

Final Random intercept model

The Mixed Procedure

Model Information	
Data Set	M.HEMODIALYSIS2
Dependent Variable	hb
Covariance Structures	Unstructured, Spatial Gaussian
Subject Effects	ID, ID
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions	
Covariance Parameters	4
Columns in X	8
Columns in Z per Subject	1
Subjects	3478
Max Obs per Subject	6

Number of Observations	
Number of Observations Read	9999
Number of Observations Used	9547
Number of Observations Not Used	452

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	32007.91087173	
1	2	28193.75643852	50.68511551
2	2	27978.09426526	5.06214242
3	2	27829.06164963	1.16784243
4	2	27767.56779202	0.00633485
5	2	27754.12225472	0.00201130
6	1	27742.29892870	0.00015475
7	1	27741.46397579	0.00000135
8	1	27741.45701542	0.00000000

Convergence criteria met.

Estimated R Matrix for ID 100001				
Row	Col1	Col2	Col3	Col4
1	1.0018	0.5411	0.2400	0.06191
2	0.5411	1.0018	0.5411	0.2400
3	0.2400	0.5411	1.0018	0.5411
4	0.06191	0.2400	0.5411	1.0018

Estimated R Correlation Matrix for ID 100001				
Row	Col1	Col2	Col3	Col4
1	1.0000	0.5401	0.2396	0.06180
2	0.5401	1.0000	0.5401	0.2396
3	0.2396	0.5401	1.0000	0.5401
4	0.06180	0.2396	0.5401	1.0000

Estimated G Matrix			
Row	Effect	ID	Col1
1	Intercept	100001	0.6919

Estimated G Correlation Matrix			
Row	Effect	ID	Col1
1	Intercept	100001	1.0000

Estimated V Matrix for ID 100001				
Row	Col1	Col2	Col3	Col4
1	1.6937	1.2330	0.9319	0.7538
2	1.2330	1.6937	1.2330	0.9319
3	0.9319	1.2330	1.6937	1.2330
4	0.7538	0.9319	1.2330	1.6937

Estimated V Correlation Matrix for ID 100001				
Row	Col1	Col2	Col3	Col4
1	1.0000	0.7280	0.5502	0.4451
2	0.7280	1.0000	0.7280	0.5502
3	0.5502	0.7280	1.0000	0.7280
4	0.4451	0.5502	0.7280	1.0000

Covariance Parameter Estimates					
Cov Parm	Subject	Estimate	Standard Error	Z Value	Pr > Z
UN(1,1)	ID	0.6919	0.05561	12.44	<.0001
Variance	ID	0.7095	0.04478	15.84	<.0001
SP(GAU)	ID	1.9210	0.1312	14.64	<.0001
Residual		0.2923	0.01639	17.83	<.0001

