

Table 7: Detailed results: Link between SIA exposure and child/maternal health outcomes, stratified by region.

North Central	Non-polio full immunisation		Delivery			Antenatal care		Child survival	
	Full model	Interaction model (EXPxAGE)	At home	At private facility	At public facility	No. of antenatal care visits	No. of tetanus injections	Exposure decomposition	Total exposure
EXP_CHI	0.026 <sup>*</sup> [-0.004, 0.056]	0.054 <sup>**</sup> [0.009, 0.100]							
EXPxAGE		-0.001 <sup>**</sup> [-0.002, -0.000]							
EXP_PREG			0.003 [-0.036, 0.042]	-0.015 [-0.061, 0.031]	0.002 [-0.034, 0.038]	0.034 [-0.030, 0.097]	0.003 [-0.015, 0.021]		
EXP_PREG_nod (date approximation)								-0.019 [-0.076, 0.037]	
EXP_CHI_nod (date approximation)								0.030 <sup>*</sup> [-0.001, 0.061]	
EXP_TOT_nod (total exposure, date approximation)									0.018 [-0.008, 0.044]
CHI_AGE	0.056 <sup>***</sup> [0.025, 0.087]	0.017 <sup>**</sup> [0.001, 0.033]						-0.003 [-0.027, 0.022]	-0.005 [-0.029, 0.018]
CHI_AGE2	-0.001 <sup>***</sup> [-0.001, -0.000]							0.000	0.000
CHI_ORD	-0.035 [-0.088, 0.019]	-0.034 [-0.087, 0.019]						-0.157 <sup>***</sup> [-0.220, -0.095]	-0.158 <sup>***</sup> [-0.221, -0.095]
CHI_SEX	-0.077 [-0.230, 0.077]	-0.075 [-0.228, 0.079]						0.217 <sup>**</sup> [0.031, 0.404]	0.218 <sup>**</sup> [0.032, 0.405]
MOT_ANC	0.093 <sup>***</sup> [0.071, 0.115]	0.094 <sup>***</sup> [0.072, 0.115]	-0.161 <sup>***</sup> [-0.181, -0.142]	0.061 <sup>***</sup> [0.043, 0.080]	0.083 <sup>***</sup> [0.067, 0.100]			0.004	0.004
MOT_EDM	0.070 <sup>***</sup> [0.035, 0.104]	0.070 <sup>***</sup> [0.035, 0.104]	-0.057 <sup>***</sup> [-0.085, -0.029]	0.060 <sup>***</sup> [0.025, 0.096]	0.031 <sup>**</sup> [0.004, 0.059]	0.105 <sup>***</sup> [0.059, 0.151]	0.028 <sup>***</sup> [0.012, 0.043]	0.021	0.021
MOT_EDF	0.005 [-0.032, 0.042]	0.005 [-0.031, 0.042]	-0.024 [-0.053, 0.005]	0.029 [-0.008, 0.067]	0.023 [-0.005, 0.052]	0.053 <sup>***</sup> [0.016, 0.091]	0.008 [-0.008, 0.025]	0.010	0.010
MOT_AWE	2.554 <sup>***</sup> [2.315, 2.793]	2.547 <sup>***</sup> [2.309, 2.786]	-0.660 <sup>***</sup> [-0.809, -0.510]	-0.092 [-0.287, 0.102]	0.863 <sup>***</sup> [0.709, 1.018]	1.760 <sup>***</sup> [1.484, 2.035]	0.614 <sup>***</sup> [0.527, 0.701]		
MOT_AGE	0.016 <sup>*</sup> [-0.001, 0.034]	0.016 <sup>*</sup> [-0.001, 0.034]	0.005 [-0.005, 0.015]	-0.003 [-0.016, 0.009]	-0.003 [-0.013, 0.006]	0.026 <sup>***</sup> [0.010, 0.043]	0.004 [-0.002, 0.010]	0.010	0.010
HH_RUR	-0.035 [-0.257, 0.186]	-0.033 [-0.255, 0.188]	0.750 <sup>***</sup> [0.553, 0.946]	-0.405 <sup>***</sup> [-0.623, -0.187]	-0.425 <sup>***</sup> [-0.599, -0.251]	-0.559 <sup>**</sup> [-1.103, -0.014]	-0.096 <sup>*</sup> [-0.201, 0.009]	-0.079	-0.081
HH_REL (ref: Catholic): Other Christian	-0.105 [-0.373, 0.163]	-0.105 [-0.373, 0.163]	0.104 [-0.115, 0.324]	0.006 [-0.235, 0.246]	-0.106 [-0.316, 0.105]	0.160 [-0.217, 0.536]	0.037 [-0.096, 0.170]	0.164	0.165
HH_REL (ref: Catholic): Islam	-0.371 <sup>**</sup> [-0.674, -0.069]	-0.370 <sup>**</sup> [-0.673, -0.068]	0.095 [-0.160, 0.350]	0.000 [-0.289, 0.290]	-0.094 [-0.331, 0.143]	0.612 <sup>***</sup> [0.149, 1.074]	-0.069 [-0.232, 0.094]	0.118	0.117
HH_REL (ref: Catholic): Traditionalist	-0.719 [-1.837, 0.399]	-0.695 [-1.811, 0.421]	0.277 [-0.415, 0.969]	-0.011 [-0.861, 0.839]	-0.612 [-1.424, 0.201]	-0.985 <sup>***</sup> [-1.728, -0.243]	-0.625 <sup>***</sup> [-0.918, -0.331]	0.422	0.428
HH_REL (ref: Catholic): Other	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	-0.391 [-1.789, 1.007]	0.960 [-0.656, 2.575]	-0.172 [-1.783, 1.438]	-0.750 [-2.634, 1.134]	-0.409 [-1.097, 0.280]	0.022	0.015
HH_ETH (ref: Ekoi): Fulani	-0.085 [-0.632, 0.462]	-0.065 [-0.611, 0.481]	0.749 <sup>***</sup> [0.286, 1.212]	-1.294 <sup>***</sup> [-2.219, -0.368]	-0.500 <sup>**</sup> [-0.939, -0.061]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.364	0.370
HH_ETH (ref: Ekoi): Hausa	-0.492 <sup>**</sup> [-0.881, -0.104]	-0.489 <sup>**</sup> [-0.877, -0.101]	0.854 <sup>***</sup> [0.538, 1.170]	-0.647 <sup>***</sup> [-1.117, -0.177]	-0.546 <sup>***</sup> [-0.850, -0.243]	0.657 <sup>*</sup> [-0.026, 1.340]	0.305 <sup>**</sup> [0.031, 0.580]	0.079	0.078
HH_ETH (ref: Ekoi): Ibibio	-0.624 [-2.729, 1.481]	-0.628 [-2.732, 1.477]	-0.658 [-2.862, 1.546]	0.903 [-0.485, 2.291]	-0.511 [-1.878, 0.856]	1.908 <sup>***</sup> [0.643, 3.172]	0.364 [-0.234, 0.962]	0.000	0.000
HH_ETH (ref: Ekoi): Igala	-0.139 [-0.531, 0.253]	-0.141 [-0.533, 0.251]	-0.579 <sup>***</sup> [-0.962, -0.195]	0.276 [-0.102, 0.653]	0.418 <sup>***</sup> [0.102, 0.733]	1.477 <sup>***</sup> [0.605, 2.349]	0.848 <sup>***</sup> [0.551, 1.145]	0.019	0.015
