Specifications					
Data Set	WORK.E				
Dependent Variable	у				
Distribution for Dependent Variable	Binary				
Random Effects	u				
Distribution for Random Effects	Normal				
Subject Variable	id				
Optimization Technique	Dual Quasi-Newton				
Integration Method	Adaptive Gaussian Quadrature				

Dimensions					
Dimensions .					
Observations Used	2148				
Observations Not Used	0				
Total Observations	2148				
Subjects	537				
Max Obs per Subject	4				
Parameters	4				
Quadrature Points	25				

	Initial Parameters									
int_	ms_	sigmasq	Negative Log Likelihood							
-3	0.4	-0.2	5	798.539648						

Iteration History									
Iteration	Calls	Negative Log Likelihood	Difference	Maximum Gradient	Slope				
1	5	798.0028	0.536863	5.34589	-99.8732				
2	8	797.7248	0.278024	0.88089	-19.5094				
3	11	797.6924	0.032357	0.73465	-0.25081				
4	13	797.6490	0.043421	0.077937	-0.07682				
5	15	797.6484	0.000627	0.003625	-0.00133				
6	18	797.6484	2.325E-6	0.000277	-4.71E-6				

Fit Statistics					
-2 Log Likelihood	1595.3				
AIC (smaller is better)	1603.3				
AICC (smaller is better)	1603.3				
BIC (smaller is better)	1620.4				

Parameter Estimates									
Parameter	Parameter Estimate Standard Error DF t Value Pr > t Confidence Limits								
int_	-3.1015	0.2190	536	-14.16	<.0001	-3.5318	-2.6712	0.000277	
ms_	0.3986	0.2731	536	1.46	0.1450	-0.1379	0.9350	0.000051	
age_	-0.1756	0.06768	536	-2.60	0.0097	-0.3086	-0.04268	-0.00019	
sigmasq	4.6869	0.8009	536	5.85	<.0001	3.1136	6.2601	0.000088	

Specifications					
Data Set	WORK.A				
Dependent Variable	у				
Distribution for Dependent Variable	Binary				
Random Effects	u				
Distribution for Random Effects	Normal				
Subject Variable	id				
Replicate Variable	count				
Optimization Technique	Dual Quasi-Newton				
Integration Method	Adaptive Gaussian Quadrature				

Dimensions					
Observations Used	128				
Observations Not Used	0				
Total Observations	128				
Subjects	537				
Max Obs per Subject	4				
Parameters	4				
Quadrature Points	25				

	Initial Parameters									
int_	ms_	Negative Log Likelihood								
-3	0.4	-0.2	5	798.539648						

Iteration History									
Iteration	Negative Log Maximum Cration Calls Likelihood Difference Gradient								
1	5	798.0028	0.536863	5.34589	-99.8732				
2	8	797.7248	0.278024	0.88089	-19.5094				
3	11	797.6924	0.032357	0.73465	-0.25081				
4	13	797.6490	0.043421	0.077937	-0.07682				
5	15	797.6484	0.000627	0.003625	-0.00133				
6	18	797.6484	2.325E-6	0.000277	-4.71E-6				

Fit Statistics					
-2 Log Likelihood	1595.3				
AIC (smaller is better)	1603.3				
AICC (smaller is better)	1603.6				
BIC (smaller is better)	1620.4				

Parameter Estimates									
Parameter	arameter Estimate Standard DF t Value Pr > t Confidence Limits								
int_	-3.1015	0.2190	536	-14.16	<.0001	-3.5318	-2.6712	0.000277	
ms_	0.3986	0.2731	536	1.46	0.1450	-0.1379	0.9350	0.000051	
age_	-0.1756	0.06768	536	-2.60	0.0097	-0.3086	-0.04268	-0.00019	
sigmasq	4.6869	0.8009	536	5.85	<.0001	3.1136	6.2601	0.000088	

Specifications					
Data Set	WORK.E				
Dependent Variable	у				
Distribution for Dependent Variable	Binary				
Random Effects	u				
Distribution for Random Effects	Normal				
Subject Variable	id				
Optimization Technique	Dual Quasi-Newton				
Integration Method	Adaptive Gaussian Quadrature				

Dimensions					
Observations Used	2148				
Observations Not Used	0				
Total Observations	2148				
Subjects	537				
Max Obs per Subject	4				
Parameters	4				
Quadrature Points	25				

	Initial Parameters								
int_	Negative Log Likelihood								
-3	0.4	-0.2	5	798.539648					

Iteration History									
Iteration	Calls	9		Maximum Gradient	Slope				
1	5	798.0028	0.536863	5.34589	-99.8732				
2	8	797.7248	0.278024	0.88089	-19.5094				
3	11	797.6924	0.032357	0.73465	-0.25081				
4	13	797.6490	0.043421	0.077937	-0.07682				
5	15	797.6484	0.000627	0.003625	-0.00133				
6	18	797.6484	2.325E-6	0.000277	-4.71E-6				

Fit Statistics				
-2 Log Likelihood	1595.3			
AIC (smaller is better)	1603.3			
AICC (smaller is better)	1603.3			
BIC (smaller is better)	1620.4			

	Parameter Estimates									
Parameter	Parameter Estimate Standard DF t Value Pr > t Confidence Limits							Gradient		
int_	-3.1015	0.2166	536	-14.32	<.0001	-3.5270	-2.6760	0.000277		
ms_	0.3986	0.2735	536	1.46	0.1457	-0.1387	0.9359	0.000051		
age_	-0.1756	0.06789	536	-2.59	0.0099	-0.3090	-0.04227	-0.00019		
sigmasq	4.6869	0.8257	536	5.68	<.0001	3.0649	6.3088	0.000088		

Specifications					
Data Set	WORK.A				
Dependent Variable	у				
Distribution for Dependent Variable	Binary				
Random Effects	u				
Distribution for Random Effects	Normal				
Subject Variable	id				
Replicate Variable	count				
Optimization Technique	Dual Quasi-Newton				
Integration Method	Adaptive Gaussian Quadrature				

Dimensions				
Observations Used	128			
Observations Not Used	0			
Total Observations	128			
Subjects	537			
Max Obs per Subject	4			
Parameters	4			
Quadrature Points	25			

	Initial Parameters								
int_ ms_ age_ sigmasq Likelih									
-3	0.4	-0.2	5	798.539648					

Iteration History									
Iteration	Calls	Negative Log Likelihood	Difference	Maximum Gradient	Slope				
1	5	798.0028	0.536863	5.34589	-99.8732				
2	8	797.7248	0.278024	0.88089	-19.5094				
3	11	797.6924	0.032357	0.73465	-0.25081				
4	13	797.6490	0.043421	0.077937	-0.07682				
5	15	797.6484	0.000627	0.003625	-0.00133				
6	18	797.6484	2.325E-6	0.000277	-4.71E-6				

Fit Statistics					
-2 Log Likelihood	1595.3				
AIC (smaller is better)	1603.3				
AICC (smaller is better)	1603.6				
BIC (smaller is better)	1620.4				

Parameter Estimates									
Parameter	arameter Estimate Standard DF t Value Pr > t Confidence Limits						Gradient		
int_	-3.1015	0.2166	536	-14.32	<.0001	-3.5270	-2.6760	0.000277	
ms_	0.3986	0.2735	536	1.46	0.1457	-0.1387	0.9359	0.000051	
age_	-0.1756	0.06789	536	-2.59	0.0099	-0.3090	-0.04227	-0.00019	
sigmasq	4.6869	0.8257	536	5.68	<.0001	3.0649	6.3088	0.000088	