tlc32.sas Treatment of Lead Exposed Children (TLC) Trial 0. d = y1, by group

The GENMOD Procedure

Treatment group (P=Placebo, A=Succimer)=A

Model Information		
Data Set	WORK.A	
Distribution	Normal	
Link Function	Identity	
Dependent Variable	d	Change, post - baseline

Number of Observations Read	50
Number of Observations Used	50

Criteria For Assessing Goodness Of Fit			
Criterion	**DF**	**Value**	**Value/DF**
Deviance	48	1732.0857	36.0851
Scaled Deviance	48	50.0000	1.0417
Pearson Chi-Square	48	1732.0857	36.0851
Scaled Pearson X2	48	50.0000	1.0417
Log Likelihood		-159.5734	
Full Log Likelihood		-159.5734	
AIC (smaller is better)		325.1468	
AICC (smaller is better)		325.6685	
BIC (smaller is better)		330.8828	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	-2.2062	4.5217	-11.0686	6.6562	0.24	0.6256
y1	1	-0.2914	0.1675	-0.6196	0.0368	3.03	0.0818
Scale	1	5.8857	0.5886	4.8382	7.1601		

Note: The scale parameter was estimated by maximum likelihood.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial 0. d = y1, by group

The GENMOD Procedure

Treatment group (P=Placebo, A=Succimer)=P

Model Information		
Data Set	WORK.A	
Distribution	Normal	
Link Function	Identity	
Dependent Variable	d	Change, post - baseline

Number of Observations Read	50
Number of Observations Used	50

Criteria For Assessing Goodness Of Fit			
Criterion	**DF**	**Value**	**Value/DF**
Deviance	48	362.1363	7.5445
Scaled Deviance	48	50.0000	1.0417
Pearson Chi-Square	48	362.1363	7.5445
Scaled Pearson X2	48	50.0000	1.0417
Log Likelihood		-120.4469	
Full Log Likelihood		-120.4469	
AIC (smaller is better)		246.8937	
AICC (smaller is better)		247.4155	
BIC (smaller is better)		252.6298	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	0.3848	2.0461	-3.6255	4.3952	0.04	0.8508
y1	1	-0.0964	0.0765	-0.2463	0.0536	1.59	0.2080
Scale	1	2.6912	0.2691	2.2122	3.2739		

Note: The scale parameter was estimated by maximum likelihood.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
1. d = group

The GENMOD Procedure

Model Information		
Data Set	WORK.A	
Distribution	Normal	
Link Function	Identity	
Dependent Variable	d	Change, post - baseline

Number of Observations Read	100
Number of Observations Used	100

Class Level Information		
Class	**Levels**	**Values**
group	2	A P

Criteria For Assessing Goodness Of Fit			
Criterion	**DF**	**Value**	**Value/DF**
Deviance	98	2210.6184	22.5573
Scaled Deviance	98	100.0000	1.0204
Pearson Chi-Square	98	2210.6184	22.5573
Scaled Pearson X2	98	100.0000	1.0204
Log Likelihood		-296.6867	
Full Log Likelihood		-296.6867	
AIC (smaller is better)		599.3734	
AICC (smaller is better)		599.6234	
BIC (smaller is better)		607.1890	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	-2.1467	0.6649	-3.4499	-0.8434	10.42	0.0012
group	A	1	-7.7940	0.9403	-9.6370	-5.9510	68.70	<.0001
group	P	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		1	4.7017	0.3325	4.0932	5.4006		

Note: The scale parameter was estimated by maximum likelihood.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial 2. d = group y1

The GENMOD Procedure

Model Information		
Data Set	WORK.A	
Distribution	Normal	
Link Function	Identity	
Dependent Variable	d	Change, post - baseline

Number of Observations Read	100
Number of Observations Used	100

Class Level Information		
Class	**Levels**	**Values**
group	2	A P

Criteria For Assessing Goodness Of Fit			
Criterion	**DF**	**Value**	**Value/DF**
Deviance	97	2117.7396	21.8324
Scaled Deviance	97	100.0000	1.0309
Pearson Chi-Square	97	2117.7396	21.8324
Scaled Pearson X2	97	100.0000	1.0309
Log Likelihood		-294.5406	
Full Log Likelihood		-294.5406	
AIC (smaller is better)		597.0811	
AICC (smaller is better)		597.5022	
BIC (smaller is better)		607.5018	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	2.9457	2.5172	-1.9880	7.8793	1.37	0.2419
group	A	1	-7.7421	0.9207	-9.5466	-5.9375	70.71	<.0001
group	P	0	0.0000	0.0000	0.0000	0.0000	.	.
y1		1	-0.1938	0.0926	-0.3752	-0.0124	4.39	0.0362
Scale		1	4.6019	0.3254	4.0063	5.2860		

Note: The scale parameter was estimated by maximum likelihood.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial 3. y2 = group y1

The GENMOD Procedure

Model Information		
Data Set	WORK.A	
Distribution	Normal	
Link Function	Identity	
Dependent Variable	y2	Post-baseline mean

Number of Observations Read	100
Number of Observations Used	100

Class Level Information		
Class	**Levels**	**Values**
group	2	A P

Criteria For Assessing Goodness Of Fit			
Criterion	**DF**	**Value**	**Value/DF**
Deviance	97	2117.7396	21.8324
Scaled Deviance	97	100.0000	1.0309
Pearson Chi-Square	97	2117.7396	21.8324
Scaled Pearson X2	97	100.0000	1.0309
Log Likelihood		-294.5406	
Full Log Likelihood		-294.5406	
AIC (smaller is better)		597.0811	
AICC (smaller is better)		597.5022	
BIC (smaller is better)		607.5018	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	2.9457	2.5172	-1.9880	7.8793	1.37	0.2419
group	A	1	-7.7421	0.9207	-9.5466	-5.9375	70.71	<.0001
group	P	0	0.0000	0.0000	0.0000	0.0000	.	.
y1		1	0.8062	0.0926	0.6248	0.9876	75.87	<.0001
Scale		1	4.6019	0.3254	4.0063	5.2860		

Note: The scale parameter was estimated by maximum likelihood.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
4. d = group y1 (group), equivalent to group | y1

The GENMOD Procedure

Model Information		
Data Set	WORK.A	
Distribution	Normal	
Link Function	Identity	
Dependent Variable	d	Change, post - baseline