HH_ETH (ref: Ekoi): Igbo	-0.163 [-0.689, 0.364]	-0.151 [-0.677, 0.374]	-1.009 <sup>***</sup> [-1.546, -0.471]	0.672 <sup>***</sup> [0.274, 1.069]	0.025 [-0.341, 0.391]	1.672 <sup>***</sup> [0.809, 2.535]	0.249 <sup>*</sup> [-0.043, 0.541]	0.217	0.214
HH_ETH (ref: Ekoi): Ijaw / Izon	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	-1.779 [-4.231, 0.674]	0.427 <sup>**</sup> [0.080, 0.774]	0.000	0.000
HH_ETH (ref: Ekoi): Kanuri / Beriberi	-0.722 [-2.342, 0.898]	-0.707 [-2.327, 0.913]	0.647 [-0.406, 1.701]	0.100 [-1.070, 1.270]	-0.611 [-1.666, 0.444]	2.708 <sup>**</sup> [0.535, 4.880]	0.213 [-0.284, 0.710]	-0.902 <sup>*</sup> [-1.967, 0.162]	-0.888 [-1.952, 0.176]
HH_ETH (ref: Ekoi): Tiv	-0.116 [-0.491, 0.260]	-0.118 [-0.493, 0.257]	-0.808 <sup>***</sup> [-1.135, -0.481]	0.945 <sup>***</sup> [0.578, 1.312]	0.095 [-0.207, 0.398]	0.824 <sup>**</sup> [0.013, 1.635]	0.218 <sup>*</sup> [-0.009, 0.445]	0.088	0.084
HH_ETH (ref: Ekoi): Yoruba	0.183 [-0.145, 0.511]	0.191 [-0.137, 0.518]	-0.267 [-0.587, 0.052]	0.600 <sup>***</sup> [0.297, 0.904]	-0.310 <sup>**</sup> [-0.568, -0.051]	2.871 <sup>***</sup> [2.117, 3.624]	0.472 <sup>***</sup> [0.214, 0.731]	0.301	0.305
HH_ETH (ref: Ekoi): Other	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	1.335 <sup>***</sup> [0.666, 2.004]	0.516 <sup>***</sup> [0.319, 0.713]	0.000	0.000
HH_SIZ	-0.012 [-0.037, 0.014]	-0.012 [-0.038, 0.013]	0.007 [-0.012, 0.025]	0.003 [-0.020, 0.027]	-0.007 [-0.026, 0.011]	-0.067 <sup>***</sup> [-0.098, -0.036]	-0.014 <sup>***</sup> [-0.022, -0.005]	0.113 <sup>***</sup> [0.076, 0.149]	0.113 <sup>***</sup> [0.076, 0.150]
	0.150 <sup>***</sup>	0.149 <sup>***</sup>	-0.182 <sup>***</sup>	0.088 <sup>***</sup>	0.116 <sup>***</sup>	0.304 <sup>***</sup>	0.055 <sup>***</sup>	0.015	0.015

HH_WEA	[0.107, 0.193]	[0.106, 0.192]	[-0.218, -0.146]	[0.046, 0.129]	[0.082, 0.149]	[0.225, 0.384]	[0.032, 0.078]	[-0.035, 0.065]	[-0.036, 0.065]
	0.988***	0.989***	-0.331*	-0.344*	0.562***	-1.690***	-0.205	0.183	0.170
YEAR (ref: 2003): 2008	[0.475, 1.501]	[0.474, 1.504]	[-0.691, 0.029]	[-0.742, 0.053]	[0.209, 0.915]	[-2.851, -0.529]	[-0.486, 0.077]	[-0.301, 0.667]	[-0.314, 0.653]
	0.818***	0.837***	-0.433**	-0.216	0.537***	-1.049*	-0.120	0.412	0.406
YEAR (ref: 2003): 2013	[0.311, 1.326]	[0.328, 1.345]	[-0.792, -0.075]	[-0.607, 0.175]	[0.189, 0.886]	[-2.289, 0.191]	[-0.393, 0.153]	[-0.093, 0.917]	[-0.098, 0.911]
	1.134***	1.183***	-0.775***	-0.072	0.787***	-2.272***	-0.304**	0.398	0.376
YEAR (ref: 2003): 2018	[0.609, 1.659]	[0.660, 1.707]	[-1.150, -0.400]	[-0.488, 0.343]	[0.421, 1.153]	[-3.442, -1.101]	[-0.579, -0.030]	[-0.090, 0.886]	[-0.111, 0.863]
	-5.527***	-5.158***	1.901***	-2.371***	-2.459***	1.800***	0.579***	1.877***	1.829***
Constant	[-6.348, -4.707]	[-5.930, -4.386]	[1.358, 2.444]	[-3.004, -1.737]	[-2.986, -1.932]	[0.559, 3.042]	[0.175, 0.983]	[1.097, 2.657]	[1.053, 2.606]
	0.172***	0.172***	0.338***	0.410***	0.186***	0.030	-1.683***	0.000	0.000
Multilevel variance parameter: Level 1	[0.066, 0.279]	[0.066, 0.278]	[0.185, 0.490]	[0.193, 0.628]	[0.090, 0.283]	[-0.159, 0.219]	[-2.031, -1.334]	[-0.000, 0.000]	[-0.000, 0.000]
Multilevel variance parameter: Residual						1.263*** [1.193, 1.333]	0.254*** [0.199, 0.309]		
Observations (Level 2)	4342	4342	6071	6071	6071	6103	6293	9028	9028
Observations (Level 1)	113	113	113	113	113	113	113	113	113
Akaike Information Criterion	4152.478	4159.676	6199.652	4691.431	6657.883	32962.923	21185.627	3710.053	3710.113
Prob. > $\chi^2$	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

North East	Non-polio full immunisation		Delivery			Antenatal care		Child survival	
	Full model	Interaction model (EXPxAGE)	At home	At private facility	At public facility	No. of antenatal care visits	No. of tetanus injections	Exposure decomposition	Total exposure
EXP_CHI	-0.074*** [-0.106, -0.042]	-0.058** [-0.104, -0.013]							
EXPxAGE		0.000 [-0.001, 0.001]							
EXP_PREG			-0.025 [-0.067, 0.017]	0.024 [-0.103, 0.151]	0.018 [-0.024, 0.060]	0.015 [-0.026, 0.055]	0.001 [-0.017, 0.019]		
EXP_PREG_nod (date approximation)								0.019 [-0.022, 0.060]	
EXP_CHI_nod (date approximation)								0.005 [-0.020, 0.029]	
EXP_TOT_nod (total exposure, date approximation)									0.008 [-0.013, 0.030]
CHI_AGE	0.085*** [0.043, 0.128]	0.054*** [0.032, 0.077]						-0.014 [-0.035, 0.008]	-0.014 [-0.035, 0.007]
CHI_AGE2	-0.001* [-0.001, 0.000]							0.000 [-0.000, 0.000]	0.000 [-0.000, 0.000]
CHI_ORD	-0.072** [-0.135, -0.010]	-0.073** [-0.136, -0.011]						-0.139*** [-0.186, -0.093]	-0.139*** [-0.186, -0.093]
