

**Table 12.5b** Final Parameter Estimates for SEX, E\_BULLYING, HOPELESS12, and SUICIDE Log-Linear Analysis

Parameter Estimates <sup>a,b,c</sup>						
Parameter	Estimate	SE	Z	p	95% CI	
					Lower Bound	Upper Bound
Constant	5.070 <sup>d</sup>					
[E_BULLIED = .00]	.919	.074	12.488	.000	.775	1.063
[HOPELESS12 = .00]	-1.798	.110	-16.278	.000	-2.015	-1.582
[SEX = .00]	1.117	.075	14.924	.000	.970	1.264
[SUICIDE = .00]	-.219	.074	-2.974	.003	-.363	-.075
[E_BULLIED = .00]*[HOPELESS12 = .00]	1.101	.094	11.705	.000	.917	1.285
[SEX = .00]*[E_BULLIED = .00]	-.577	.080	-7.228	.000	-.733	-.420
[E_BULLIED = .00]*[SUICIDE = .00]	.909	.063	14.522	.000	.786	1.031
[SEX = .00]*[HOPELESS12 = .00]	-.123	.133	-.927	.354	-.384	.137
[HOPELESS12 = .00]*[SUICIDE = .00]	2.514	.088	28.716	.000	2.342	2.686
[SEX = .00]*[SUICIDE = .00]	-.223	.068	-3.269	.001	-.356	-.089
[SEX = .00]*[E_BULLIED = .00]*[HOPELESS12 = .00]	-.307	.111	-2.758	.006	-.525	-.089
[SEX = .00]*[HOPELESS12 = .00]*[SUICIDE = .00]	-.291	.114	-2.555	.011	-.514	-.068

<sup>a</sup>Model: multinomial.

<sup>b</sup>Design: constant + E\_BULLIED + HOPELESS12 + SEX + SUICIDE + E\_BULLIED\*HOPELESS12 + SEX\*E\_BULLIED + E\_BULLIED\*SUICIDE + SEX\*HOPELESS12 + HOPELESS12\*SUICIDE + SEX\*SUICIDE + SEX\*E\_BULLIED\*HOPELESS12 + SEX\*HOPELESS12\*SUICIDE.

<sup>c</sup>Redundant parameters were removed for ease of presentation.

<sup>d</sup>Constants are not parameters under the multinomial assumption. Therefore, their standard errors are not calculated.