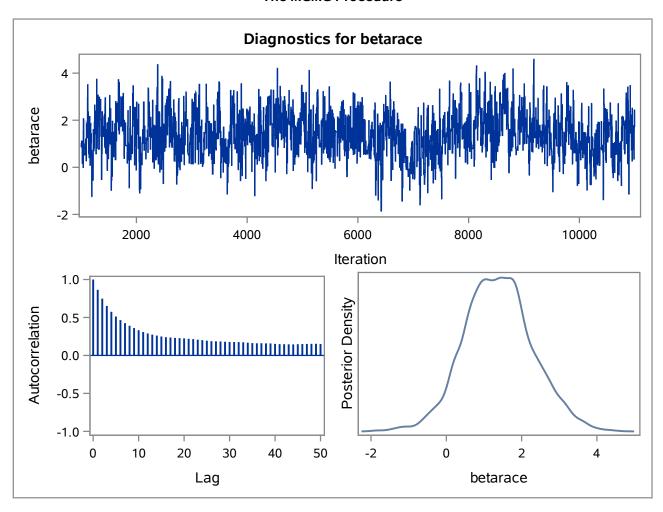


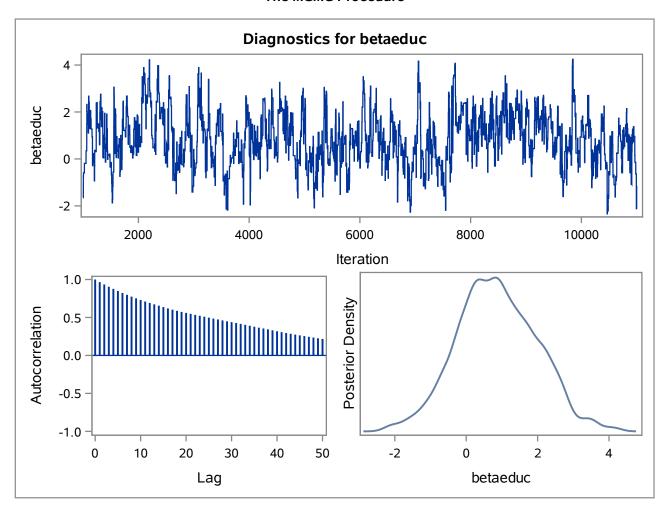


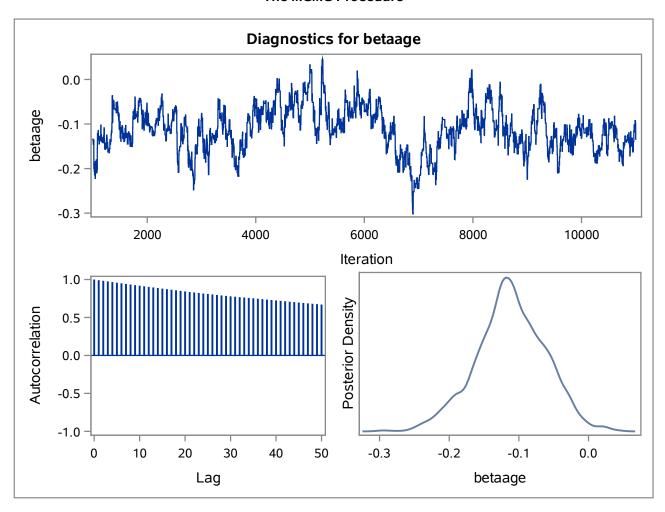


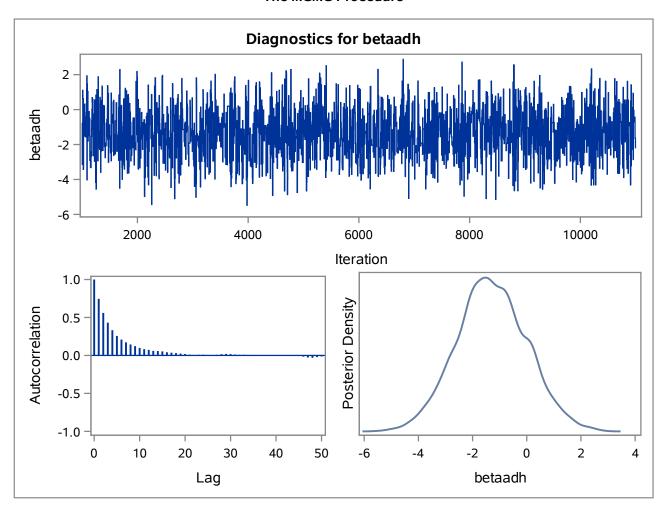


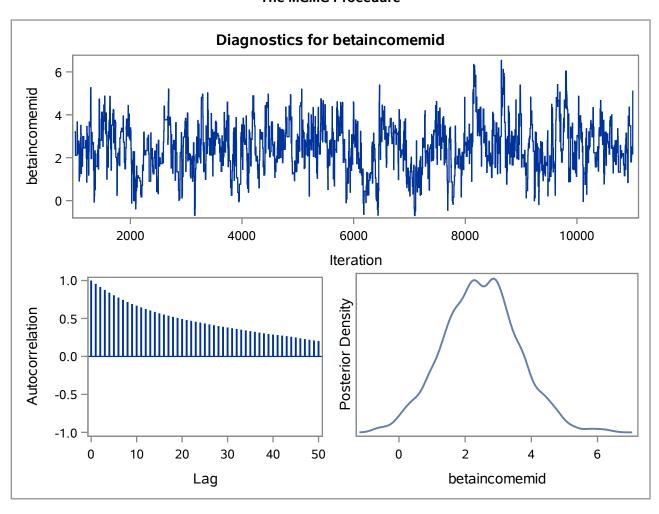


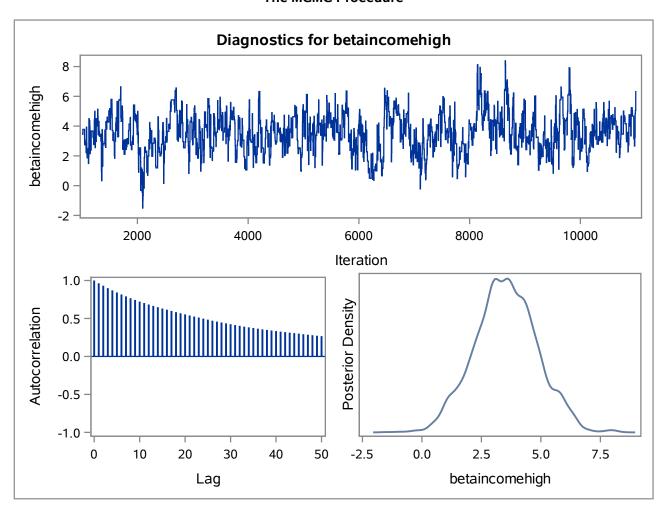


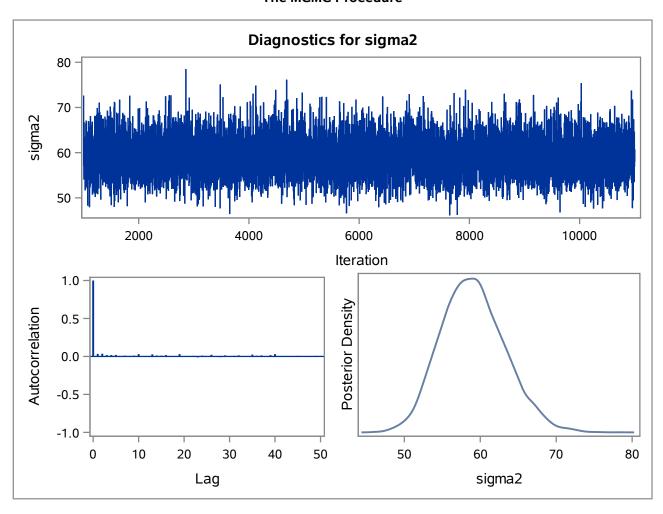












Number of Observations Read 415 Number of Observations Used

Parameters						
Block Parameter Sampling Initial Value Prior Distribution						
1	betaint	N-Metropolis	0	normal(mean = 0, var = 1000)		
2	betaharddrug	N-Metropolis	0	normal(mean = 0, var = 1000)		
3	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)		