Number of Observations Read	100
Number of Observations Used	100

Class Level Information		
Class	**Levels**	**Values**
group	2	A P

Criteria For Assessing Goodness Of Fit			
Criterion	**DF**	**Value**	**Value/DF**
Deviance	96	2094.2219	21.8148
Scaled Deviance	96	100.0000	1.0417
Pearson Chi-Square	96	2094.2219	21.8148
Scaled Pearson X2	96	100.0000	1.0417
Log Likelihood		-293.9822	
Full Log Likelihood		-293.9822	
AIC (smaller is better)		597.9644	
AICC (smaller is better)		598.6027	
BIC (smaller is better)		610.9903	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	0.3848	3.4793	-6.4345	7.2042	0.01	0.9119
group	A	1	-2.5910	4.9463	-12.2856	7.1036	0.27	0.6004
group	P	0	0.0000	0.0000	0.0000	0.0000	.	.
y1(group)	A	1	-0.2914	0.1302	-0.5466	-0.0362	5.01	0.0252
y1(group)	P	1	-0.0964	0.1301	-0.3514	0.1587	0.55	0.4590
Scale		1	4.5763	0.3236	3.9840	5.2565		

Note: The scale parameter was estimated by maximum likelihood.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The GENMOD Procedure

Model Information		
Data Set	WORK.A	
Distribution	Normal	
Link Function	Identity	
Dependent Variable	d	Change, post - baseline

Number of Observations Read	100
Number of Observations Used	100

Class Level Information		
Class	**Levels**	**Values**
group	2	A P

Criteria For Assessing Goodness Of Fit			
Criterion	**DF**	**Value**	**Value/DF**
Deviance	96	2094.2219	21.8148
Scaled Deviance	96	100.0000	1.0417
Pearson Chi-Square	96	2094.2219	21.8148
Scaled Pearson X2	96	100.0000	1.0417
Log Likelihood		-293.9822	
Full Log Likelihood		-293.9822	
AIC (smaller is better)		597.9644	
AICC (smaller is better)		598.6027	
BIC (smaller is better)		610.9903	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	0.3848	3.4793	-6.4345	7.2042	0.01	0.9119
group	A	1	-2.5910	4.9463	-12.2856	7.1036	0.27	0.6004
group	P	0	0.0000	0.0000	0.0000	0.0000	.	.
y1		1	-0.0964	0.1301	-0.3514	0.1587	0.55	0.4590
y1*group	A	1	-0.1951	0.1841	-0.5559	0.1657	1.12	0.2893

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
y1*group	P	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		1	4.5763	0.3236	3.9840	5.2565		

Note: The scale parameter was estimated by maximum likelihood.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The Mixed Procedure

Model Information	
Data Set	WORK.A
Dependent Variable	y
Covariance Structure	Unstructured
Subject Effect	id
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Between-Within

Class Level Information		
Class	**Levels**	**Values**
id	100	2 3 5 6 12 14 19 20 22 23 25 26 27 29 31 32 36 39 40 43 44 45 48 49 53 54 57 64 65 66 68 69 70 71 72 79 82 85 87 89 90 91 93 94 95 96 97 98 99 100 1 4 7 8 9 10 11 13 15 16 17 18 21 24 28 30 33 34 35 37 38 41 42 46 47 50 51 52 55 56 58 59 60 61 62 63 67 73 74 75 76 77 78 80 81 83 84 86 88 92
group	2	A P
time	4	6 4 1 0

Dimensions	
Covariance Parameters	10
Columns in X	15
Columns in Z	0
Subjects	100
Max Obs per Subject	4

Number of Observations	
Number of Observations Read	400
Number of Observations Used	400
Number of Observations Not Used	0

Iteration History			
Iteration	**Evaluations**	**-2 Res Log Like**	**Criterion**
0	1	2626.25517748	
1	1	2416.07594087	0.00000000

Convergence criteria met.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The Mixed Procedure

Estimated R Matrix for id 2				
Row	Col1	Col2	Col3	Col4
1	58.6510	30.6205	29.6750	22.2016
2	30.6205	47.3778	35.5351	19.6995
3	29.6750	35.5351	44.3458	19.1074
4	22.2016	19.6995	19.1074	25.2257

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
UN(1,1)	id	58.6510
UN(2,1)	id	30.6205
UN(2,2)	id	47.3778
UN(3,1)	id	29.6750
UN(3,2)	id	35.5351
UN(3,3)	id	44.3458
UN(4,1)	id	22.2016
UN(4,2)	id	19.6995
UN(4,3)	id	19.1074
UN(4,4)	id	25.2257

Fit Statistics	
-2 Res Log Likelihood	2416.1
AIC (Smaller is Better)	2436.1
AICC (Smaller is Better)	2436.7
BIC (Smaller is Better)	2462.1

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
9	210.18	<.0001

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The Mixed Procedure

Solution for Fixed Effects							
Effect	**group**	**time**	**Estimate**	**Standard Error**	**DF**	**t Value**	**Pr > |t|**
Intercept			26.2720	0.7103	98	36.99	<.0001
group	A		0.2680	1.0045	98	0.27	0.7902
group	P		0	.	.	.	.
time		6	-2.6260	0.8885	98	-2.96	0.0039
time		4	-2.2020	0.8149	98	-2.70	0.0081
time		1	-1.6120	0.7919	98	-2.04	0.0445
time		0	0	.	.	.	.
group*time	A	6	-3.1520	1.2566	98	-2.51	0.0138
group*time	A	4	-8.8240	1.1525	98	-7.66	<.0001
group*time	A	1	-11.4060	1.1199	98	-10.18	<.0001
group*time	A	0	0	.	.	.	.
group*time	P	6	0	.	.	.	.
group*time	P	4	0	.	.	.	.
group*time	P	1	0	.	.	.	.
group*time	P	0	0	.	.	.	.