CHI_SEX	0.026 [-0.163, 0.215]	0.024 [-0.165, 0.213]						0.271*** [0.121, 0.421]	0.271*** [0.121, 0.420]
MOT_ANC	0.144*** [0.109, 0.179]	0.144*** [0.109, 0.179]	-0.218*** [-0.244, -0.192]	0.134*** [0.069, 0.200]	0.203*** [0.178, 0.229]			0.003 [-0.026, 0.031]	0.003 [-0.026, 0.031]
MOT_EDM	0.072*** [0.030, 0.115]	0.071*** [0.029, 0.114]	-0.083*** [-0.114, -0.051]	0.120*** [0.030, 0.210]	0.072*** [0.040, 0.104]	0.092*** [0.054, 0.130]	0.030*** [0.016, 0.044]	-0.009 [-0.050, 0.031]	-0.009 [-0.049, 0.031]
MOT_EDF	0.006 [-0.036, 0.048]	0.006 [-0.036, 0.047]	-0.028* [-0.059, 0.003]	0.020 [-0.072, 0.112]	0.031* [-0.000, 0.062]	0.104*** [0.071, 0.137]	0.029*** [0.013, 0.044]	0.038** [0.002, 0.074]	0.038** [0.003, 0.074]
MOT_AWE	2.870*** [2.563, 3.177]	2.872*** [2.565, 3.179]	-0.834*** [-0.998, -0.669]	0.801*** [0.290, 1.311]	0.806*** [0.640, 0.973]	1.847*** [1.626, 2.068]	0.740*** [0.663, 0.818]		
MOT_AGE	0.031*** [0.008, 0.055]	0.031*** [0.007, 0.055]	0.007 [-0.004, 0.019]	0.012 [-0.021, 0.046]	-0.009 [-0.021, 0.003]	0.001 [-0.009, 0.010]	0.000 [-0.003, 0.004]	0.008 [-0.010, 0.026]	0.008 [-0.010, 0.026]
HH_RUR	-0.159 [-0.433, 0.115]	-0.161 [-0.435, 0.114]	0.601*** [0.388, 0.814]	0.123 [-0.501, 0.748]	-0.609*** [-0.817, -0.400]	-0.671*** [-1.014, -0.328]	-0.312*** [-0.443, -0.182]	-0.191 [-0.432, 0.050]	-0.190 [-0.430, 0.051]
HH_REL (ref: Catholic): Other Christian	-0.546 [-1.203, 0.112]	-0.558* [-1.214, 0.098]	-0.366 [-0.866, 0.133]	0.534 [-0.444, 1.512]	0.338 [-0.160, 0.836]	0.285 [-0.279, 0.848]	0.114 [-0.088, 0.315]	-0.898** [-1.663, -0.132]	-0.895** [-1.661, -0.129]
HH_REL (ref: Catholic): Islam	-1.072*** [-1.741, -0.402]	-1.088*** [-1.756, -0.420]	-0.018 [-0.531, 0.495]	0.105 [-0.941, 1.151]	0.051 [-0.460, 0.562]	0.073 [-0.518, 0.663]	0.050 [-0.159, 0.260]	-0.776** [-1.548, -0.004]	-0.772** [-1.544, -0.000]
HH_REL (ref: Catholic): Traditionalist	-1.618** [-3.129, -0.107]	-1.630** [-3.136, -0.124]	0.789 [-0.463, 2.042]	0.000 [0.000, 0.000]	-0.609 [-1.842, 0.624]	-0.676* [-1.376, 0.024]	-0.263 [-0.583, 0.056]	-0.562 [-1.751, 0.628]	-0.560 [-1.749, 0.629]
HH_REL (ref: Catholic): Other	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	-2.056*** [-2.585, -1.526]	-0.787*** [-0.978, -0.596]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Fulani	-0.057 [-0.358, 0.245]	-0.065 [-0.366, 0.236]	-0.039 [-0.265, 0.188]	0.172 [-0.518, 0.861]	0.026 [-0.201, 0.253]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.172 [-0.049, 0.393]	0.172 [-0.049, 0.393]
HH_ETH (ref: Ekoi): Hausa	-0.078 [-0.382, 0.226]	-0.082 [-0.387, 0.222]	0.209* [-0.019, 0.438]	-0.302 [-1.060, 0.455]	-0.168 [-0.396, 0.059]	0.552*** [0.197, 0.907]	0.128** [0.025, 0.231]	0.005 [-0.224, 0.234]	0.004 [-0.224, 0.233]
HH_ETH (ref: Ekoi): Ibibio	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	-1.698*** [-2.025, -1.371]	-0.297*** [-0.447, -0.146]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Igala	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	-0.981 [-3.004, 1.041]	2.001 [-1.253, 5.254]	0.221 [-1.710, 2.152]	0.707 [-1.352, 2.765]	0.077 [-0.733, 0.888]	-1.173 [-3.300, 0.954]	-1.184 [-3.311, 0.943]
HH_ETH (ref: Ekoi): Igbo	0.487 [-1.189, 2.162]	0.501 [-1.172, 2.174]	0.000 [0.000, 0.000]	1.367** [0.048, 2.687]	0.292 [-0.831, 1.415]	3.466*** [1.887, 5.045]	0.444** [0.091, 0.796]	-0.922 [-2.188, 0.343]	-0.925 [-2.191, 0.341]
HH_ETH (ref: Ekoi): Ijaw / Izon									
HH_ETH (ref: Ekoi): Kanuri / Beriberi	-0.220 [-0.684, 0.245]	-0.218 [-0.683, 0.246]	0.454*** [0.124, 0.784]	-0.625 [-1.938, 0.688]	-0.405** [-0.732, -0.078]	-0.059 [-0.373, 0.255]	-0.021 [-0.149, 0.107]	0.121 [-0.183, 0.425]	0.123 [-0.181, 0.426]
HH_ETH (ref: Ekoi): Tiv	-0.200 [-1.146, 0.746]	-0.236 [-1.182, 0.710]	-1.446*** [-2.017, -0.874]	-0.044 [-1.268, 1.180]	1.613*** [1.035, 2.191]	-0.345 [-1.423, 0.733]	-0.123 [-0.585, 0.340]	0.065 [-0.716, 0.847]	0.069 [-0.712, 0.851]
HH_ETH (ref: Ekoi): Yoruba	0.351 [-1.116, 1.818]	0.367 [-1.095, 1.829]	-0.990 [-2.250, 0.270]	1.845** [0.224, 3.467]	0.112 [-1.022, 1.245]	0.855 [-1.072, 2.783]	0.000 [-0.583, 0.584]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]

HH_ETH (ref: Ekoi): Other	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.415*** [0.151, 0.679]	0.191*** [0.085, 0.298]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_SIZ	-0.022* [-0.047, 0.003]	-0.021* [-0.047, 0.004]	0.032*** [0.013, 0.051]	-0.032 [-0.090, 0.027]	-0.028*** [-0.046, -0.009]	-0.015* [-0.033, 0.002]	-0.007 [-0.016, 0.002]	0.096*** [0.071, 0.121]	0.096*** [0.071, 0.121]