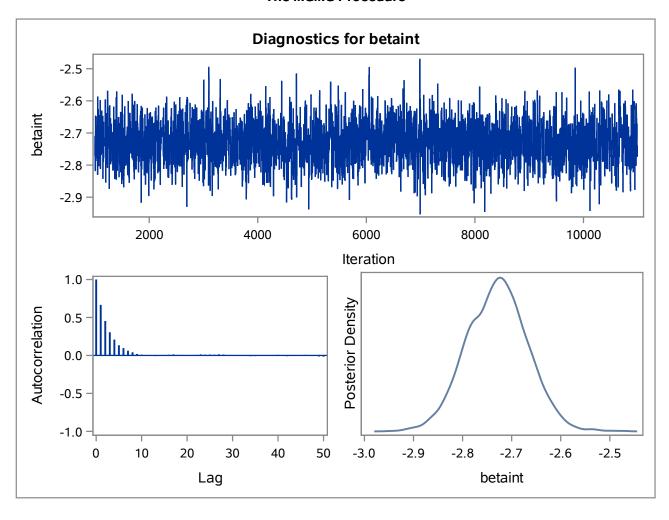
log10vloaddiff crude model

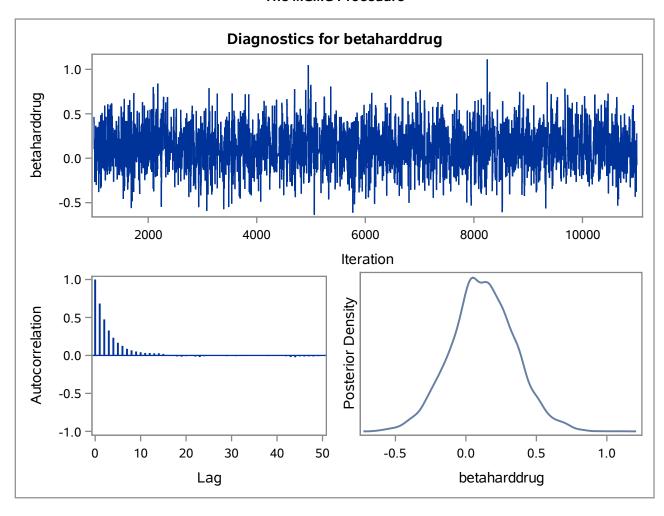
Posterior Summaries and Intervals						
Parameter N Mean Standard 95% Deviation HPD Interval						
betaint	10000	-2.7296	0.0617	-2.8461	-2.6079	
betaharddrug	10000	0.1208	0.2261	-0.3290	0.5610	
sigma2	10000	1.4809	0.1027	1.2813	1.6793	

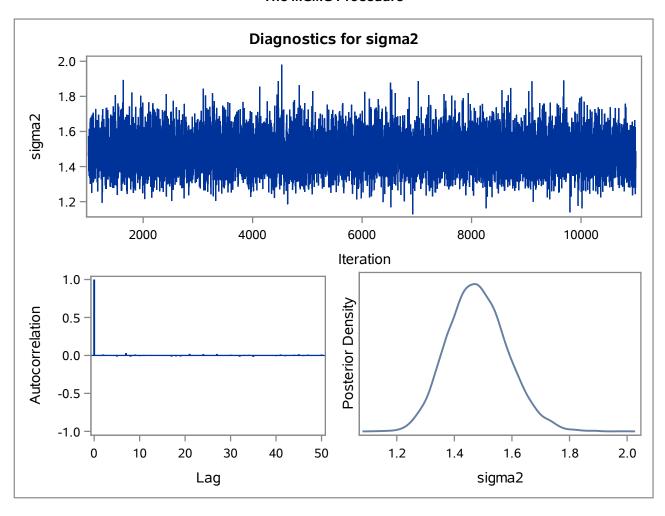
log10vloaddiff crude model

Effective Sample Sizes						
Parameter ESS Autocorrelation Time Efficience						
betaint	2009.3	4.9768	0.2009			
betaharddrug	1722.2	5.8065	0.1722			
sigma2	10000.0	1.0000	1.0000			

Deviance Information Criterion				
Dbar (posterior mean of deviance)	1342.527			
Dmean (deviance evaluated at posterior mean)	1339.534			
pD (effective number of parameters)	2.993			
DIC (smaller is better)	1345.520			







Number of Observations Read 415 Number of Observations Used

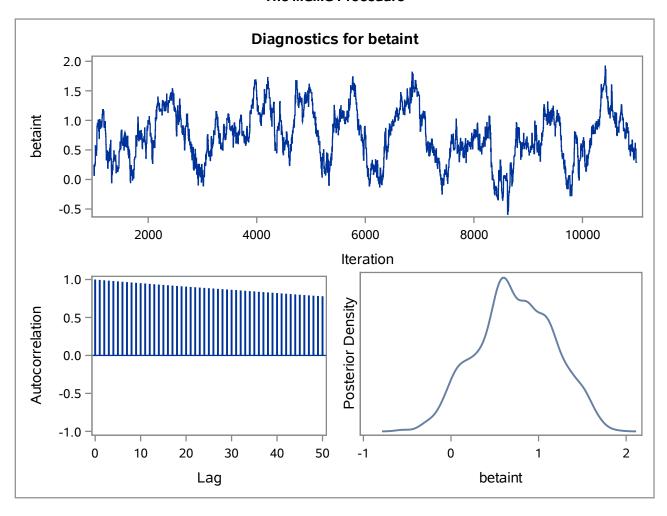
Parameters				
Block	Parameter	Sampling Method	Initial Value	Prior Distribution
1	betaint	N-Metropolis	0	normal(mean = 0, var = 1000)
2	betaharddrug	N-Metropolis	0	normal(mean = 0, var = 1000)
3	betabase	N-Metropolis	0	normal(mean = 0, var = 1000)
4	betahash	N-Metropolis	0	normal(mean = 0, var = 1000)
5	betabmi	N-Metropolis	0	normal(mean = 0, var = 1000)
6	betasmoke	N-Metropolis	0	normal(mean = 0, var = 1000)
7	betadrink	N-Metropolis	0	normal(mean = 0, var = 1000)
8	betarace	N-Metropolis	0	normal(mean = 0, var = 1000)
9	betaeduc	N-Metropolis	0	normal(mean = 0, var = 1000)
10	betaage	N-Metropolis	0	normal(mean = 0, var = 1000)
11	betaadh	N-Metropolis	0	normal(mean = 0, var = 1000)
12	betaincomemid	N-Metropolis	0	normal(mean = 0, var = 1000)
	betaincomehigh		0	normal(mean = 0, var = 1000)
13	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)