Type 3 Tests of Fixed Effects						
Effect	**Num DF**	**Den DF**	**Chi-Square**	**F Value**	**Pr > ChiSq**	**Pr > F**
group	1	98	25.43	25.43	<.0001	<.0001
time	3	98	184.48	61.49	<.0001	<.0001
group*time	3	98	107.79	35.93	<.0001	<.0001

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
1	1	P	30.8	30.8	0
2	1	P	30.8	26.9	1
3	1	P	30.8	25.8	4
4	1	P	30.8	23.8	6
5	2	A	26.5	26.5	0
6	2	A	26.5	14.8	1
7	2	A	26.5	19.5	4
8	2	A	26.5	21.0	6
9	3	A	25.8	25.8	0
10	3	A	25.8	23.0	1
11	3	A	25.8	19.1	4
12	3	A	25.8	23.2	6
13	4	P	24.7	24.7	0
14	4	P	24.7	24.5	1
15	4	P	24.7	22.0	4
16	4	P	24.7	22.5	6
17	5	A	20.4	20.4	0
18	5	A	20.4	2.8	1
19	5	A	20.4	3.2	4
20	5	A	20.4	9.4	6
21	6	A	20.4	20.4	0
22	6	A	20.4	5.4	1
23	6	A	20.4	4.5	4
24	6	A	20.4	11.9	6
25	7	P	28.6	28.6	0
26	7	P	28.6	20.8	1
27	7	P	28.6	19.2	4
28	7	P	28.6	18.4	6
29	8	P	33.7	33.7	0
30	8	P	33.7	31.6	1
31	8	P	33.7	28.5	4
32	8	P	33.7	25.1	6
33	9	P	19.7	19.7	0
34	9	P	19.7	14.9	1
35	9	P	19.7	15.3	4
36	9	P	19.7	14.7	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
37	10	P	31.1	31.1	0
38	10	P	31.1	31.2	1
39	10	P	31.1	29.2	4
40	10	P	31.1	30.1	6
41	11	P	19.8	19.8	0
42	11	P	19.8	17.5	1
43	11	P	19.8	20.5	4
44	11	P	19.8	27.5	6
45	12	A	24.8	24.8	0
46	12	A	24.8	23.1	1
47	12	A	24.8	24.6	4
48	12	A	24.8	30.9	6
49	13	P	21.4	21.4	0
50	13	P	21.4	26.3	1
51	13	P	21.4	19.5	4
52	13	P	21.4	19.0	6
53	14	A	27.9	27.9	0
54	14	A	27.9	6.3	1
55	14	A	27.9	18.5	4
56	14	A	27.9	16.3	6
57	15	P	21.1	21.1	0
58	15	P	21.1	20.3	1
59	15	P	21.1	18.4	4
60	15	P	21.1	20.8	6
61	16	P	20.6	20.6	0
62	16	P	20.6	23.9	1
63	16	P	20.6	19.0	4
64	16	P	20.6	17.0	6
65	17	P	24.0	24.0	0
66	17	P	24.0	16.7	1
67	17	P	24.0	21.7	4
68	17	P	24.0	20.3	6
69	18	P	37.6	37.6	0
70	18	P	37.6	33.7	1
71	18	P	37.6	34.4	4
72	18	P	37.6	31.4	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
73	19	A	35.3	35.3	0
74	19	A	35.3	25.5	1
75	19	A	35.3	26.3	4
76	19	A	35.3	30.3	6
77	20	A	28.6	28.6	0
78	20	A	28.6	15.8	1
79	20	A	28.6	22.9	4
80	20	A	28.6	25.9	6
81	21	P	31.9	31.9	0
82	21	P	31.9	27.9	1
83	21	P	31.9	27.3	4
84	21	P	31.9	34.2	6
85	22	A	29.6	29.6	0
86	22	A	29.6	15.8	1
87	22	A	29.6	23.7	4
88	22	A	29.6	23.4	6
89	23	A	21.5	21.5	0
90	23	A	21.5	6.5	1
91	23	A	21.5	7.1	4
92	23	A	21.5	16.0	6
93	24	P	26.2	26.2	0
94	24	P	26.2	26.8	1
95	24	P	26.2	25.3	4
96	24	P	26.2	24.8	6
97	25	A	21.8	21.8	0
98	25	A	21.8	12.0	1
99	25	A	21.8	16.8	4
100	25	A	21.8	19.2	6
101	26	A	23.0	23.0	0
102	26	A	23.0	4.2	1
103	26	A	23.0	4.0	4
104	26	A	23.0	16.2	6
105	27	A	22.2	22.2	0
106	27	A	22.2	11.5	1
107	27	A	22.2	9.5	4
108	27	A	22.2	14.5	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
109	28	P	20.5	20.5	0
110	28	P	20.5	21.1	1
111	28	P	20.5	17.4	4
112	28	P	20.5	21.1	6
113	29	A	25.0	25.0	0
114	29	A	25.0	3.9	1
115	29	A	25.0	12.8	4
116	29	A	25.0	12.7	6
117	30	P	33.3	33.3	0
118	30	P	33.3	26.2	1
119	30	P	33.3	34.0	4
120	30	P	33.3	28.2	6
121	31	A	26.0	26.0	0
122	31	A	26.0	21.4	1
123	31	A	26.0	21.0	4
124	31	A	26.0	22.4	6
125	32	A	19.7	19.7	0
126	32	A	19.7	13.2	1
127	32	A	19.7	14.6	4
128	32	A	19.7	11.6	6
129	33	P	27.9	27.9	0
130	33	P	27.9	21.6	1
131	33	P	27.9	23.6	4
132	33	P	27.9	27.7	6
133	34	P	24.7	24.7	0
134	34	P	24.7	21.2	1
135	34	P	24.7	22.9	4
136	34	P	24.7	21.9	6
137	35	P	28.8	28.8	0
138	35	P	28.8	26.4	1
139	35	P	28.8	23.8	4
140	35	P	28.8	22.0	6
141	36	A	29.6	29.6	0
142	36	A	29.6	17.5	1
143	36	A	29.6	21.0	4
144	36	A	29.6	24.2	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
145	37	P	32.0	32.0	0
146	37	P	32.0	30.2	1
147	37	P	32.0	30.2	4
148	37	P	32.0	27.5	6
149	38	P	21.8	21.8	0
150	38	P	21.8	19.3	1
151	38	P	21.8	16.4	4
152	38	P	21.8	17.6	6
153	39	A	24.4	24.4	0
154	39	A	24.4	16.4	1
155	39	A	24.4	11.6	4
156	39	A	24.4	16.6	6
157	40	A	33.7	33.7	0
158	40	A	33.7	14.9	1
159	40	A	33.7	14.5	4
160	40	A	33.7	63.9	6
161	41	P	24.9	24.9	0
162	41	P	24.9	20.9	1
163	41	P	24.9	22.2	4
164	41	P	24.9	19.8	6
165	42	P	19.8	19.8	0
166	42	P	19.8	18.9	1
167	42	P	19.8	18.9	4
168	42	P	19.8	15.5	6
169	43	A	26.7	26.7	0
170	43	A	26.7	6.4	1
171	43	A	26.7	5.1	4
172	43	A	26.7	15.1	6
173	44	A	26.8	26.8	0
174	44	A	26.8	20.4	1
175	44	A	26.8	19.3	4
176	44	A	26.8	23.8	6
177	45	A	20.2	20.2	0
178	45	A	20.2	10.6	1
179	45	A	20.2	9.0	4
180	45	A	20.2	16.0	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
181	46	P	35.4	35.4	0
182	46	P	35.4	30.4	1
183	46	P	35.4	26.5	4
184	46	P	35.4	28.1	6