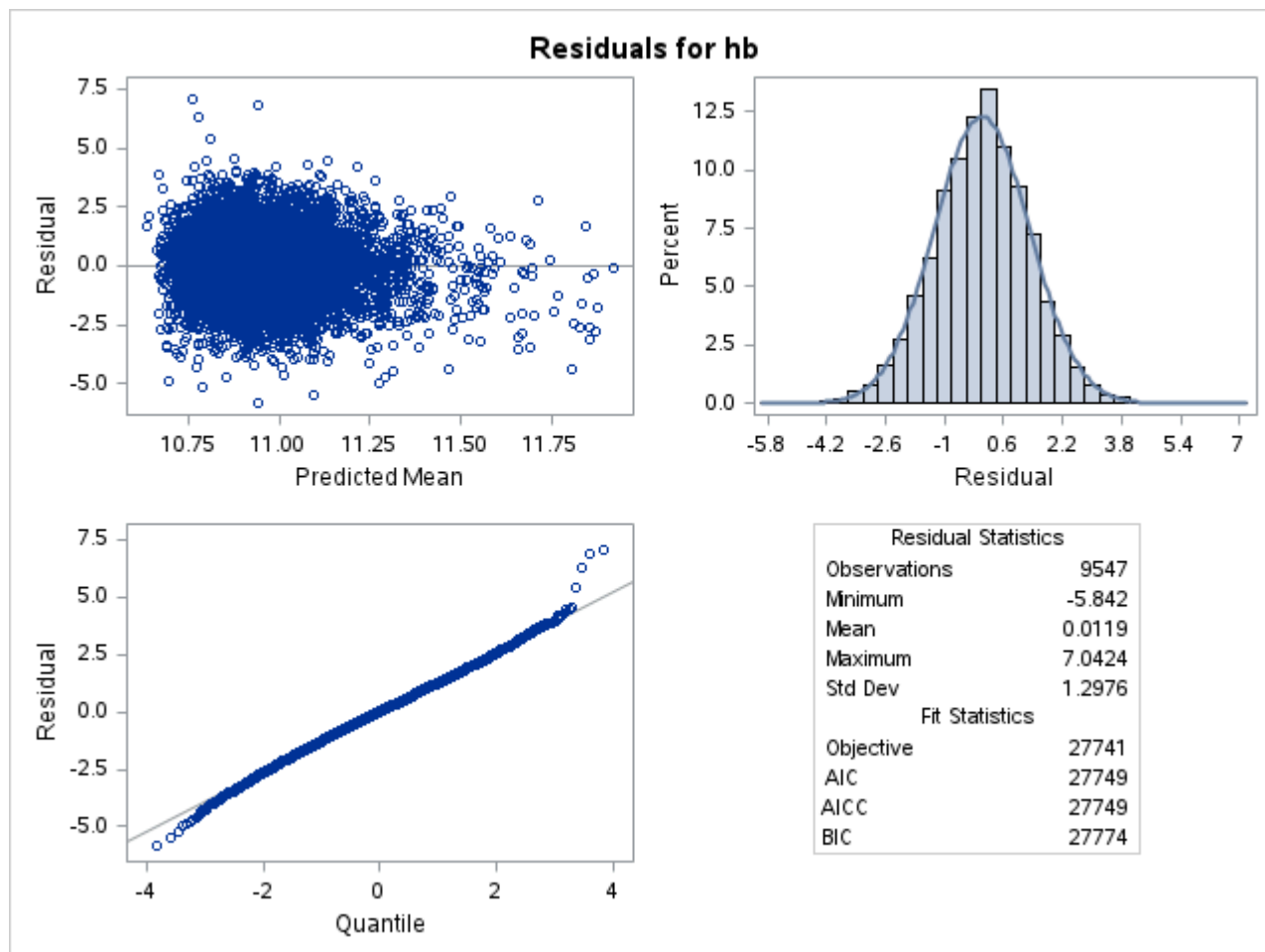
Fit Statistics	
-2 Res Log Likelihood	27741.5
AIC (Smaller is Better)	27749.5
AICC (Smaller is Better)	27749.5
BIC (Smaller is Better)	27774.1