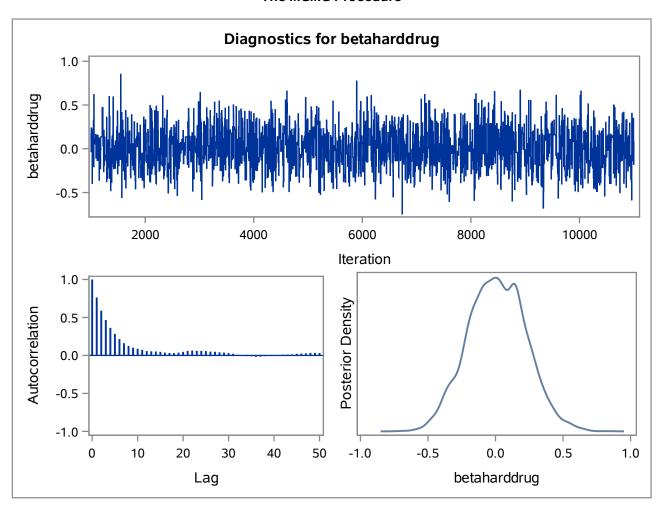
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	10000	0.7354	0.4392	-0.0876	1.5472
betaharddrug	10000	0.0111	0.2129	-0.3972	0.4213
betabase	10000	-0.5359	0.0535	-0.6326	-0.4208
betahash	10000	-0.2146	0.1172	-0.4598	0.00145
betabmi	10000	-0.0219	0.0123	-0.0469	0.00201
betasmoke	10000	-0.1389	0.1264	-0.3787	0.1187
betadrink	10000	0.0880	0.2136	-0.3222	0.5025
betarace	10000	0.0715	0.1292	-0.1820	0.3095
betaeduc	10000	-0.0157	0.1670	-0.3398	0.3088
betaage	10000	-0.00274	0.00612	-0.0156	0.00841
betaadh	10000	0.3320	0.1831	-0.0349	0.6951
betaincomemid	10000	-0.1790	0.1665	-0.4980	0.1531
betaincomehigh	10000	-0.4890	0.1928	-0.8774	-0.1323
sigma2	10000	1.2533	0.0882	1.0844	1.4296

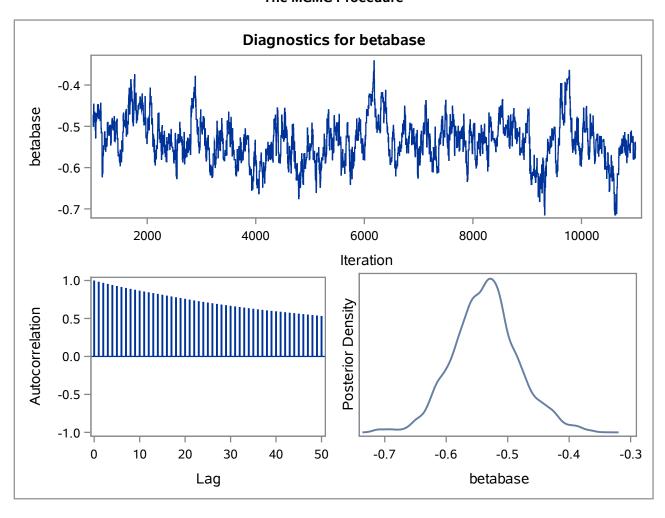
log10vloaddiff full model

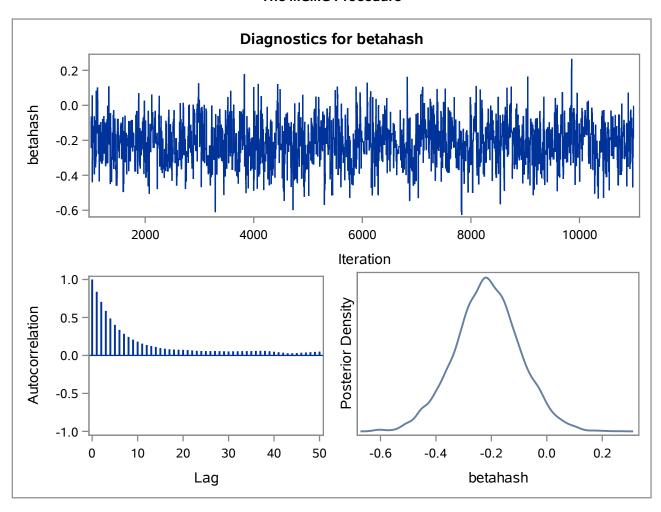
Effective Sample Sizes				
Parameter	ESS	Autocorrelation Time	Efficiency	
betaint	33.6	297.7	0.0034	
betaharddrug	1072.5	9.3244	0.1072	
betabase	49.6	201.8	0.0050	
betahash	645.1	15.5018	0.0645	
betabmi	53.3	187.7	0.0053	
betasmoke	475.8	21.0165	0.0476	
betadrink	1681.3	5.9476	0.1681	
betarace	327.1	30.5691	0.0327	
betaeduc	241.1	41.4700	0.0241	
betaage	52.3	191.1	0.0052	
betaadh	1184.0	8.4458	0.1184	
betaincomemid	161.3	61.9922	0.0161	
betaincomehigh	227.0	44.0594	0.0227	
sigma2	8517.9	1.1740	0.8518	