185	47	P	25.3	25.3	0
186	47	P	25.3	23.9	1
187	47	P	25.3	22.2	4
188	47	P	25.3	27.2	6
189	48	A	20.2	20.2	0
190	48	A	20.2	17.5	1
191	48	A	20.2	17.4	4
192	48	A	20.2	18.6	6
193	49	A	24.5	24.5	0
194	49	A	24.5	10.0	1
195	49	A	24.5	15.6	4
196	49	A	24.5	15.2	6
197	50	P	20.3	20.3	0
198	50	P	20.3	21.0	1
199	50	P	20.3	16.7	4
200	50	P	20.3	13.5	6
201	51	P	20.4	20.4	0
202	51	P	20.4	17.2	1
203	51	P	20.4	15.9	4
204	51	P	20.4	17.7	6
205	52	P	24.1	24.1	0
206	52	P	24.1	20.1	1
207	52	P	24.1	17.9	4
208	52	P	24.1	18.7	6
209	53	A	27.1	27.1	0
210	53	A	27.1	14.9	1
211	53	A	27.1	18.1	4
212	53	A	27.1	21.3	6
213	54	A	34.7	34.7	0
214	54	A	34.7	39.0	1
215	54	A	34.7	28.8	4
216	54	A	34.7	34.7	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
217	55	P	28.5	28.5	0
218	55	P	28.5	32.6	1
219	55	P	28.5	27.5	4
220	55	P	28.5	22.8	6
221	56	P	26.6	26.6	0
222	56	P	26.6	22.4	1
223	56	P	26.6	21.8	4
224	56	P	26.6	21.0	6
225	57	A	24.5	24.5	0
226	57	A	24.5	5.1	1
227	57	A	24.5	8.2	4
228	57	A	24.5	23.6	6
229	58	P	20.5	20.5	0
230	58	P	20.5	17.5	1
231	58	P	20.5	19.6	4
232	58	P	20.5	18.4	6
233	59	P	25.2	25.2	0
234	59	P	25.2	25.1	1
235	59	P	25.2	23.4	4
236	59	P	25.2	22.2	6
237	60	P	34.7	34.7	0
238	60	P	34.7	39.5	1
239	60	P	34.7	38.6	4
240	60	P	34.7	43.3	6
241	61	P	30.3	30.3	0
242	61	P	30.3	29.4	1
243	61	P	30.3	33.1	4
244	61	P	30.3	28.4	6
245	62	P	26.6	26.6	0
246	62	P	26.6	25.3	1
247	62	P	26.6	25.1	4
248	62	P	26.6	27.9	6
249	63	P	20.7	20.7	0
250	63	P	20.7	19.3	1
251	63	P	20.7	21.9	4
252	63	P	20.7	21.8	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
253	64	A	27.7	27.7	0
254	64	A	27.7	4.0	1
255	64	A	27.7	4.2	4
256	64	A	27.7	11.7	6
257	65	A	24.3	24.3	0
258	65	A	24.3	24.3	1
259	65	A	24.3	18.4	4
260	65	A	24.3	27.8	6
261	66	A	36.6	36.6	0
262	66	A	36.6	23.3	1
263	66	A	36.6	40.4	4
264	66	A	36.6	39.3	6
265	67	P	28.9	28.9	0
266	67	P	28.9	28.9	1
267	67	P	28.9	32.8	4
268	67	P	28.9	31.8	6
269	68	A	34.0	34.0	0
270	68	A	34.0	10.7	1
271	68	A	34.0	12.6	4
272	68	A	34.0	21.2	6
273	69	A	32.6	32.6	0
274	69	A	32.6	19.0	1
275	69	A	32.6	16.3	4
276	69	A	32.6	18.6	6
277	70	A	29.2	29.2	0
278	70	A	29.2	9.2	1
279	70	A	29.2	8.3	4
280	70	A	29.2	18.4	6
281	71	A	26.4	26.4	0
282	71	A	26.4	15.3	1
283	71	A	26.4	24.6	4
284	71	A	26.4	32.4	6
285	72	A	21.8	21.8	0
286	72	A	21.8	10.6	1
287	72	A	21.8	14.4	4
288	72	A	21.8	18.7	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
289	73	P	27.2	27.2	0
290	73	P	27.2	28.5	1
291	73	P	27.2	35.0	4
292	73	P	27.2	30.5	6
293	74	P	22.4	22.4	0
294	74	P	22.4	22.0	1
295	74	P	22.4	19.1	4
296	74	P	22.4	18.7	6
297	75	P	32.5	32.5	0
298	75	P	32.5	25.1	1
299	75	P	32.5	27.8	4
300	75	P	32.5	27.3	6
301	76	P	24.9	24.9	0
302	76	P	24.9	23.6	1
303	76	P	24.9	21.2	4
304	76	P	24.9	21.1	6
305	77	P	24.6	24.6	0
306	77	P	24.6	25.0	1
307	77	P	24.6	21.7	4
308	77	P	24.6	23.9	6
309	78	P	23.1	23.1	0
310	78	P	23.1	20.9	1
311	78	P	23.1	21.7	4
312	78	P	23.1	19.9	6
313	79	A	21.1	21.1	0
314	79	A	21.1	5.6	1
315	79	A	21.1	7.3	4
316	79	A	21.1	12.3	6
317	80	P	25.8	25.8	0
318	80	P	25.8	21.9	1
319	80	P	25.8	23.6	4
320	80	P	25.8	24.8	6
321	81	P	30.0	30.0	0
322	81	P	30.0	27.6	1
323	81	P	30.0	24.0	4
324	81	P	30.0	23.7	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
325	82	A	22.1	22.1	0
326	82	A	22.1	21.0	1
327	82	A	22.1	8.6	4
328	82	A	22.1	24.6	6
329	83	P	20.0	20.0	0
330	83	P	20.0	22.7	1
331	83	P	20.0	21.2	4
332	83	P	20.0	20.5	6
333	84	P	38.1	38.1	0
334	84	P	38.1	40.8	1
335	84	P	38.1	38.0	4
336	84	P	38.1	32.7	6
337	85	A	28.9	28.9	0
338	85	A	28.9	12.5	1
339	85	A	28.9	16.7	4
340	85	A	28.9	22.2	6
341	86	P	25.1	25.1	0
342	86	P	25.1	28.1	1
343	86	P	25.1	27.5	4
344	86	P	25.1	24.8	6
345	87	A	19.8	19.8	0
346	87	A	19.8	11.6	1
347	87	A	19.8	13.0	4
348	87	A	19.8	23.1	6
349	88	P	22.1	22.1	0
350	88	P	22.1	21.1	1
351	88	P	22.1	21.5	4
352	88	P	22.1	20.6	6
353	89	A	23.5	23.5	0
354	89	A	23.5	7.9	1
355	89	A	23.5	12.4	4
356	89	A	23.5	18.9	6
357	90	A	29.1	29.1	0
358	90	A	29.1	16.8	1
359	90	A	29.1	15.1	4
360	90	A	29.1	18.8	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
361	91	A	30.3	30.3	0
362	91	A	30.3	3.5	1
363	91	A	30.3	3.0	4
364	91	A	30.3	11.5	6
365	92	P	25.4	25.4	0
366	92	P	25.4	24.3	1
367	92	P	25.4	22.7	4
368	92	P	25.4	20.1	6
369	93	A	30.6	30.6	0
370	93	A	30.6	28.2	1
371	93	A	30.6	27.0	4
372	93	A	30.6	25.5	6
373	94	A	22.4	22.4	0
374	94	A	22.4	7.1	1
375	94	A	22.4	17.2	4
376	94	A	22.4	18.7	6