HH_WEA	0.103*** [0.050, 0.157]	0.103*** [0.049, 0.156]	-0.237*** [-0.279, -0.196]	0.040 [-0.073, 0.154]	0.230*** [0.188, 0.271]	0.240*** [0.185, 0.295]	0.071*** [0.051, 0.091]	0.033 [-0.015, 0.081]	0.033 [-0.015, 0.081]
YEAR (ref: 2003): 2008	0.788* [-0.031, 1.608]	0.799* [-0.024, 1.622]	0.726*** [0.299, 1.153]	-1.900*** [-2.812, -0.988]	-0.354 [-0.790, 0.083]	0.217 [-0.214, 0.649]	0.109 [-0.068, 0.286]	0.097 [-0.318, 0.512]	0.108 [-0.305, 0.521]
YEAR (ref: 2003): 2013	1.338*** [0.525, 2.151]	1.358*** [0.542, 2.174]	0.396* [-0.026, 0.818]	-1.756*** [-2.679, -0.833]	-0.054 [-0.484, 0.377]	0.217 [-0.198, 0.632]	0.224** [0.026, 0.421]	0.184 [-0.247, 0.615]	0.193 [-0.237, 0.623]
YEAR (ref: 2003): 2018	1.692*** [0.865, 2.518]	1.741*** [0.915, 2.568]	0.091 [-0.352, 0.534]	-1.457*** [-2.441, -0.473]	0.258 [-0.195, 0.711]	-0.034 [-0.467, 0.400]	0.308*** [0.110, 0.505]	0.115 [-0.303, 0.532]	0.138 [-0.273, 0.548]
Constant	-5.962*** [-7.134, -4.790]	-5.653*** [-6.771, -4.535]	2.646*** [1.930, 3.362]	-5.294*** [-7.033, -3.555]	-2.948*** [-3.666, -2.230]	1.088*** [0.398, 1.778]	0.410*** [0.106, 0.714]	3.024*** [2.074, 3.974]	3.046*** [2.099, 3.993]
Multilevel variance parameter: Level 1	0.158** [0.037, 0.278]	0.163*** [0.040, 0.286]	0.317*** [0.160, 0.475]	1.656*** [0.508, 2.804]	0.237*** [0.100, 0.374]	-0.479*** [-0.643, -0.316]	-1.597*** [-1.924, -1.270]	0.053* [-0.007, 0.113]	0.052* [-0.008, 0.112]
Multilevel variance parameter: Residual						0.924*** [0.864, 0.985]	0.079*** [0.035, 0.123]		
Observations (Level 2)	5017	5017	7350	7304	7370	7387	7479	11269	11269
Observations (Level 1)	100	100	100	100	100	100	100	101	101
Akaike Information Criterion	2854.824	2857.651	5075.901	966.734	5023.467	34819.738	22572.587	5492.777	5491.124
Prob. > $\chi^2$	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

North West	Non-polio full immunisation		Delivery			Antenatal care		Child survival	
	Full model	Interaction model (EXPxAGE)	At home	At private facility	At public facility	No. of antenatal care visits	No. of tetanus injections	Exposure decomposition	Total exposure
EXP_CHI	-0.076** [-0.151, -0.002]	-0.034 [-0.110, 0.042]							
EXPxAGE		-0.001* [-0.002, 0.000]							
EXP_PREG			-0.015 [-0.067, 0.037]	-0.059 [-0.197, 0.080]	0.025 [-0.028, 0.078]	0.025 [-0.005, 0.055]	0.002 [-0.013, 0.017]		
EXP_PREG_nod (date approximation)								-0.008 [-0.051, 0.035]	
EXP_CHI_nod (date approximation)								0.025 [-0.011, 0.060]	
EXP_TOT_nod (total exposure, date approximation)									0.013 [-0.019, 0.045]
CHI_AGE	0.105*** [0.038, 0.172]	0.065*** [0.017, 0.114]						-0.047*** [-0.072, -0.021]	-0.043*** [-0.068, -0.018]
CHI_AGE2	-0.001** [-0.001, -0.000]							0.000* [-0.000, 0.001]	0.000** [0.000, 0.001]
CHI_ORD	-0.063* [-0.129, 0.002]	-0.063* [-0.129, 0.002]						-0.162*** [-0.200, -0.124]	-0.162*** [-0.200, -0.124]
CHI_SEX	0.045 [-0.154, 0.245]	0.045 [-0.154, 0.245]						0.126** [0.010, 0.241]	0.125** [0.010, 0.241]
MOT_ANC	0.063*** [0.026, 0.099]	0.063*** [0.027, 0.099]	-0.203*** [-0.228, -0.178]	0.221*** [0.147, 0.296]	0.188*** [0.162, 0.213]			0.015 [-0.009, 0.040]	0.015 [-0.009, 0.040]
MOT_EDM	0.068*** [0.021, 0.114]	0.067*** [0.021, 0.114]	-0.058*** [-0.091, -0.025]	0.011 [-0.099, 0.120]	0.062*** [0.028, 0.095]	0.127*** [0.091, 0.163]	0.036*** [0.024, 0.049]	0.013 [-0.021, 0.048]	0.013 [-0.021, 0.048]
MOT_EDF	0.029 [-0.013, 0.071]	0.029 [-0.013, 0.071]	-0.007 [-0.039, 0.024]	-0.043 [-0.158, 0.071]	0.017 [-0.015, 0.048]	0.106*** [0.083, 0.128]	0.034*** [0.026, 0.043]	0.043*** [0.016, 0.070]	0.043*** [0.015, 0.070]
MOT_AWE	3.547*** [3.265, 3.828]	3.543*** [3.262, 3.824]	-0.696*** [-0.864, -0.528]	0.676** [0.030, 1.323]	0.688*** [0.517, 0.858]	1.471*** [1.270, 1.673]	0.505*** [0.428, 0.582]		
MOT_AGE	0.037*** [0.012, 0.062]	0.037*** [0.012, 0.062]	0.007 [-0.004, 0.019]	0.003 [-0.036, 0.043]	-0.009 [-0.021, 0.003]	0.004 [-0.003, 0.011]	-0.002* [-0.005, 0.000]	0.029*** [0.014, 0.044]	0.029*** [0.014, 0.044]
HH_RUR	-0.099 [-0.415, 0.218]	-0.101 [-0.417, 0.215]	0.777*** [0.572, 0.982]	-0.793** [-1.465, -0.120]	-0.765*** [-0.975, -0.555]	-0.776*** [-1.122, -0.429]	-0.260*** [-0.382, -0.139]	-0.131 [-0.317, 0.055]	-0.133 [-0.319, 0.054]
HH_REL (ref: Catholic): Other Christian	0.451 [-0.256, 1.157]	0.441 [-0.266, 1.147]	-0.394 [-0.948, 0.160]	-0.061 [-0.966, 0.845]	0.411 [-0.133, 0.955]	0.504 [-0.148, 1.156]	0.005 [-0.186, 0.195]	0.183 [-0.565, 0.930]	0.180 [-0.567, 0.927]
HH_REL (ref: Catholic): Islam	-0.326 [-1.138, 0.487]	-0.332 [-1.144, 0.479]	0.722** [0.116, 1.327]	-1.716*** [-2.973, -0.459]	-0.383 [-0.989, 0.224]	-0.201 [-0.859, 0.457]	-0.190 [-0.421, 0.041]	0.150 [-0.549, 0.850]	0.145 [-0.554, 0.844]