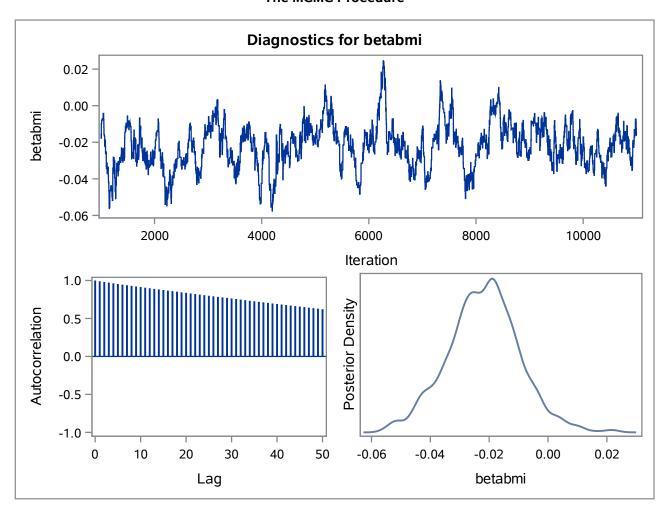
Deviance Information Criterion				
Dbar (posterior mean of deviance)	1272.647			
Dmean (deviance evaluated at posterior mean)	1259.084			
pD (effective number of parameters)	13.563			
DIC (smaller is better)	1286.211			