377	95	A	31.2	31.2	0
378	95	A	31.2	10.8	1
379	95	A	31.2	19.8	4
380	95	A	31.2	22.2	6
381	96	A	31.4	31.4	0
382	96	A	31.4	3.9	1
383	96	A	31.4	7.0	4
384	96	A	31.4	17.8	6
385	97	A	41.1	41.1	0
386	97	A	41.1	15.1	1
387	97	A	41.1	10.9	4
388	97	A	41.1	27.1	6
389	98	A	29.4	29.4	0
390	98	A	29.4	22.1	1
391	98	A	29.4	25.3	4
392	98	A	29.4	4.1	6
393	99	A	21.9	21.9	0
394	99	A	21.9	7.6	1
395	99	A	21.9	10.8	4
396	99	A	21.9	13.0	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
397	100	A	20.7	20.7	0
398	100	A	20.7	8.1	1
399	100	A	20.7	25.7	4
400	100	A	20.7	12.3	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
1	1	P	30.8	30.8	0
2	1	P	30.8	26.9	1
3	1	P	30.8	25.8	4
4	1	P	30.8	23.8	6
5	2	A	26.5	26.5	0
6	2	A	26.5	14.8	1
7	2	A	26.5	19.5	4
8	2	A	26.5	21.0	6
9	3	A	25.8	25.8	0
10	3	A	25.8	23.0	1
11	3	A	25.8	19.1	4
12	3	A	25.8	23.2	6
13	4	P	24.7	24.7	0
14	4	P	24.7	24.5	1
15	4	P	24.7	22.0	4
16	4	P	24.7	22.5	6
17	5	A	20.4	20.4	0
18	5	A	20.4	2.8	1
19	5	A	20.4	3.2	4
20	5	A	20.4	9.4	6
21	6	A	20.4	20.4	0
22	6	A	20.4	5.4	1
23	6	A	20.4	4.5	4
24	6	A	20.4	11.9	6
25	7	P	28.6	28.6	0
26	7	P	28.6	20.8	1
27	7	P	28.6	19.2	4
28	7	P	28.6	18.4	6
29	8	P	33.7	33.7	0
30	8	P	33.7	31.6	1
31	8	P	33.7	28.5	4
32	8	P	33.7	25.1	6
33	9	P	19.7	19.7	0
34	9	P	19.7	14.9	1
35	9	P	19.7	15.3	4
36	9	P	19.7	14.7	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
37	10	P	31.1	31.1	0
38	10	P	31.1	31.2	1
39	10	P	31.1	29.2	4
40	10	P	31.1	30.1	6
41	11	P	19.8	19.8	0
42	11	P	19.8	17.5	1
43	11	P	19.8	20.5	4
44	11	P	19.8	27.5	6
45	12	A	24.8	24.8	0
46	12	A	24.8	23.1	1
47	12	A	24.8	24.6	4
48	12	A	24.8	30.9	6
49	13	P	21.4	21.4	0
50	13	P	21.4	26.3	1
51	13	P	21.4	19.5	4
52	13	P	21.4	19.0	6
53	14	A	27.9	27.9	0
54	14	A	27.9	6.3	1
55	14	A	27.9	18.5	4
56	14	A	27.9	16.3	6
57	15	P	21.1	21.1	0
58	15	P	21.1	20.3	1
59	15	P	21.1	18.4	4
60	15	P	21.1	20.8	6
61	16	P	20.6	20.6	0
62	16	P	20.6	23.9	1
63	16	P	20.6	19.0	4
64	16	P	20.6	17.0	6
65	17	P	24.0	24.0	0
66	17	P	24.0	16.7	1
67	17	P	24.0	21.7	4
68	17	P	24.0	20.3	6
69	18	P	37.6	37.6	0
70	18	P	37.6	33.7	1
71	18	P	37.6	34.4	4
72	18	P	37.6	31.4	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
73	19	A	35.3	35.3	0
74	19	A	35.3	25.5	1
75	19	A	35.3	26.3	4
76	19	A	35.3	30.3	6
77	20	A	28.6	28.6	0
78	20	A	28.6	15.8	1
79	20	A	28.6	22.9	4
80	20	A	28.6	25.9	6
81	21	P	31.9	31.9	0
82	21	P	31.9	27.9	1
83	21	P	31.9	27.3	4
84	21	P	31.9	34.2	6
85	22	A	29.6	29.6	0
86	22	A	29.6	15.8	1
87	22	A	29.6	23.7	4
88	22	A	29.6	23.4	6
89	23	A	21.5	21.5	0
90	23	A	21.5	6.5	1
91	23	A	21.5	7.1	4
92	23	A	21.5	16.0	6
93	24	P	26.2	26.2	0
94	24	P	26.2	26.8	1
95	24	P	26.2	25.3	4
96	24	P	26.2	24.8	6
97	25	A	21.8	21.8	0
98	25	A	21.8	12.0	1
99	25	A	21.8	16.8	4
100	25	A	21.8	19.2	6
101	26	A	23.0	23.0	0
102	26	A	23.0	4.2	1
103	26	A	23.0	4.0	4
104	26	A	23.0	16.2	6
105	27	A	22.2	22.2	0
106	27	A	22.2	11.5	1
107	27	A	22.2	9.5	4
108	27	A	22.2	14.5	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
109	28	P	20.5	20.5	0
110	28	P	20.5	21.1	1
111	28	P	20.5	17.4	4
112	28	P	20.5	21.1	6
113	29	A	25.0	25.0	0
114	29	A	25.0	3.9	1
115	29	A	25.0	12.8	4
116	29	A	25.0	12.7	6
117	30	P	33.3	33.3	0
118	30	P	33.3	26.2	1
119	30	P	33.3	34.0	4
120	30	P	33.3	28.2	6
121	31	A	26.0	26.0	0
122	31	A	26.0	21.4	1
123	31	A	26.0	21.0	4
124	31	A	26.0	22.4	6
125	32	A	19.7	19.7	0
126	32	A	19.7	13.2	1
127	32	A	19.7	14.6	4
128	32	A	19.7	11.6	6
129	33	P	27.9	27.9	0
130	33	P	27.9	21.6	1
131	33	P	27.9	23.6	4
132	33	P	27.9	27.7	6
133	34	P	24.7	24.7	0
134	34	P	24.7	21.2	1
135	34	P	24.7	22.9	4
136	34	P	24.7	21.9	6
137	35	P	28.8	28.8	0
138	35	P	28.8	26.4	1
139	35	P	28.8	23.8	4
140	35	P	28.8	22.0	6
141	36	A	29.6	29.6	0
142	36	A	29.6	17.5	1
143	36	A	29.6	21.0	4
144	36	A	29.6	24.2	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
145	37	P	32.0	32.0	0
146	37	P	32.0	30.2	1
147	37	P	32.0	30.2	4
148	37	P	32.0	27.5	6
149	38	P	21.8	21.8	0
150	38	P	21.8	19.3	1
151	38	P	21.8	16.4	4
152	38	P	21.8	17.6	6
153	39	A	24.4	24.4	0
154	39	A	24.4	16.4	1
155	39	A	24.4	11.6	4
156	39	A	24.4	16.6	6
157	40	A	33.7	33.7	0
158	40	A	33.7	14.9	1
159	40	A	33.7	14.5	4
160	40	A	33.7	63.9	6
161	41	P	24.9	24.9	0
162	41	P	24.9	20.9	1
163	41	P	24.9	22.2	4
164	41	P	24.9	19.8	6
165	42	P	19.8	19.8	0
166	42	P	19.8	18.9	1
167	42	P	19.8	18.9	4
168	42	P	19.8	15.5	6
169	43	A	26.7	26.7	0
170	43	A	26.7	6.4	1
171	43	A	26.7	5.1	4