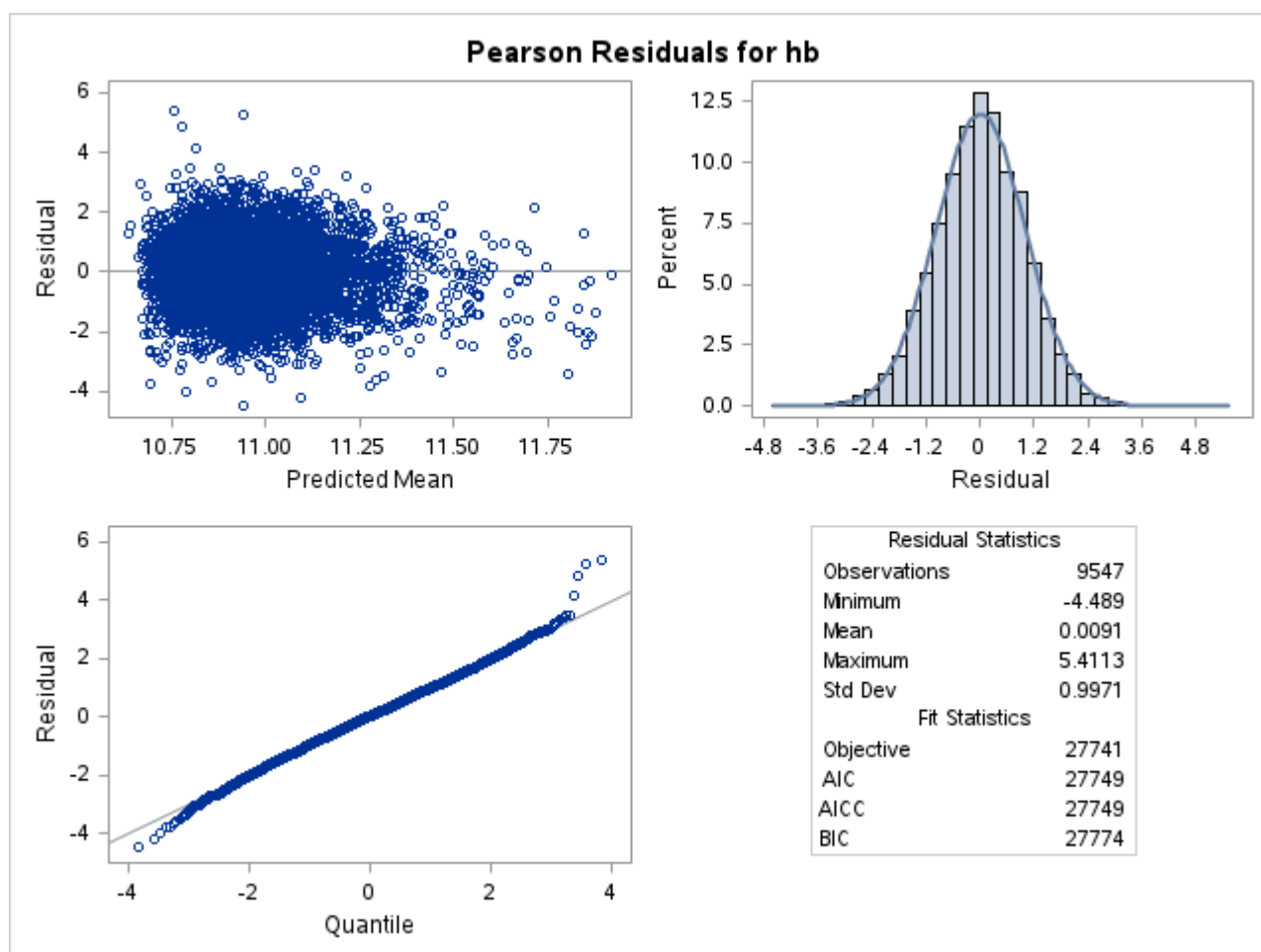
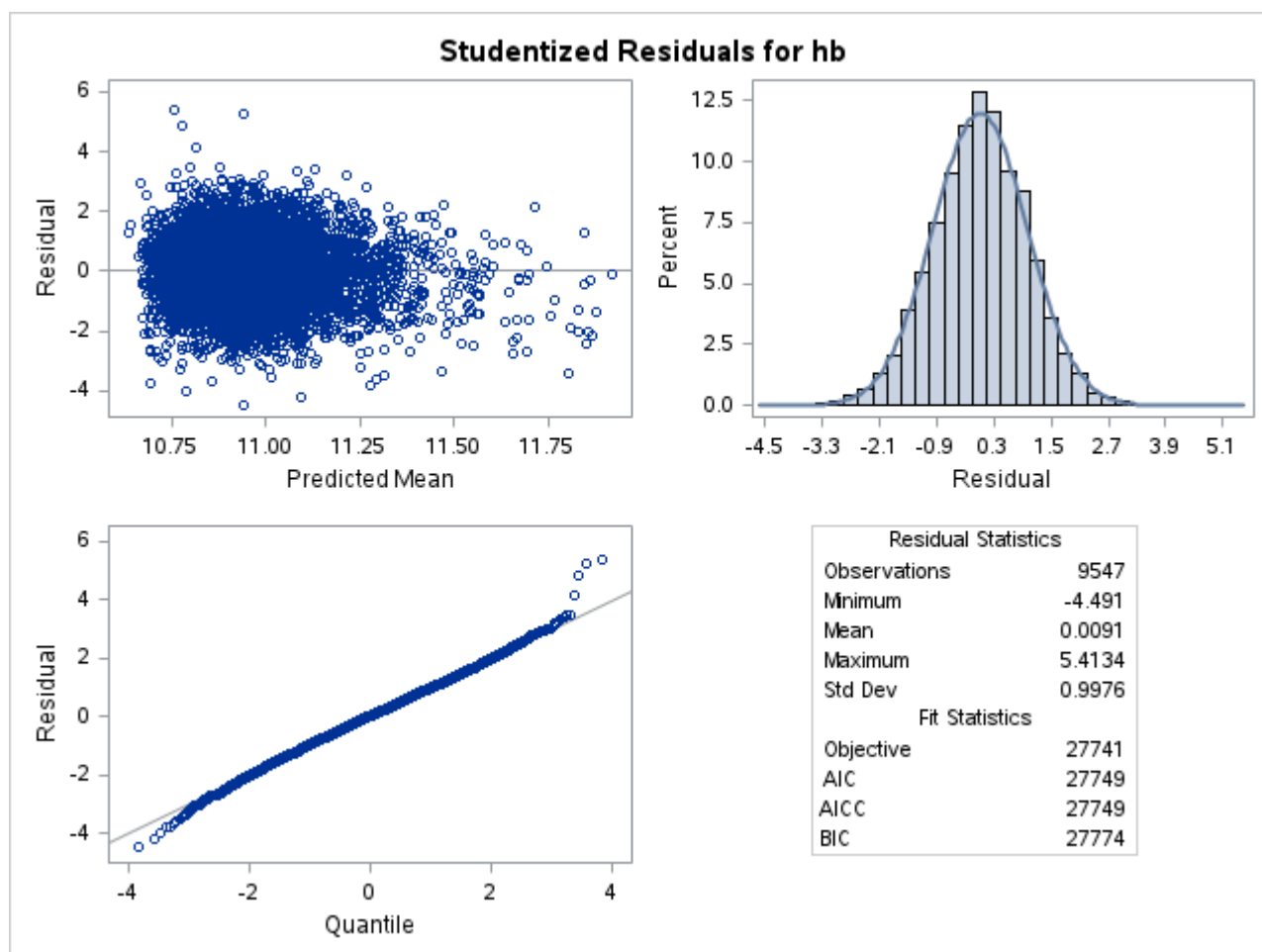
Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
3	4266.45	<.0001

