
Appendix P – Regression Model of BLL and Household Data

The tables in this appendix support the description of statistical findings in Section 5.0. The parameters included in this model were selected with the purpose of replicating the multivariate regression completed in 2009. Table 1-1 presents log normal results and Table 1-2 presents the results transformed to the Inverse log (base 10).

log normal

Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Pr > ChiSq
Intercept	1	-0.0505	0.0816	-0.2123	0.1113	0.5372
Gender (Male)	1	0.0821	0.0531	-0.0230	0.1873	0.1246
Age at interview	1	0.0004	0.0014	-0.0024	0.0032	0.7757
West Flin Flon	1	0.0967	0.0801	-0.0620	0.2555	0.2298
Creighton	1	-0.0085	0.0650	-0.1373	0.1204	0.8968
East Flin Flon/Channing	0					
Second hand tobacco	1	-0.0012	0.0613	-0.1228	0.1203	0.9838
Chew on toys and other objects	1	0.0431	0.0593	-0.0745	0.1606	0.4692
Average hours away from home	1	0.0092	0.0109	-0.0124	0.0308	0.4020
Pre 1946	1	0.1725	0.0801	0.0138	0.3313	0.0335
1946 to 1965	1	0.0416	0.0642	-0.0857	0.1688	0.5186
Apt Row House Trailer or Missing	1	0.0788	0.0804	-0.0806	0.2381	0.3294
Post 1965	0					

Inverse log (base 10)					
Parameter	Estimate	Standard Error	95% Confidence Limits		P-value
Intercept	0.8902	1.2067	0.6133	1.2920	0.5372
Gender (Male)	1.2081	1.1299	0.9483	1.5392	0.1246
Age at interview	1.0009	1.0032	0.9946	1.0073	0.7757
West Flin Flon	1.2495	1.2025	0.8669	1.8009	0.2298
Creighton	0.9807	1.1615	0.7289	1.3195	0.8968
East Flin Flon/Channing					
Second hand tobacco	0.9971	1.1517	0.7537	1.3192	0.9838
Chew on toys and other objects	1.1043	1.1463	0.8424	1.4475	0.4692
Average hours away from home	1.0213	1.0254	0.9718	1.0735	0.4020
Pre 1946	1.4877	1.2025	1.0322	2.1442	0.0335
1946 to 1965	1.1004	1.1592	0.8210	1.4749	0.5186
Apt Row House Trailer or Missing	1.1989	1.2034	0.8306	1.7304	0.3294
Post 1965					