

Table 5: Main results: Link between SIA exposure and child survival

<i>Dependent variable: Child survival</i>	Exposure decomposition	Total exposure
EXP_PREG_nod (date approximation)	-0.012 [-0.034, 0.010]	
EXP_CHI_nod (date approximation)	-0.019*** [-0.029, -0.009]	
EXP_TOT_nod (total exposure, date approximation)		-0.018*** [-0.027, -0.009]
Level 1 Observations (child)	52431	52431
Level 2 Observations (LGA)	689	689
<i>Akaike Information Criterion</i>	23684.534	23682.853
Prob. > χ^2	<0.001	<0.001

95% confidence intervals in brackets

* p < 0.10, ** p < 0.05, *** p < 0.01

Table 5a: Detailed results: Link between SIA exposure and child survival

Dependent variable: Child survival	Main results		
	Full model		Year-Interaction
	Exposure decomposition	Total exposure	Child survival (total exposure)
EXP_PREG_nod (date approximation)	-0.012 [-0.034, 0.010]		
EXP_CHI_nod (date approximation)	-0.019*** [-0.029, -0.009]		
EXP_TOT_nod (total exposure, date approximation)		-0.018*** [-0.027, -0.009]	-0.058 [-0.134, 0.019]
EXPxYR [yr = 2008]			0.031 [-0.044, 0.107]
EXPxYR [yr = 2013]			0.046 [-0.030, 0.121]
EXPxYR [yr = 2018]			0.031 [-0.045, 0.106]
CHI_AGE	-0.005 [-0.014, 0.005]	-0.005 [-0.014, 0.005]	-0.002 [-0.012, 0.008]
CHI_AGE2	0.000 [-0.000, 0.000]	0.000 [-0.000, 0.000]	0.000 [-0.000, 0.000]
CHI_ORD	-0.154*** [-0.176, -0.131]	-0.154*** [-0.176, -0.131]	-0.153*** [-0.176, -0.131]
CHI_SEX	0.213*** [0.141, 0.285]	0.213*** [0.141, 0.285]	0.213*** [0.141, 0.285]
MOT_ANC	-0.001 [-0.011, 0.009]	-0.001 [-0.011, 0.009]	-0.001 [-0.011, 0.009]
MOT_EDM	0.013 [-0.006, 0.032]	0.013 [-0.006, 0.032]	0.013 [-0.006, 0.032]
MOT_EDF	0.028*** [0.011, 0.045]	0.028*** [0.011, 0.045]	0.028*** [0.010, 0.045]
MOT_AGE	0.010** [0.002, 0.018]	0.010** [0.002, 0.018]	0.010** [0.001, 0.018]
HH_RUR	-0.182*** [-0.284, -0.079]	-0.181*** [-0.284, -0.079]	-0.184*** [-0.286, -0.081]
HH_REL (ref: Catholic): Other Christian	-0.137 [-0.303, 0.028]	-0.138 [-0.303, 0.028]	-0.136 [-0.302, 0.029]