Solution for Fixed Effects					
Effect	Estimate	Standard Error	DF	t Value	Pr > t
Intercept	10.6218	0.08853	3472	119.98	<.0001
DOSE2	0.000498	0.000176	6067	2.83	0.0046
AGE	0.002661	0.001309	6067	2.03	0.0421
SEX_male	0.1008	0.03925	6067	2.57	0.0102
iron	0.1662	0.03167	6067	5.25	<.0001
month0	-0.02817	0.01558	6067	-1.81	0.0706
DOSE2*month0	0.000504	0.000107	6067	4.71	<.0001
iron*month0	-0.04329	0.01820	6067	-2.38	0.0174

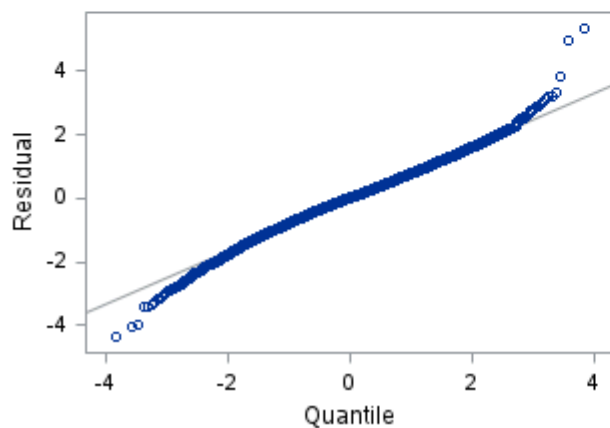
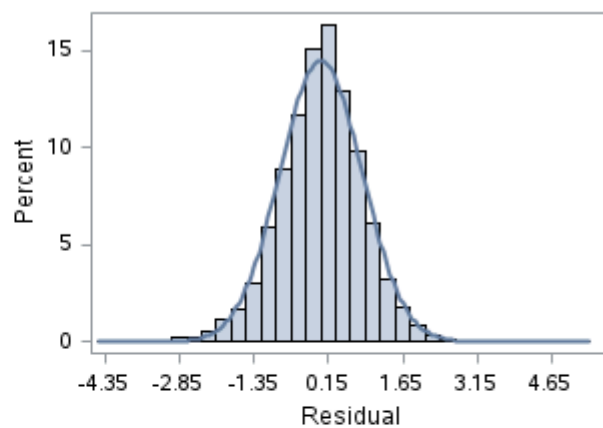
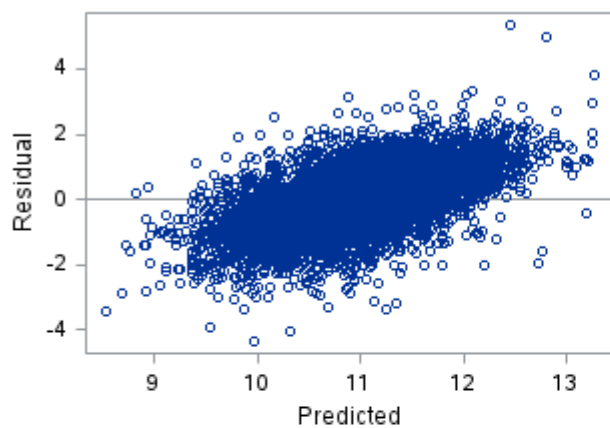
Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
DOSE2	1	6067	8.02	0.0046
AGE	1	6067	4.13	0.0421
SEX_male	1	6067	6.60	0.0102
iron	1	6067	27.53	<.0001
month0	1	6067	3.27	0.0706
DOSE2*month0	1	6067	22.23	<.0001
iron*month0	1	6067	5.66	0.0174