172	43	A	26.7	15.1	6
173	44	A	26.8	26.8	0
174	44	A	26.8	20.4	1
175	44	A	26.8	19.3	4
176	44	A	26.8	23.8	6
177	45	A	20.2	20.2	0
178	45	A	20.2	10.6	1
179	45	A	20.2	9.0	4
180	45	A	20.2	16.0	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
181	46	P	35.4	35.4	0
182	46	P	35.4	30.4	1
183	46	P	35.4	26.5	4
184	46	P	35.4	28.1	6
185	47	P	25.3	25.3	0
186	47	P	25.3	23.9	1
187	47	P	25.3	22.2	4
188	47	P	25.3	27.2	6
189	48	A	20.2	20.2	0
190	48	A	20.2	17.5	1
191	48	A	20.2	17.4	4
192	48	A	20.2	18.6	6
193	49	A	24.5	24.5	0
194	49	A	24.5	10.0	1
195	49	A	24.5	15.6	4
196	49	A	24.5	15.2	6
197	50	P	20.3	20.3	0
198	50	P	20.3	21.0	1
199	50	P	20.3	16.7	4
200	50	P	20.3	13.5	6
201	51	P	20.4	20.4	0
202	51	P	20.4	17.2	1
203	51	P	20.4	15.9	4
204	51	P	20.4	17.7	6
205	52	P	24.1	24.1	0
206	52	P	24.1	20.1	1
207	52	P	24.1	17.9	4
208	52	P	24.1	18.7	6
209	53	A	27.1	27.1	0
210	53	A	27.1	14.9	1
211	53	A	27.1	18.1	4
212	53	A	27.1	21.3	6
213	54	A	34.7	34.7	0
214	54	A	34.7	39.0	1
215	54	A	34.7	28.8	4
216	54	A	34.7	34.7	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
217	55	P	28.5	28.5	0
218	55	P	28.5	32.6	1
219	55	P	28.5	27.5	4
220	55	P	28.5	22.8	6
221	56	P	26.6	26.6	0
222	56	P	26.6	22.4	1
223	56	P	26.6	21.8	4
224	56	P	26.6	21.0	6
225	57	A	24.5	24.5	0
226	57	A	24.5	5.1	1
227	57	A	24.5	8.2	4
228	57	A	24.5	23.6	6
229	58	P	20.5	20.5	0
230	58	P	20.5	17.5	1
231	58	P	20.5	19.6	4
232	58	P	20.5	18.4	6
233	59	P	25.2	25.2	0
234	59	P	25.2	25.1	1
235	59	P	25.2	23.4	4
236	59	P	25.2	22.2	6
237	60	P	34.7	34.7	0
238	60	P	34.7	39.5	1
239	60	P	34.7	38.6	4
240	60	P	34.7	43.3	6
241	61	P	30.3	30.3	0
242	61	P	30.3	29.4	1
243	61	P	30.3	33.1	4
244	61	P	30.3	28.4	6
245	62	P	26.6	26.6	0
246	62	P	26.6	25.3	1
247	62	P	26.6	25.1	4
248	62	P	26.6	27.9	6
249	63	P	20.7	20.7	0
250	63	P	20.7	19.3	1
251	63	P	20.7	21.9	4
252	63	P	20.7	21.8	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
253	64	A	27.7	27.7	0
254	64	A	27.7	4.0	1
255	64	A	27.7	4.2	4
256	64	A	27.7	11.7	6
257	65	A	24.3	24.3	0
258	65	A	24.3	24.3	1
259	65	A	24.3	18.4	4
260	65	A	24.3	27.8	6
261	66	A	36.6	36.6	0
262	66	A	36.6	23.3	1
263	66	A	36.6	40.4	4
264	66	A	36.6	39.3	6
265	67	P	28.9	28.9	0
266	67	P	28.9	28.9	1
267	67	P	28.9	32.8	4
268	67	P	28.9	31.8	6
269	68	A	34.0	34.0	0
270	68	A	34.0	10.7	1
271	68	A	34.0	12.6	4
272	68	A	34.0	21.2	6
273	69	A	32.6	32.6	0
274	69	A	32.6	19.0	1
275	69	A	32.6	16.3	4
276	69	A	32.6	18.6	6
277	70	A	29.2	29.2	0
278	70	A	29.2	9.2	1
279	70	A	29.2	8.3	4
280	70	A	29.2	18.4	6
281	71	A	26.4	26.4	0
282	71	A	26.4	15.3	1
283	71	A	26.4	24.6	4
284	71	A	26.4	32.4	6
285	72	A	21.8	21.8	0
286	72	A	21.8	10.6	1
287	72	A	21.8	14.4	4
288	72	A	21.8	18.7	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
289	73	P	27.2	27.2	0
290	73	P	27.2	28.5	1
291	73	P	27.2	35.0	4
292	73	P	27.2	30.5	6
293	74	P	22.4	22.4	0
294	74	P	22.4	22.0	1
295	74	P	22.4	19.1	4
296	74	P	22.4	18.7	6
297	75	P	32.5	32.5	0
298	75	P	32.5	25.1	1
299	75	P	32.5	27.8	4
300	75	P	32.5	27.3	6
301	76	P	24.9	24.9	0
302	76	P	24.9	23.6	1
303	76	P	24.9	21.2	4
304	76	P	24.9	21.1	6
305	77	P	24.6	24.6	0
306	77	P	24.6	25.0	1
307	77	P	24.6	21.7	4
308	77	P	24.6	23.9	6
309	78	P	23.1	23.1	0
310	78	P	23.1	20.9	1
311	78	P	23.1	21.7	4
312	78	P	23.1	19.9	6
313	79	A	21.1	21.1	0
314	79	A	21.1	5.6	1
315	79	A	21.1	7.3	4
316	79	A	21.1	12.3	6
317	80	P	25.8	25.8	0
318	80	P	25.8	21.9	1
319	80	P	25.8	23.6	4
320	80	P	25.8	24.8	6
321	81	P	30.0	30.0	0
322	81	P	30.0	27.6	1
323	81	P	30.0	24.0	4
324	81	P	30.0	23.7	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
325	82	A	22.1	22.1	0
326	82	A	22.1	21.0	1
327	82	A	22.1	8.6	4
328	82	A	22.1	24.6	6
329	83	P	20.0	20.0	0
330	83	P	20.0	22.7	1
331	83	P	20.0	21.2	4
332	83	P	20.0	20.5	6
333	84	P	38.1	38.1	0
334	84	P	38.1	40.8	1
335	84	P	38.1	38.0	4
336	84	P	38.1	32.7	6
337	85	A	28.9	28.9	0
338	85	A	28.9	12.5	1
339	85	A	28.9	16.7	4
340	85	A	28.9	22.2	6
341	86	P	25.1	25.1	0
342	86	P	25.1	28.1	1
343	86	P	25.1	27.5	4
344	86	P	25.1	24.8	6
345	87	A	19.8	19.8	0
346	87	A	19.8	11.6	1
347	87	A	19.8	13.0	4
348	87	A	19.8	23.1	6
349	88	P	22.1	22.1	0
350	88	P	22.1	21.1	1
351	88	P	22.1	21.5	4
352	88	P	22.1	20.6	6
353	89	A	23.5	23.5	0
354	89	A	23.5	7.9	1
355	89	A	23.5	12.4	4
356	89	A	23.5	18.9	6
357	90	A	29.1	29.1	0
358	90	A	29.1	16.8	1
359	90	A	29.1	15.1	4
360	90	A	29.1	18.8	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

