

The GLIMMIX Procedure

Model Information	
Data Set	WORK.IMPORT6
Response Variable	CFR
Response Distribution	Beta
Link Function	Logit
Variance Function	Default
Variance Matrix Blocked By	location
Estimation Technique	Residual PL
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
location	140	Afghanistan Albania Algeria Angola Argentina Armenia Australia Austria Azerbaijan Bahrain Bangladesh Belarus Belgium Benin Bolivia Bosnia and Botswana Brazil Bulgaria Burkina Fas Cambodia Cameroon Canada Central Afr Chad Chile China Colombia Congo Costa Rica Cote d'Ivoi Croatia Democratic Denmark Dominican R Ecuador Egypt El Salvador Equatorial Estonia Ethiopia Finland France Gabon Gambia Georgia Germany Ghana Greece Guatemala Guinea Guinea-Biss Haiti Honduras Hungary India Indonesia Iran Iraq Ireland Israel Italy Jamaica Japan Jordan Kazakhstan Kenya Kuwait Kyrgyzstan Laos Latvia Lebanon Lesotho Liberia Libya Lithuania Madagascar Malawi Malaysia Mali Mauritania Mauritius Mexico Moldova Mongolia Morocco Mozambique Myanmar Namibia Nepal Netherlands New Zealand Nicaragua Niger Nigeria Norway Oman Pakistan Panama Papua New G Paraguay Peru Philippines Poland Portugal Qatar Romania Russia Rwanda Saudi Arabi Senegal Sierra Leon Singapore Slovakia Slovenia South Afric South Korea Spain Sri Lanka Sudan Sweden Switzerland Tajikistan Thailand Timor Togo Trinidad an Tunisia Turkey Uganda Ukraine United Arab United King United Stat Uruguay Uzbekistan Venezuela Vietnam Yemen Zimbabwe

Number of Observations Read	4681
Number of Observations Used	2944

Dimensions	
G-side Cov. Parameters	2
R-side Cov. Parameters	1
Columns in X	10
Columns in Z per Subject	2
Subjects (Blocks in V)	140
Max Obs per Subject	31

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	3
Lower Boundaries	3
Upper Boundaries	0
Fixed Effects	Profiled
Starting From	Data

Iteration History					
Iteration	Restarts	Subiterations	Objective Function	Change	Max Gradient
0	0	15	-5747.019111	1.99895846	0.001279
1	0	9	-5692.501485	0.01819873	0.000013
2	0	1	-5691.532416	0.00000406	0.000152
3	0	1	-5691.531469	0.00000000	0.000151

Convergence criterion (PCONV=1.11022E-8) satisfied.

Fit Statistics	
-2 Res Log Pseudo-Likelihood	-5691.53
Generalized Chi-Square	2934.91
Gener. Chi-Square / DF	1.00

Covariance Parameter Estimates			
Cov Parm	Subject	Estimate	Standard Error
Intercept	location	33.5896	4.2779
lw	location	1.6610	0.2071
Scale		15854	436.47

Solutions for Fixed Effects					
Effect	Estimate	Standard Error	DF	t Value	Pr >  t
Intercept	-4.3453	0.5199	134	-8.36	<.0001
Vaccinationph_c	0.4404	0.1146	2661	3.84	0.0001
lw	0.05921	0.1156	139	0.51	0.6094
Vaccinationph_c*lw	-0.09790	0.02541	2661	-3.85	0.0001
Age65Older22	1.1375	0.8035	2661	1.42	0.1570
PopulationDensity22	-0.2700	0.5689	2661	-0.47	0.6351
GDP2	-0.2391	0.7361	2661	-0.32	0.7454
GHSI2	-0.1405	0.7871	2661	-0.18	0.8583
WGI2	-0.1858	0.7361	2661	-0.25	0.8008
Obesity_rate22	0.4851	0.6120	2661	0.79	0.4281

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Vaccinationph_c	1	2661	14.75	0.0001

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
lw	1	139	0.26	0.6094
Vaccinationph_c*lw	1	2661	14.84	0.0001
Age65Older22	1	2661	2.00	0.1570
PopulationDensity22	1	2661	0.23	0.6351
GDP2	1	2661	0.11	0.7454
GHSI2	1	2661	0.03	0.8583
WGI2	1	2661	0.06	0.8008
Obesity_rate22	1	2661	0.63	0.4281