HH_REL (ref: Catholic): Traditionalist	-0.677 [-2.263, 0.910]	-0.669 [-2.251, 0.913]	0.942 [-0.244, 2.127]	0.236 [-2.038, 2.511]	-0.913 [-2.224, 0.398]	-0.536 [-1.263, 0.192]	-0.253** [-0.496, -0.010]	0.132 [-0.787, 1.050]	0.131 [-0.787, 1.049]
HH_REL (ref: Catholic): Other	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	1.210 [-0.710, 3.129]	-0.414*** [-0.636, -0.192]	-1.208 [-3.688, 1.271]	-1.195 [-3.677, 1.286]
HH_ETH (ref: Ekoi): Fulani	0.087 [-0.590, 0.763]	0.089 [-0.587, 0.766]	0.537** [0.041, 1.032]	-0.375 [-1.834, 1.084]	-0.552** [-1.053, -0.050]	0.389*** [0.232, 0.546]	0.208*** [0.138, 0.278]	2.211 [-0.597, 5.018]	2.191 [-0.615, 4.996]
HH_ETH (ref: Ekoi): Hausa	0.339 [-0.180, 0.859]	0.338 [-0.181, 0.857]	0.474** [0.096, 0.851]	-0.792 [-1.816, 0.233]	-0.401** [-0.782, -0.021]	0.735*** [0.581, 0.889]	0.333*** [0.272, 0.394]	1.858 [-0.943, 4.659]	1.841 [-0.959, 4.641]
HH_ETH (ref: Ekoi): Ibibio	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.980*** [0.667, 1.292]	-0.492 [-2.642, 1.658]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Igala	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	3.909*** [3.548, 4.269]	2.169*** [2.042, 2.296]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Igbo	0.216 [-0.866, 1.298]	0.209 [-0.872, 1.290]	-1.134* [-2.357, 0.088]	-0.479 [-1.729, 0.772]	0.412 [-0.482, 1.306]	1.275** [0.105, 2.444]	0.422*** [0.130, 0.714]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Ijaw / Izon									
HH_ETH (ref: Ekoi): Kanuri / Beriberi	0.626 [-0.630, 1.882]	0.641 [-0.614, 1.895]	1.715** [0.170, 3.259]	0.000 [0.000, 0.000]	-1.428* [-2.963, 0.107]	1.051*** [0.453, 1.649]	0.828*** [0.349, 1.307]	2.261 [-0.649, 5.170]	2.241 [-0.667, 5.149]
HH_ETH (ref: Ekoi): Tiv	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	1.472 [-1.265, 4.208]	0.197 [-2.515, 2.909]	0.694 [-0.510, 1.898]	-0.069 [-0.478, 0.339]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Yoruba	0.609 [-0.739, 1.958]	0.610 [-0.736, 1.957]	-0.492 [-1.475, 0.491]	0.489 [-0.939, 1.918]	0.230 [-0.676, 1.136]	0.606 [-0.445, 1.656]	0.475*** [0.162, 0.787]	2.118 [-1.034, 5.270]	2.107 [-1.043, 5.258]
	0.000	0.000	0.000	0.000	0.000	0.760***	0.386***	2.275	2.257

HH_ETH (ref: Ekoi): Other	[0.000, 0.000]	[0.000, 0.000]	[0.000, 0.000]	[0.000, 0.000]	[0.000, 0.000]	[0.412, 1.107]	[0.256, 0.516]	[-0.546, 5.096]	[-0.563, 5.076]
	-0.009	-0.009	0.044***	-0.012	-0.038***	-0.016*	-0.006*	0.122***	0.122***
HH_SIZ	[-0.037, 0.020]	[-0.037, 0.020]	[0.022, 0.065]	[-0.081, 0.058]	[-0.060, -0.017]	[-0.033, 0.001]	[-0.013, 0.001]	[0.101, 0.143]	[0.101, 0.143]
	0.133***	0.133***	-0.203***	0.286***	0.170***	0.221***	0.063***	-0.005	-0.005
HH_WEA	[0.080, 0.186]	[0.080, 0.186]	[-0.243, -0.163]	[0.166, 0.405]	[0.130, 0.209]	[0.183, 0.259]	[0.048, 0.079]	[-0.042, 0.031]	[-0.042, 0.031]
	1.387***	1.287***	0.109	-0.886*	0.023	-0.710***	-0.120*	0.276	0.270
YEAR (ref: 2003): 2008	[0.505, 2.270]	[0.402, 2.172]	[-0.313, 0.531]	[-1.808, 0.035]	[-0.417, 0.462]	[-1.208, -0.212]	[-0.257, 0.018]	[-0.075, 0.627]	[-0.081, 0.621]
	1.739***	1.575***	-0.181	-1.844***	0.376*	-0.523*	0.032	0.289	0.309
YEAR (ref: 2003): 2013	[0.753, 2.726]	[0.593, 2.557]	[-0.602, 0.239]	[-2.814, -0.874]	[-0.062, 0.813]	[-1.053, 0.006]	[-0.126, 0.190]	[-0.146, 0.723]	[-0.127, 0.745]
	1.087**	1.170***	-0.450**	0.043	0.476**	-0.116	0.268***	0.272	0.207
YEAR (ref: 2003): 2018	[0.216, 1.959]	[0.304, 2.035]	[-0.872, -0.028]	[-0.846, 0.932]	[0.037, 0.915]	[-0.623, 0.391]	[0.113, 0.424]	[-0.054, 0.599]	[-0.106, 0.520]
	-8.155***	-7.870***	2.044***	-3.822***	-2.524***	1.132**	0.415**	-0.185	-0.229
Constant	[-9.559, -6.752]	[-9.212, -6.529]	[1.300, 2.788]	[-5.669, -1.975]	[-3.287, -1.760]	[0.205, 2.059]	[0.095, 0.736]	[-3.118, 2.747]	[-3.160, 2.701]
	0.708***	0.705***	0.134***	0.290	0.143***	-0.338***	-1.448***	0.025	0.026
Multilevel variance parameter: Level 1	[0.391, 1.025]	[0.389, 1.020]	[0.038, 0.230]	[-0.208, 0.789]	[0.041, 0.244]	[-0.492, -0.183]	[-1.629, -1.267]	[-0.012, 0.062]	[-0.012, 0.063]
						0.845***	-0.043*		
Multilevel variance parameter: Residual						[0.798, 0.892]	[-0.094, 0.007]		
Observations (Level 2)	7249	7249	10429	10383	10432	10447	10663	16552	16552
Observations (Level 1)	166	166	166	166	166	166	166	166	166
Akaike Information Criterion	2869.01	2870.86	5101.199	687.393	5117.543	47639.029	29619.064	8734.342	8734.38
Prob. > $\chi^2$	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

South East	Non-polio full immunisation		Delivery			Antenatal care		Child survival	