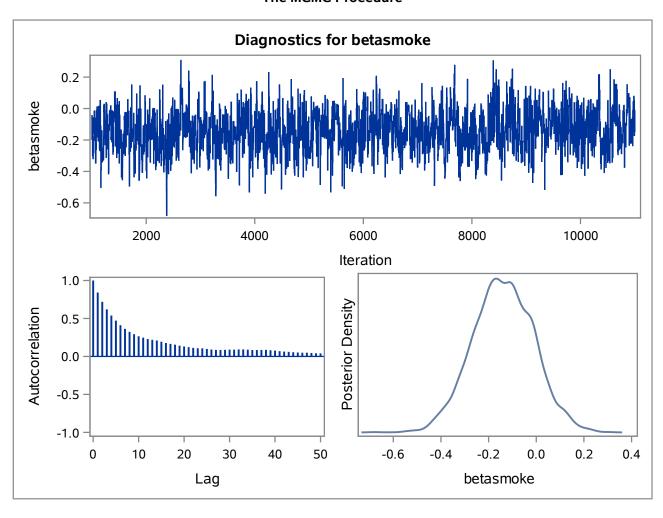


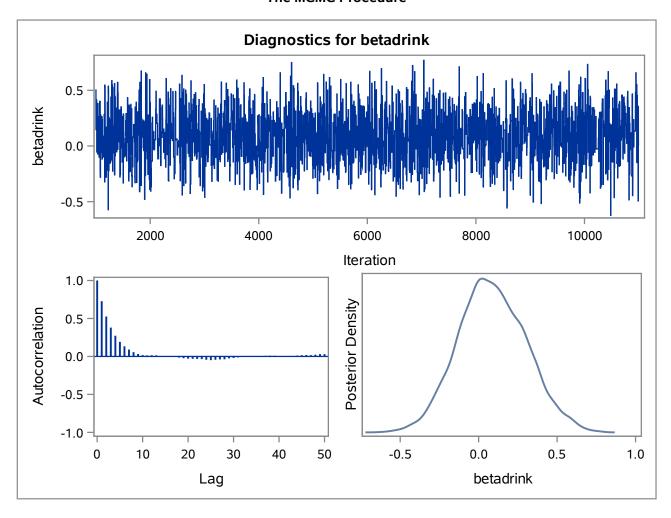


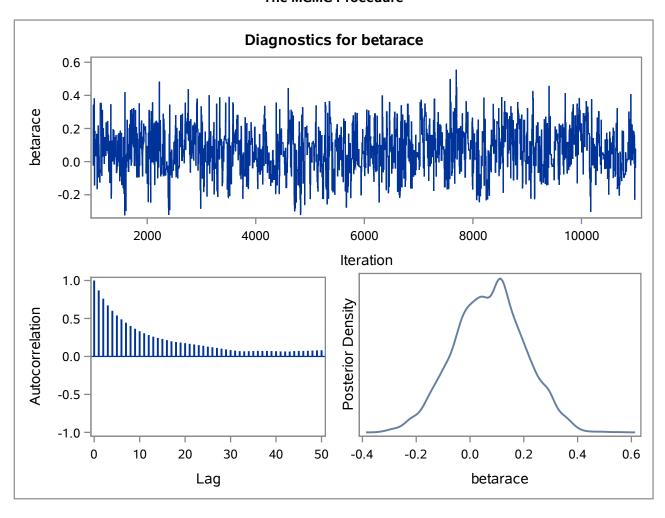


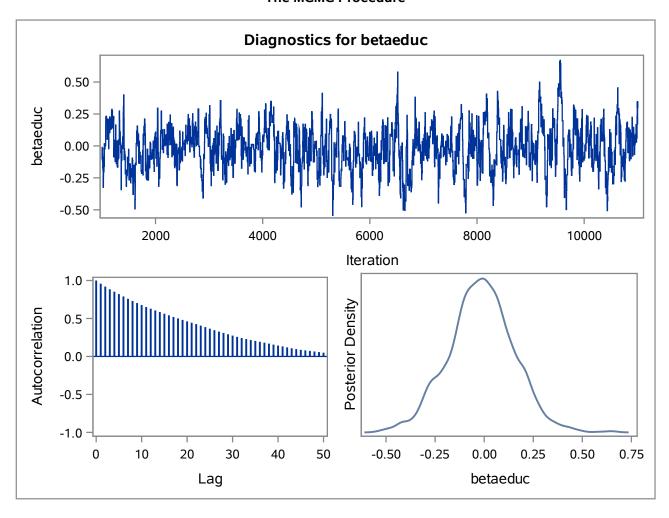


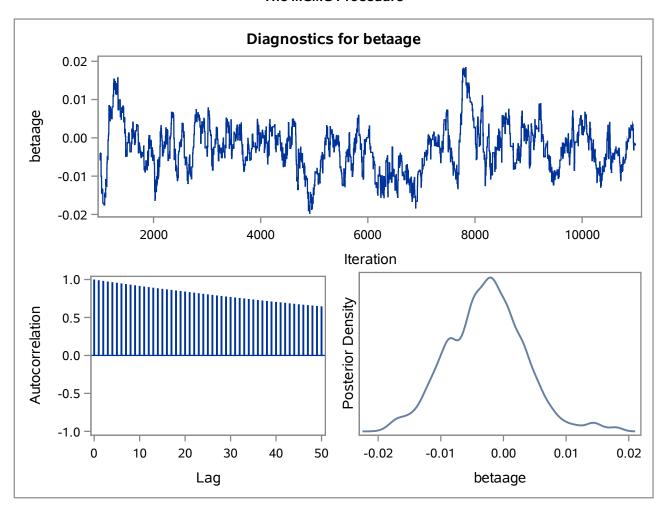


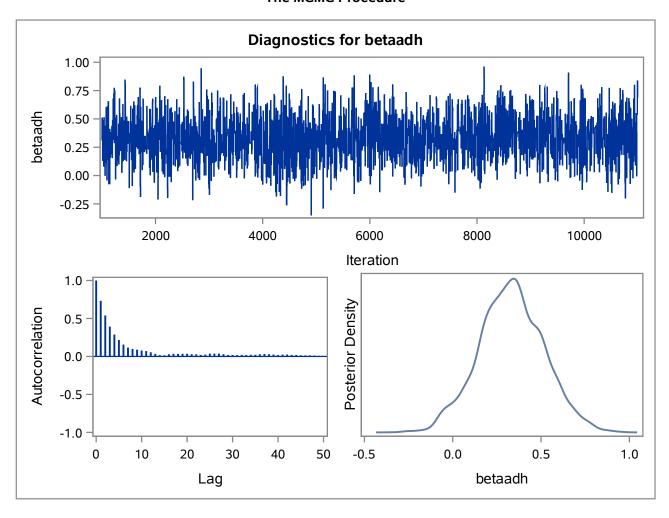


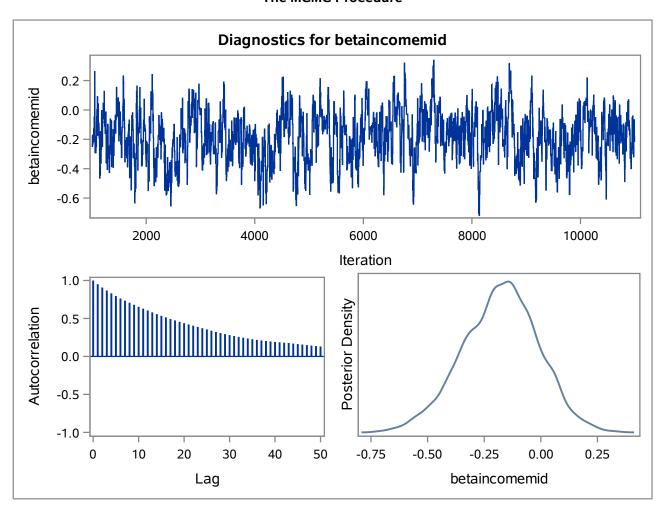


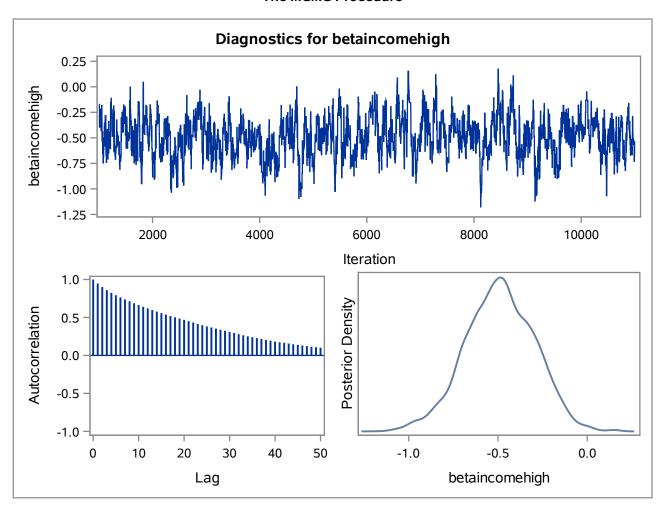


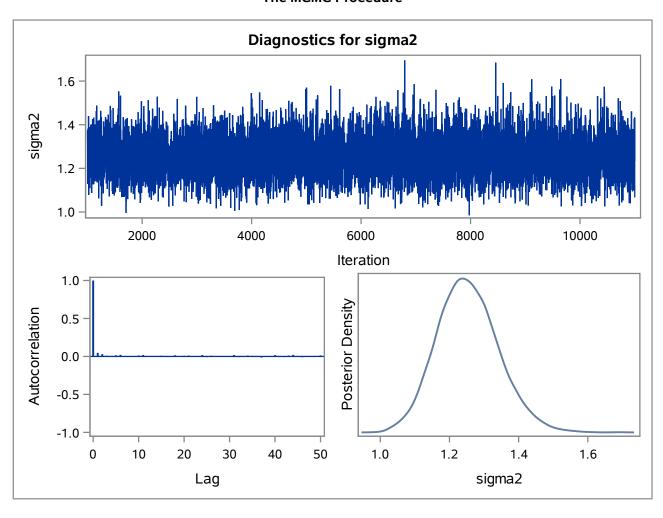












Number of Observations Read 415 Number of Observations Used 415

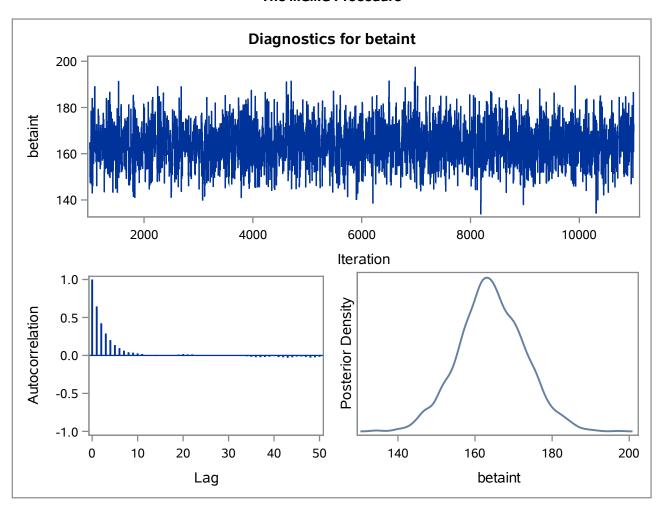
Parameters							