HH_REL (ref: Catholic): Islam	-0.072 [-0.267, 0.123]	-0.070 [-0.265, 0.124]	-0.065 [-0.260, 0.130]
HH_REL (ref: Catholic): Traditionalist	-0.092 [-0.464, 0.280]	-0.091 [-0.463, 0.281]	-0.099 [-0.471, 0.273]
HH_REL (ref: Catholic): Other	0.584 [-0.590, 1.757]	0.581 [-0.592, 1.755]	0.558 [-0.616, 1.732]
HH_ETH (ref: Ekoi): Fulani	-0.182 [-0.808, 0.444]	-0.178 [-0.803, 0.448]	-0.118 [-0.745, 0.510]
HH_ETH (ref: Ekoi): Hausa	-0.502 [-1.120, 0.116]	-0.497 [-1.114, 0.121]	-0.436 [-1.056, 0.183]
HH_ETH (ref: Ekoi): Ibibio	-0.457 [-1.138, 0.225]	-0.458 [-1.140, 0.223]	-0.422 [-1.104, 0.259]
HH_ETH (ref: Ekoi): Igala	-0.390 [-1.102, 0.322]	-0.389 [-1.101, 0.323]	-0.357 [-1.070, 0.355]
HH_ETH (ref: Ekoi): Igbo	-0.500 [-1.109, 0.109]	-0.501 [-1.110, 0.108]	-0.471 [-1.081, 0.139]
HH_ETH (ref: Ekoi): Ijaw / Izon	-0.242 [-0.896, 0.413]	-0.243 [-0.898, 0.412]	-0.204 [-0.859, 0.451]
HH_ETH (ref: Ekoi): Kanuri / Beriberi	-0.269 [-0.928, 0.389]	-0.264 [-0.922, 0.395]	-0.189 [-0.850, 0.472]
HH_ETH (ref: Ekoi): Tiv	-0.362 [-1.013, 0.290]	-0.359 [-1.010, 0.293]	-0.312 [-0.964, 0.341]
HH_ETH (ref: Ekoi): Yoruba	-0.021 [-0.642, 0.601]	-0.021 [-0.643, 0.600]	0.011 [-0.611, 0.633]
HH_ETH (ref: Ekoi): Other	-0.354 [-0.959, 0.251]	-0.351 [-0.956, 0.254]	-0.298 [-0.905, 0.308]
HH_SIZ	0.132*** [0.117, 0.146]	0.132*** [0.117, 0.146]	0.132*** [0.118, 0.146]
HH_WEA	0.017* [-0.003, 0.037]	0.017 [-0.003, 0.037]	0.016 [-0.004, 0.036]
YEAR (ref: 2003): 2008	0.330*** [0.136, 0.524]	0.334*** [0.141, 0.528]	0.208 [-0.263, 0.680]
YEAR (ref: 2003): 2013	0.489*** [0.290, 0.689]	0.493*** [0.295, 0.692]	0.161 [-0.308, 0.629]
YEAR (ref: 2003): 2018	0.302*** [0.110, 0.494]	0.309*** [0.119, 0.500]	0.164 [-0.304, 0.633]
Constant	2.494*** [1.819, 3.169]	2.502*** [1.827, 3.177]	2.644*** [1.859, 3.428]
Multilevel variance parameter: Level 1	0.041*** [0.014, 0.068]	0.041*** [0.014, 0.068]	0.040*** [0.013, 0.067]
Level 1 Observations (child)	52431	52431	52431
Level 2 Observations (LGA)	689	689	689
Akaike Information Criterion	23684.534	23682.853	23676.199
Prob. > χ^2	<0.001	<0.001	<0.001