	Full model	Interaction model (EXPxAGE)	At home	At private facility	At public facility	No. of antenatal care visits	No. of tetanus injections	Exposure decomposition	Total exposure
EXP_CHI	0.092 [-0.035, 0.220]	0.238** [0.056, 0.420]							
EXPxAGE		-0.005*** [-0.008, -0.002]							
EXP_PREG			0.036 [-0.062, 0.135]	0.020 [-0.060, 0.099]	-0.049 [-0.129, 0.030]	0.155** [0.001, 0.308]	0.010 [-0.021, 0.042]		
EXP_PREG_nod (date approximation)								0.036 [-0.116, 0.189]	
EXP_CHI_nod (date approximation)								-0.043 [-0.171, 0.085]	
EXP_TOT_nod (total exposure, date approximation)									-0.013 [-0.126, 0.099]
CHI_AGE	0.112*** [0.069, 0.155]	0.048*** [0.019, 0.078]						-0.017 [-0.056, 0.022]	-0.013 [-0.052, 0.025]
CHI_AGE2	-0.002*** [-0.002, -0.001]							0.000 [-0.000, 0.001]	0.000 [-0.000, 0.001]
CHI_ORD	-0.037 [-0.100, 0.026]	-0.036 [-0.099, 0.027]						-0.122*** [-0.195, -0.048]	-0.122*** [-0.195, -0.048]
CHI_SEX	-0.149 [-0.362, 0.063]	-0.148 [-0.360, 0.065]						0.386*** [0.127, 0.645]	0.383*** [0.124, 0.642]
MOT_ANC	0.030*** [0.007, 0.053]	0.030*** [0.007, 0.053]	-0.104*** [-0.131, -0.077]	0.037*** [0.020, 0.055]	0.021** [0.003, 0.038]			-0.008 [-0.033, 0.017]	-0.007 [-0.032, 0.018]
MOT_EDM	0.055* [-0.004, 0.115]	0.055* [-0.004, 0.114]	-0.075** [-0.132, -0.018]	-0.027 [-0.075, 0.021]	0.099*** [0.049, 0.148]	0.056 [-0.061, 0.173]	0.040*** [0.020, 0.061]	-0.001 [-0.071, 0.069]	-0.001 [-0.071, 0.069]
MOT_EDF	0.016 [-0.046, 0.079]	0.016 [-0.047, 0.078]	-0.106*** [-0.164, -0.048]	0.055** [0.003, 0.106]	0.036 [-0.016, 0.088]	0.008 [-0.095, 0.111]	-0.004 [-0.032, 0.024]	0.024 [-0.046, 0.095]	0.026 [-0.045, 0.096]
MOT_AWE	2.623*** [2.236, 3.011]	2.613*** [2.226, 3.000]	-0.974*** [-1.244, -0.703]	0.199 [-0.055, 0.452]	0.802*** [0.520, 1.083]	1.372*** [0.702, 2.042]	0.448*** [0.274, 0.621]		
MOT_AGE	0.013 [-0.010, 0.036]	0.013 [-0.011, 0.036]	-0.020** [-0.037, -0.002]	-0.001 [-0.015, 0.013]	0.012* [-0.002, 0.026]	-0.001 [-0.024, 0.022]	0.002 [-0.003, 0.007]	-0.019 [-0.044, 0.007]	-0.019 [-0.044, 0.007]
HH_RUR	-0.094 [-0.343, 0.155]	-0.102 [-0.351, 0.147]	-0.003 [-0.271, 0.264]	-0.129 [-0.333, 0.075]	0.181* [-0.020, 0.382]	-0.018 [-0.493, 0.457]	-0.060 [-0.141, 0.020]	-0.306** [-0.571, -0.041]	-0.305** [-0.570, -0.041]
HH_REL (ref: Catholic): Other Christian	-0.110 [-0.338, 0.118]	-0.103 [-0.330, 0.125]	0.016 [-0.221, 0.254]	-0.189** [-0.366, -0.012]	0.206** [0.028, 0.384]	-0.235 [-0.572, 0.103]	-0.099** [-0.175, -0.023]	-0.316** [-0.590, -0.041]	-0.312** [-0.587, -0.038]
HH_REL (ref: Catholic): Islam	-0.055 [-2.549, 2.440]	-0.031 [-2.503, 2.442]	-0.726 [-3.253, 1.801]	1.069 [-0.661, 2.798]	-0.588 [-2.638, 1.463]	0.705 [-2.529, 3.938]	-0.146 [-0.858, 0.567]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_REL (ref: Catholic): Traditionalist	-0.235 [-0.870, 0.400]	-0.223 [-0.859, 0.412]	1.728*** [1.049, 2.407]	-1.829*** [-2.694, -0.964]	-0.951** [-1.693, -0.209]	-1.223** [-2.193, -0.254]	-0.326** [-0.646, -0.005]	-0.303 [-1.031, 0.424]	-0.299 [-1.027, 0.429]
HH_REL (ref: Catholic): Other	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	16.125*** [15.152, 17.099]	1.493*** [1.304, 1.683]	-1.997 [-4.770, 0.776]	-2.025 [-4.787, 0.737]
HH_ETH (ref: Ekoi): Fulani	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Hausa	-1.150 [-2.979, 0.679]	-1.069 [-2.890, 0.753]	-0.604 [-3.250, 2.042]	0.283 [-1.011, 1.577]	-0.489 [-1.841, 0.863]	3.793*** [2.817, 4.769]	0.286* [-0.006, 0.578]	0.370 [-1.248, 1.989]	0.389 [-1.227, 2.006]
HH_ETH (ref: Ekoi): Ibibio	-0.356 [-2.952, 2.240]	-0.310 [-2.905, 2.285]	0.975 [-1.143, 3.094]	-1.174 [-3.019, 0.671]	0.507 [-1.176, 2.190]	0.393 [-1.936, 2.722]	0.100 [-0.733, 0.933]	0.296 [-2.029, 2.622]	0.303 [-2.023, 2.629]
HH_ETH (ref: Ekoi): Igala	-0.604 [-3.173, 1.964]	-0.637 [-3.211, 1.936]	-0.394 [-2.689, 1.901]	-2.032 [-4.466, 0.402]	1.572* [-0.222, 3.366]	3.192*** [1.463, 4.921]	0.983 [-0.706, 2.673]	0.282 [-1.560, 2.124]	0.279 [-1.562, 2.121]
HH_ETH (ref: Ekoi): Igbo	-0.887 [-2.193, 0.419]	-0.856 [-2.161, 0.449]	-0.040 [-1.256, 1.177]	-0.183 [-1.007, 0.640]	0.120 [-0.754, 0.994]	3.875*** [3.160, 4.590]	0.400*** [0.282, 0.518]	0.828 [-0.257, 1.914]	0.839 [-0.246, 1.924]
HH_ETH (ref: Ekoi): Ijaw / Izon	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	-0.404 [-1.516, 0.707]	-1.627*** [-1.814, -1.440]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Kanuri / Beriberi									