Block	Parameter	Sampling Method	Initial Value	Prior Distribution			
1	betaint	N-Metropolis	0	normal(mean = 0, var = 1000)			
2	betaharddrug	N-Metropolis	0	normal(mean = 0, var = 1000)			
3	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)			

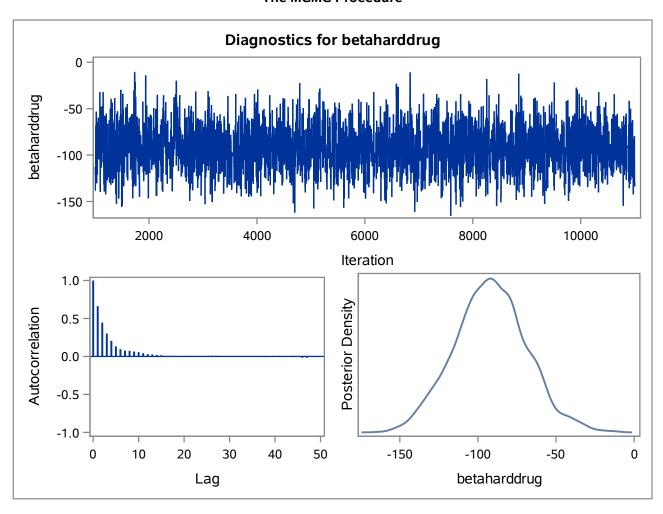
Posterior Summaries and Intervals						
Parameter	N	Mean	Standard Deviation	95% HPD Interval		
betaint	10000	164.3	8.4388	146.2	179.8	
betaharddrug	10000	-91.9045	23.1532	-141.7	-50.2472	
sigma2	10000	30771.5	2144.1	26779.1	35019.6	