Obs	id	group	baseline	y	time
361	91	A	30.3	30.3	0
362	91	A	30.3	3.5	1
363	91	A	30.3	3.0	4
364	91	A	30.3	11.5	6
365	92	P	25.4	25.4	0
366	92	P	25.4	24.3	1
367	92	P	25.4	22.7	4
368	92	P	25.4	20.1	6
369	93	A	30.6	30.6	0
370	93	A	30.6	28.2	1
371	93	A	30.6	27.0	4
372	93	A	30.6	25.5	6
373	94	A	22.4	22.4	0
374	94	A	22.4	7.1	1
375	94	A	22.4	17.2	4
376	94	A	22.4	18.7	6
377	95	A	31.2	31.2	0
378	95	A	31.2	10.8	1
379	95	A	31.2	19.8	4
380	95	A	31.2	22.2	6
381	96	A	31.4	31.4	0
382	96	A	31.4	3.9	1
383	96	A	31.4	7.0	4
384	96	A	31.4	17.8	6
385	97	A	41.1	41.1	0
386	97	A	41.1	15.1	1
387	97	A	41.1	10.9	4
388	97	A	41.1	27.1	6
389	98	A	29.4	29.4	0
390	98	A	29.4	22.1	1
391	98	A	29.4	25.3	4
392	98	A	29.4	4.1	6
393	99	A	21.9	21.9	0
394	99	A	21.9	7.6	1
395	99	A	21.9	10.8	4
396	99	A	21.9	13.0	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial 5. d = group | y1