HH_ETH (ref: Ekoi): Tiv	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	-3.047*** [-3.747, -2.348]	-1.582*** [-1.708, -1.456]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Yoruba	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.220 [-2.478, 2.919]	-1.742* [-3.529, 0.045]	1.350 [-0.360, 3.060]	2.502** [0.025, 4.978]	0.491 [-0.231, 1.212]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Other	0.000	0.000	0.000	0.000	0.000	4.086***	0.676***	0.000	0.000

	[0.000, 0.000]	[0.000, 0.000]	[0.000, 0.000]	[0.000, 0.000]	[0.000, 0.000]	[1.888, 6.284]	[0.389, 0.964]	[0.000, 0.000]	[0.000, 0.000]
	-0.012	-0.013	0.023	-0.002	-0.012	-0.101***	-0.006	0.206***	0.206***
HH_SIZ	[-0.052, 0.028]	[-0.053, 0.027]	[-0.017, 0.064]	[-0.035, 0.030]	[-0.045, 0.021]	[-0.166, -0.037]	[-0.018, 0.007]	[0.132, 0.280]	[0.132, 0.280]
	0.165***	0.164***	-0.214***	0.152***	-0.016	0.297***	0.046***	0.034	0.034
HH_WEA	[0.114, 0.217]	[0.113, 0.215]	[-0.268, -0.161]	[0.111, 0.192]	[-0.055, 0.024]	[0.201, 0.393]	[0.029, 0.064]	[-0.025, 0.093]	[-0.025, 0.093]
	0.876***	0.878***	-0.072	0.063	-0.165	-0.647	-0.070	0.265	0.227
YEAR (ref: 2003): 2008	[0.211, 1.541]	[0.214, 1.542]	[-0.638, 0.494]	[-0.404, 0.530]	[-0.641, 0.312]	[-1.778, 0.484]	[-0.286, 0.147]	[-0.444, 0.973]	[-0.477, 0.930]
	0.906***	0.914***	-0.075	-0.150	0.092	0.659	0.113	0.234	0.166
YEAR (ref: 2003): 2013	[0.250, 1.563]	[0.258, 1.571]	[-0.629, 0.479]	[-0.602, 0.302]	[-0.367, 0.551]	[-0.404, 1.722]	[-0.119, 0.345]	[-0.475, 0.943]	[-0.529, 0.861]
	1.159***	1.301***	-0.147	-0.237	0.217	-0.653	0.027	0.468	0.462
YEAR (ref: 2003): 2018	[0.408, 1.910]	[0.534, 2.067]	[-0.738, 0.444]	[-0.718, 0.244]	[-0.268, 0.702]	[-1.764, 0.458]	[-0.217, 0.270]	[-0.359, 1.295]	[-0.365, 1.289]
	-4.957***	-4.578***	2.123***	-1.095**	-2.661***	2.038**	1.009***	1.657**	1.685**
Constant	[-6.650, -3.263]	[-6.238, -2.917]	[0.628, 3.618]	[-2.177, -0.013]	[-3.796, -1.526]	[0.300, 3.777]	[0.663, 1.355]	[0.114, 3.199]	[0.144, 3.226]
	0.169**	0.169**	0.750***	0.355***	0.238***	0.613***	-1.893***	0.000	0.000
Multilevel variance parameter: Level 1	[0.034, 0.304]	[0.033, 0.304]	[0.346, 1.154]	[0.183, 0.528]	[0.105, 0.371]	[0.435, 0.791]	[-2.192, -1.594]	[-0.000, 0.000]	[-0.000, 0.000]
						1.510***	-0.008		
Multilevel variance parameter: Residual						[1.439, 1.582]	[-0.073, 0.056]		
Observations (Level 2)	2036	2036	2900	2900	2900	2949	3229	4362	4362
Observations (Level 1)	85	85	86	86	123	86	87	87	87
Akaike Information Criterion	2198.177	2202.549	2361.019	3572.969	3513.076	17468.034	9205.156	1926.233	1925.154
Prob. > $\chi^2$	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001



South South	Non-polio full immunisation		Delivery			Antenatal care		Child survival	
	Full model	Interaction model (EXPxAGE)	At home	At private facility	At public facility	No. of antenatal care visits	No. of tetanus injections	Exposure decomposition	Total exposure
EXP_CHI	0.065 [-0.042, 0.171]	0.171** [0.001, 0.341]							
EXPxAGE		-0.003*** [-0.006, -0.001]							
EXP_PREG			-0.023 [-0.102, 0.056]	0.038 [-0.074, 0.150]	0.014 [-0.060, 0.088]	0.072 [-0.055, 0.198]	0.037* [-0.000, 0.074]		
EXP_PREG_nod (date approximation)								-0.056 [-0.206, 0.094]	
EXP_CHI_nod (date approximation)								-0.005 [-0.139, 0.128]	
EXP_TOT_nod (total exposure, date approximation)									-0.026 [-0.142, 0.091]
CHI_AGE	0.073*** [0.035, 0.110]	0.028** [0.003, 0.053]						0.023 [-0.015, 0.061]	0.021 [-0.016, 0.059]
CHI_AGE2	-0.001*** [-0.002, -0.000]							0.000 [-0.001, 0.000]	0.000 [-0.001, 0.000]
CHI_ORD	-0.073** [-0.135, -0.010]	-0.074** [-0.137, -0.011]						-0.239*** [-0.318, -0.160]	-0.239*** [-0.318, -0.160]
CHI_SEX	0.176* [-0.016, 0.368]	0.173* [-0.019, 0.365]						0.317** [0.054, 0.580]	0.317** [0.054, 0.580]
MOT_ANC	0.039*** [0.019, 0.060]	0.039*** [0.019, 0.060]	-0.143*** [-0.162, -0.124]	0.072*** [0.050, 0.093]	0.083*** [0.067, 0.100]			0.017 [-0.011, 0.046]	0.017 [-0.011, 0.046]
MOT_EDM	0.050* [-0.000, 0.101]	0.050* [-0.001, 0.101]	-0.023 [-0.069, 0.023]	0.028 [-0.038, 0.094]	0.015 [-0.028, 0.058]	0.075** [0.005, 0.146]	0.031*** [0.010, 0.051]	0.033 [-0.032, 0.097]	0.033 [-0.032, 0.097]
MOT_EDF	0.010 [-0.046, 0.066]	0.010 [-0.046, 0.065]	-0.005 [-0.055, 0.044]	0.029 [-0.044, 0.101]	-0.007 [-0.054, 0.040]	0.094* [-0.000, 0.188]	-0.011 [-0.032, 0.010]	-0.036 [-0.113, 0.040]	-0.036 [-0.113, 0.040]
MOT_AWE	2.921*** [2.577, 3.265]	2.908*** [2.564, 3.251]	-1.262*** [-1.510, -1.015]	0.825*** [0.411, 1.239]	1.080*** [0.830, 1.330]	2.596*** [2.197, 2.995]	0.657*** [0.539, 0.775]		
MOT_AGE	0.026** [0.005, 0.047]	0.026** [0.005, 0.048]	-0.030*** [-0.044, -0.016]	0.007 [-0.013, 0.027]	0.023*** [0.010, 0.036]	0.019 [-0.006, 0.045]	0.001 [-0.005, 0.007]	-0.003 [-0.031, 0.025]	-0.003 [-0.031, 0.025]