95% confidence intervals in brackets

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 5b: Robustness check (3-level models): Link between SIA exposure and child survival

Dependent variables: various indicators of maternal care and child survival (see right)	Main results		
	Full model		Year-Interaction
	Exposure decomposition	Total exposure	Child survival (total exposure)
EXP_PREG_nod (date approximation)	-0.013 [-0.035, 0.010]		
EXP_CHI_nod (date approximation)	-0.020*** [-0.031, -0.010]		
EXP_TOT_nod (total exposure, date approximation)		-0.019*** [-0.029, -0.009]	-0.062 [-0.140, 0.015]
EXPxYR [yr = 2008]			0.033 [-0.042, 0.109]
EXPxYR [yr = 2013]			0.048 [-0.027, 0.124]
EXPxYR [yr = 2018]			0.034 [-0.042, 0.110]
CHI_AGE	-0.004 [-0.014, 0.006]	-0.004 [-0.013, 0.006]	-0.001 [-0.011, 0.009]
CHI_AGE2	0.000 [-0.000, 0.000]	0.000 [-0.000, 0.000]	0.000 [-0.000, 0.000]
CHI_ORD	-0.154*** [-0.177, -0.132]	-0.154*** [-0.177, -0.132]	-0.154*** [-0.176, -0.131]
CHI_SEX	0.212*** [0.140, 0.284]	0.212*** [0.140, 0.284]	0.212*** [0.140, 0.284]
MOT_ANC	0.000 [-0.010, 0.010]	0.000 [-0.010, 0.010]	0.000 [-0.010, 0.010]
MOT_EDM	0.014 [-0.005, 0.033]	0.014 [-0.005, 0.033]	0.014 [-0.005, 0.033]
MOT_EDF	0.029*** [0.012, 0.046]	0.029*** [0.012, 0.046]	0.029*** [0.012, 0.046]
MOT_AGE	0.010** [0.002, 0.019]	0.010** [0.002, 0.019]	0.010** [0.002, 0.019]
HH_RUR	-0.176*** [-0.279, -0.073]	-0.176*** [-0.279, -0.073]	-0.178*** [-0.281, -0.075]
HH_REL (ref: Catholic): Other Christian	-0.128 [-0.296, 0.039]	-0.129 [-0.296, 0.038]	-0.127 [-0.295, 0.040]
HH_REL (ref: Catholic): Islam	-0.089 [-0.288, 0.109]	-0.088 [-0.286, 0.110]	-0.083 [-0.282, 0.115]
HH_REL (ref: Catholic): Traditionalist	-0.055 [-0.428, 0.319]	-0.054 [-0.428, 0.320]	-0.060 [-0.434, 0.314]
HH_REL (ref: Catholic): Other	0.639 [-0.535, 1.813]	0.636 [-0.538, 1.809]	0.613 [-0.561, 1.788]
HH_ETH (ref: Ekoi): Fulani	-0.001 [-0.665, 0.663]	0.003 [-0.662, 0.667]	0.071 [-0.595, 0.737]
HH_ETH (ref: Ekoi): Hausa	-0.349 [-1.006, 0.308]	-0.345 [-1.002, 0.312]	-0.276 [-0.935, 0.384]
HH_ETH (ref: Ekoi): Ibibio	-0.347 [-1.064, 0.370]	-0.349 [-1.066, 0.368]	-0.304 [-1.022, 0.415]
HH_ETH (ref: Ekoi): Igala	-0.203 [-0.969, 0.563]	-0.202 [-0.968, 0.564]	-0.153 [-0.921, 0.614]
HH_ETH (ref: Ekoi): Igbo	-0.353 [-1.010, 0.305]	-0.355 [-1.012, 0.303]	-0.316 [-0.975, 0.342]
HH_ETH (ref: Ekoi): Ijaw / Izon	-0.056 [-0.773, 0.660]	-0.058 [-0.775, 0.658]	-0.011 [-0.728, 0.707]
HH_ETH (ref: Ekoi): Kanuri / Beriberi	-0.230 [-0.925, 0.464]	-0.225 [-0.920, 0.469]	-0.146 [-0.843, 0.551]
HH_ETH (ref: Ekoi): Tiv	-0.200 [-0.911, 0.511]	-0.198 [-0.909, 0.513]	-0.142 [-0.855, 0.571]
HH_ETH (ref: Ekoi): Yoruba	0.047 [-0.616, 0.709]	0.046 [-0.617, 0.709]	0.087 [-0.577, 0.751]
HH_ETH (ref: Ekoi): Other	-0.217 [-0.861, 0.426]	-0.215 [-0.859, 0.428]	-0.153 [-0.798, 0.493]
HH_SIZ	0.132*** [0.118, 0.146]	0.132*** [0.118, 0.146]	0.133*** [0.118, 0.147]
HH_WEA	0.014 [-0.006, 0.035]	0.014 [-0.006, 0.034]	0.014 [-0.007, 0.034]
YEAR (ref: 2003): 2008	0.326*** [0.133, 0.519]	0.331*** [0.139, 0.523]	0.204 [-0.266, 0.674]
YEAR (ref: 2003): 2013	0.495*** [0.295, 0.694]	0.500*** [0.301, 0.699]	0.155 [-0.312, 0.623]
YEAR (ref: 2003): 2018	0.297*** [0.106, 0.488]	0.305*** [0.115, 0.494]	0.142 [-0.326, 0.611]
Constant	2.353*** [1.641, 3.065]	2.362*** [1.650, 3.074]	2.505*** [1.689, 3.322]
Multilevel variance parameter: Level 1	0.026** [0.005, 0.047]	0.026** [0.005, 0.047]	0.027** [0.005, 0.048]
Multilevel variance parameter: Level 2	0.020* [-0.004, 0.044]	0.020 [-0.004, 0.044]	0.019 [-0.005, 0.042]
Level 1 Observations (child)	52431	52431	52431
Level 2 Observations (LGA)	761	761	761
Level 3 Observations (state)	37	37	37
Akaike Information Criterion	23665.091	23663.461	23656.424
Prob. > χ^2	<0.001	<0.001	<0.001

95% confidence intervals in brackets

* p < 0.10, ** p < 0.05, *** p < 0.01