Obs	id	group	baseline	y	time
397	100	A	20.7	20.7	0
398	100	A	20.7	8.1	1
399	100	A	20.7	25.7	4
400	100	A	20.7	12.3	6

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The Mixed Procedure

Model Information	
Data Set	WORK.A
Dependent Variable	y
Covariance Structure	Unstructured
Subject Effect	id
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Between-Within

Class Level Information		
Class	**Levels**	**Values**
id	100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
time	4	0 1 4 6

Dimensions	
Covariance Parameters	10
Columns in X	5
Columns in Z	0
Subjects	100
Max Obs per Subject	4

Number of Observations	
Number of Observations Read	400
Number of Observations Used	400
Number of Observations Not Used	0

Iteration History			
Iteration	**Evaluations**	**-2 Res Log Like**	**Criterion**
0	1	2739.35553058	
1	1	2498.97319531	0.00000000

Convergence criteria met.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The Mixed Procedure

Estimated R Matrix for id 1				
Row	Col1	Col2	Col3	Col4
1	24.9891	18.1607	18.9215	21.7822
2	18.1607	75.2249	59.2410	37.4869
3	18.9215	59.2410	65.3854	36.5424
4	21.7822	37.4869	36.5424	60.1590

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
UN(1,1)	id	24.9891
UN(2,1)	id	18.1607
UN(2,2)	id	75.2249
UN(3,1)	id	18.9215
UN(3,2)	id	59.2410
UN(3,3)	id	65.3854
UN(4,1)	id	21.7822
UN(4,2)	id	37.4869
UN(4,3)	id	36.5424
UN(4,4)	id	60.1590

Fit Statistics	
-2 Res Log Likelihood	2499.0
AIC (Smaller is Better)	2519.0
AICC (Smaller is Better)	2519.5
BIC (Smaller is Better)	2545.0

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
9	240.38	<.0001

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial 5. d = group | y1

The Mixed Procedure

Solution for Fixed Effects						
Effect	**time**	**Estimate**	**Standard Error**	**DF**	**t Value**	**Pr > |t|**
Intercept		22.2040	0.7756	99	28.63	<.0001
time	0	4.2020	0.6449	99	6.52	<.0001
time	1	-3.1130	0.7772	99	-4.01	0.0001
time	4	-2.4120	0.7243	99	-3.33	0.0012
time	6	0	.	.	.	.

Type 3 Tests of Fixed Effects						
Effect	**Num DF**	**Den DF**	**Chi-Square**	**F Value**	**Pr > ChiSq**	**Pr > F**
time	3	99	97.54	32.51	<.0001	<.0001

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The Mixed Procedure

Model Information	
Data Set	WORK.A
Dependent Variable	y
Covariance Structure	Unstructured
Subject Effect	id
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Between-Within

Class Level Information		
Class	**Levels**	**Values**
id	100	2 3 5 6 12 14 19 20 22 23 25 26 27 29 31 32 36 39 40 43 44 45 48 49 53 54 57 64 65 66 68 69 70 71 72 79 82 85 87 89 90 91 93 94 95 96 97 98 99 100 1 4 7 8 9 10 11 13 15 16 17 18 21 24 28 30 33 34 35 37 38 41 42 46 47 50 51 52 55 56 58 59 60 61 62 63 67 73 74 75 76 77 78 80 81 83 84 86 88 92
group	2	A P
time	4	6 4 1 0

Dimensions	
Covariance Parameters	10
Columns in X	15
Columns in Z	0
Subjects	100
Max Obs per Subject	4

Number of Observations	
Number of Observations Read	400
Number of Observations Used	400
Number of Observations Not Used	0

Iteration History			
Iteration	**Evaluations**	**-2 Res Log Like**	**Criterion**
0	1	2626.25517748	
1	1	2416.07594087	0.00000000

Convergence criteria met.

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial
5. d = group | y1

The Mixed Procedure

Estimated R Matrix for id 2				
Row	Col1	Col2	Col3	Col4
1	58.6510	30.6205	29.6750	22.2016
2	30.6205	47.3778	35.5351	19.6995
3	29.6750	35.5351	44.3458	19.1074
4	22.2016	19.6995	19.1074	25.2257

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
UN(1,1)	id	58.6510
UN(2,1)	id	30.6205
UN(2,2)	id	47.3778
UN(3,1)	id	29.6750
UN(3,2)	id	35.5351
UN(3,3)	id	44.3458
UN(4,1)	id	22.2016
UN(4,2)	id	19.6995
UN(4,3)	id	19.1074
UN(4,4)	id	25.2257

Fit Statistics	
-2 Res Log Likelihood	2416.1
AIC (Smaller is Better)	2436.1
AICC (Smaller is Better)	2436.7
BIC (Smaller is Better)	2462.1

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
9	210.18	<.0001

tlc32.sas Treatment of Lead Exposed Children (TLC) Trial 5. d = group | y1

The Mixed Procedure

Solution for Fixed Effects

Effect	group	time	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept			26.2720	0.7103	98	36.99	<.0001
group	A		0.2680	1.0045	98	0.27	0.7902
group	P		0	.	.	.	.
time		6	-2.6260	0.8885	98	-2.96	0.0039
time		4	-2.2020	0.8149	98	-2.70	0.0081
time		1	-1.6120	0.7919	98	-2.04	0.0445
time		0	0	.	.	.	.
group*time	A	6	-3.1520	1.2566	98	-2.51	0.0138
group*time	A	4	-8.8240	1.1525	98	-7.66	<.0001
group*time	A	1	-11.4060	1.1199	98	-10.18	<.0001
group*time	A	0	0	.	.	.	.
group*time	P	6	0	.	.	.	.
group*time	P	4	0	.	.	.	.
group*time	P	1	0	.	.	.	.
group*time	P	0	0	.	.	.	.

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	Chi-Square	F Value	Pr > ChiSq	Pr > F
group	1	98	25.43	25.43	<.0001	<.0001
time	3	98	184.48	61.49	<.0001	<.0001
group*time	3	98	107.79	35.93	<.0001	<.0001