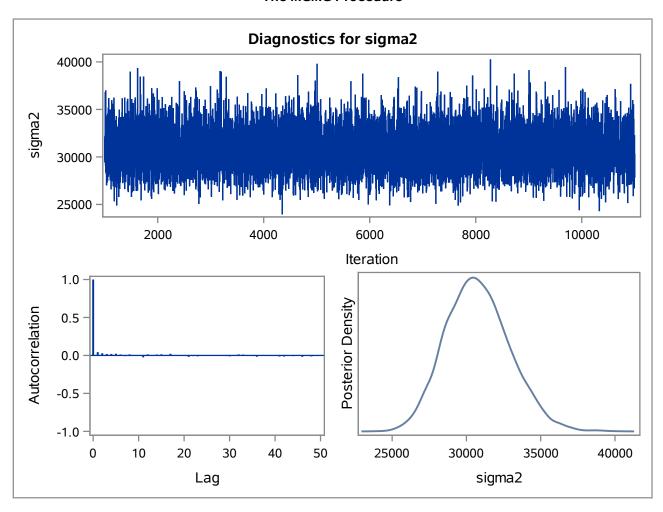
LEU3Ndiff crude model

Effective Sample Sizes					
Parameter	ESS	Autocorrelation Time	Efficiency		
betaint	2015.1	4.9626	0.2015		
betaharddrug	1817.3	5.5026	0.1817		
sigma2	7702.7	1.2983	0.7703		

Deviance Information Criterion				
Dbar (posterior mean of deviance)	5469.607			
Dmean (deviance evaluated at posterior mean)	5467.241			
pD (effective number of parameters)	2.365			
DIC (smaller is better)	5471.972			







Number of Observations Read 415 **Number of Observations Used** 415

Parameters							
Block	Sampling Initial Prior Distri		Prior Distribution				
1	betaint	N-Metropolis	0	normal(mean = 0, var = 1000)			
2	betaharddrug	N-Metropolis	0	normal(mean = 0, var = 1000)			
3	betabase	N-Metropolis	0	normal(mean = 0, var = 1000)			
4	betahash	N-Metropolis	0	normal(mean = 0, var = 1000)			
5	betabmi	N-Metropolis	0	normal(mean = 0, var = 1000)			
6	betasmoke	N-Metropolis	0	normal(mean = 0, var = 1000)			
7	betadrink	N-Metropolis	0	normal(mean = 0, var = 1000)			
8	betarace	N-Metropolis	0	normal(mean = 0, var = 1000)			
9	betaeduc	N-Metropolis	0	normal(mean = 0, var = 1000)			
10	betaage	N-Metropolis	0	normal(mean = 0, var = 1000)			
11	betaadh	N-Metropolis	0	normal(mean = 0, var = 1000)			
12	betaincomemid	N-Metropolis	0	normal(mean = 0, var = 1000)			
	betaincomehigh		0	normal(mean = 0, var = 1000)			
13	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)			

LEU3Ndiff full model

Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	10000	27.5771	30.8174	-33.6179	89.5638
betaharddrug	10000	-88.7467	23.2120	-135.9	-45.3024
betabase	10000	-0.0387	0.0432	-0.1205	0.0485
betahash	10000	34.3123	15.1673	4.7618	63.3088
betabmi	10000	6.3715	1.6540	3.1824	9.5719
betasmoke	10000	-3.4609	15.7170	-35.0752	25.5879
betadrink	10000	-3.8100	22.6149	-48.5244	38.6367
betarace	10000	-15.4124	16.4833	-49.6907	14.8440
betaeduc	10000	21.6077	19.6047	-16.9355	58.5617
betaage	10000	-0.3830	0.7587	-1.8799	0.9804
betaadh	10000	-23.1407	21.2907	-65.4788	16.5259
betaincomemid	10000	17.4479	17.2863	-15.1948	50.5652
betaincomehigh	10000	-29.0728	19.7291	-64.7162	10.4206
sigma2	10000	29767.7	2115.2	25688.7	33970.3

LEU3Ndiff full model

Effective Sample Sizes					
Parameter	ESS	Autocorrelation Time	Efficiency		
betaint	96.5	103.6	0.0097		
betaharddrug	1628.2	6.1417	0.1628		
betabase	275.5	36.2941	0.0276		
betahash	1006.6	9.9346	0.1007		
betabmi	62.2	160.8	0.0062		
betasmoke	898.6	11.1288	0.0899		
betadrink	1520.7	6.5759	0.1521		
betarace	608.9	16.4223	0.0609		
betaeduc	271.2	36.8704	0.0271		
betaage	70.2	142.4	0.0070		
betaadh	1261.0	7.9304	0.1261		
betaincomemid	505.1	19.7977	0.0505		
betaincomehigh	347.9	28.7426	0.0348		
sigma2	8134.1	1.2294	0.8134		

Deviance Information Criterion					
Dbar (posterior mean of deviance)	5455.632				
Dmean (deviance evaluated at posterior mean)	5445.956				
pD (effective number of parameters)	9.676				
DIC (smaller is better)	5465.308				