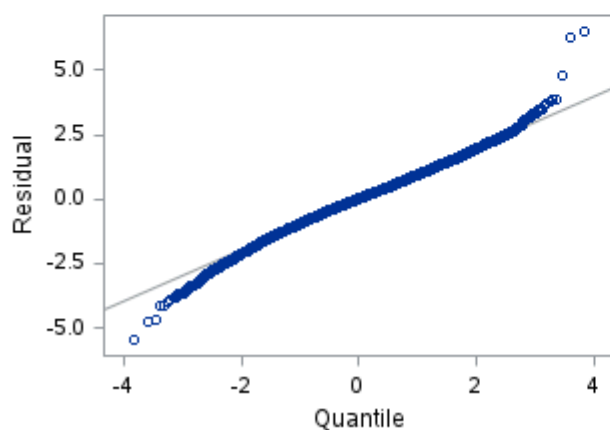
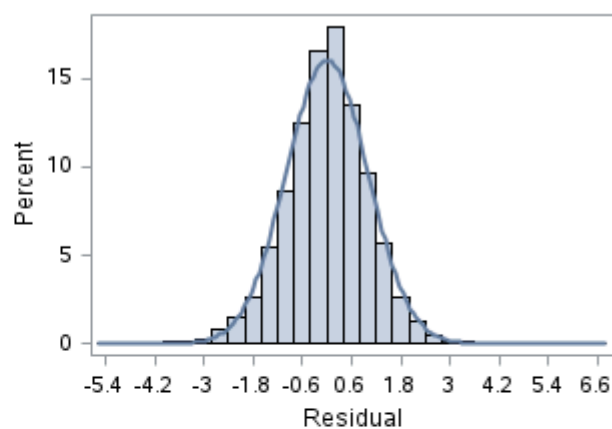
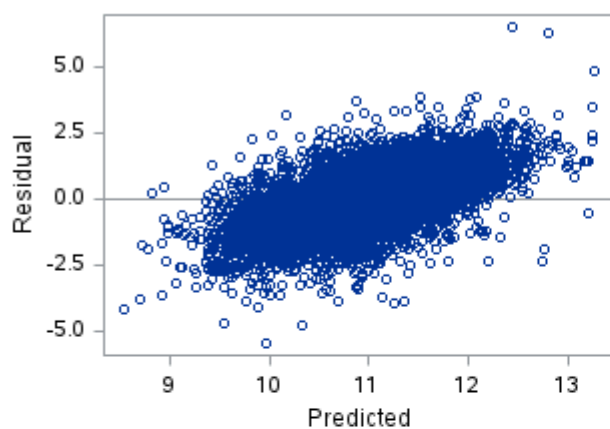


Conditional Residuals for hb



Residual Statistics	
Observations	9547
Minimum	-4.366
Mean	0.0022
Maximum	5.3502
Std Dev	0.8256
Fit Statistics	
Objective	27741
AIC	27749
AICC	27749
BIC	27774

Conditional Studentized Residuals for hb



Residual Statistics	
Observations	9547
Minimum	-5.472
Mean	0.0022
Maximum	6.5013
Std Dev	0.9977
Fit Statistics	
Objective	27741
AIC	27749
AICC	27749
BIC	27774