HH_RUR	-0.040 [-0.280, 0.200]	-0.047 [-0.288, 0.193]	0.715*** [0.476, 0.953]	-0.564*** [-0.874, -0.253]	-0.322*** [-0.543, -0.100]	-1.067*** [-1.594, -0.539]	-0.065 [-0.192, 0.062]	-0.405** [-0.762, -0.048]	-0.405** [-0.762, -0.049]
HH_REL (ref: Catholic): Other Christian	-0.391** [-0.741, -0.042]	-0.396** [-0.746, -0.046]	0.312** [0.027, 0.598]	0.237 [-0.166, 0.641]	-0.446*** [-0.710, -0.182]	-0.375 [-1.003, 0.253]	-0.106* [-0.226, 0.015]	0.054 [-0.403, 0.510]	0.054 [-0.402, 0.510]
HH_REL (ref: Catholic): Islam	0.009 [-0.761, 0.779]	0.006 [-0.765, 0.776]	-0.084 [-0.771, 0.603]	0.063 [-0.702, 0.829]	0.157 [-0.457, 0.771]	0.019 [-1.728, 1.765]	0.169 [-0.139, 0.477]	0.786 [-0.598, 2.169]	0.787 [-0.597, 2.171]
HH_REL (ref: Catholic): Traditionalist	-0.746 [-1.750, 0.258]	-0.727 [-1.732, 0.277]	0.634 [-0.311, 1.579]	-0.113 [-1.255, 1.030]	-0.469 [-1.335, 0.397]	0.748 [-0.852, 2.347]	-0.339 [-0.789, 0.112]	-0.562 [-1.539, 0.415]	-0.557 [-1.534, 0.420]
HH_REL (ref: Catholic): Other	-0.300 [-1.524, 0.924]	-0.294 [-1.520, 0.932]	-0.562 [-1.606, 0.482]	0.000 [0.000, 0.000]	0.518 [-0.484, 1.519]	-0.793 [-2.518, 0.933]	-0.237 [-1.005, 0.532]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Fulani	-1.438 [-3.691, 0.815]	-1.440 [-3.692, 0.813]	0.033 [-1.779, 1.845]	0.177 [-2.288, 2.643]	0.135 [-1.520, 1.790]	1.450 [-2.747, 5.646]	-0.187 [-0.686, 0.312]	-1.042 [-3.402, 1.317]	-1.025 [-3.384, 1.334]
HH_ETH (ref: Ekoi): Hausa	-0.923*** [-1.445, -0.401]	-0.920*** [-1.444, -0.397]	0.244 [-0.267, 0.754]	0.183 [-0.805, 1.171]	-0.129 [-0.625, 0.367]	0.598 [-0.506, 1.701]	-0.003 [-0.274, 0.267]	-0.496 [-1.258, 0.265]	-0.494 [-1.255, 0.267]
HH_ETH (ref: Ekoi): Ibibio	-0.758 [-3.413, 1.898]	-0.740 [-3.351, 1.871]	0.050 [-1.849, 1.949]	1.096 [-1.306, 3.499]	-0.256 [-1.947, 1.436]	0.828 [-1.132, 2.787]	-0.337 [-1.153, 0.479]	-0.964 [-3.153, 1.225]	-0.963 [-3.151, 1.224]
HH_ETH (ref: Ekoi): Igala	-0.492* [-1.051, 0.067]	-0.488* [-1.049, 0.073]	-0.025 [-0.539, 0.488]	1.214*** [0.297, 2.130]	-0.488** [-0.975, -0.000]	1.838*** [0.562, 3.114]	0.088 [-0.165, 0.342]	-0.304 [-1.113, 0.506]	-0.300 [-1.109, 0.509]
HH_ETH (ref: Ekoi): Ijaw / Izon	-0.640** [-1.138, -0.143]	-0.639** [-1.140, -0.139]	0.804*** [0.290, 1.317]	-0.043 [-1.023, 0.938]	-0.679*** [-1.178, -0.180]	0.095 [-1.029, 1.219]	-0.018 [-0.265, 0.229]	-0.213 [-0.951, 0.526]	-0.212 [-0.950, 0.526]
HH_ETH (ref: Ekoi): Kanuri / Beriberi	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]			0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Tiv	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	1.582** [0.257, 2.906]	-1.433*** [-1.688, -1.177]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Yoruba	-2.193*** [-3.155, -1.231]	-2.185*** [-3.148, -1.222]	-0.089 [-0.970, 0.791]	2.236*** [1.101, 3.371]	-1.470*** [-2.336, -0.604]	1.253 [-0.524, 3.030]	0.005 [-0.370, 0.380]	0.131 [-1.496, 1.757]	0.137 [-1.491, 1.765]
	-0.887***	-0.885***	0.126	0.953**	-0.384*	1.037*	0.063	-0.202	-0.201

HH_ETH (ref: Ekoi): Other	[-1.352, -0.423]	[-1.352, -0.419]	[-0.319, 0.571]	[0.066, 1.840]	[-0.814, 0.046]	[-0.022, 2.095]	[-0.169, 0.294]	[-0.905, 0.500]	[-0.903, 0.501]
	-0.016	-0.017	0.058***	-0.043	-0.030*	-0.002	-0.016*	0.314***	0.315***
HH_SIZ	[-0.060, 0.027]	[-0.060, 0.027]	[0.020, 0.095]	[-0.095, 0.010]	[-0.065, 0.005]	[-0.067, 0.064]	[-0.033, 0.002]	[0.236, 0.393]	[0.236, 0.394]
	0.120***	0.119***	-0.180***	0.139***	0.103***	0.409***	0.066***	-0.041	-0.041
HH_WEA	[0.074, 0.167]	[0.072, 0.166]	[-0.223, -0.137]	[0.079, 0.199]	[0.063, 0.144]	[0.316, 0.502]	[0.043, 0.088]	[-0.105, 0.022]	[-0.104, 0.023]
	0.898**	0.906**	0.499*	-0.197	-0.311	-0.350	-0.306***	1.135***	1.150***
YEAR (ref: 2003): 2008	[0.146, 1.650]	[0.153, 1.658]	[-0.031, 1.029]	[-0.819, 0.425]	[-0.800, 0.179]	[-1.507, 0.807]	[-0.519, -0.093]	[0.505, 1.765]	[0.522, 1.779]
	1.469***	1.461***	0.489*	-0.851***	-0.036	-1.238**	-0.284**	1.092***	1.138***
YEAR (ref: 2003): 2013	[0.726, 2.212]	[0.716, 2.207]	[-0.034, 1.013]	[-1.468, -0.234]	[-0.517, 0.446]	[-2.391, -0.084]	[-0.503, -0.064]	[0.480, 1.704]	[0.543, 1.733]
	1.745***	1.874***	0.674**	-0.759**	-0.153	-1.744***	-0.372***	1.288***	1.287***
YEAR (ref: 2003): 2018	[0.917, 2.572]	[1.022, 2.726]	[0.117, 1.231]	[-1.427, -0.091]	[-0.669, 0.363]	[-2.894, -0.594]	[-0.601, -0.144]	[0.519, 2.058]	[0.518, 2.056]
	-5.197***	-4.898***	2.076***	-4.455***	-2.101***	2.123**	1.270***	1.540**	1.500**
Constant	[-6.400, -3.994]	[-6.061, -3.736]	[1.189, 2.964]	[-5.818, -3.092]	[-2.943, -1.259]	[0.111, 4.135]	[0.854, 1.686]	[0.273, 2.808]	[0.238, 2.761]
	0.024	0.027	0.389***	0.640***	0.365***	0.216**	-1.507***	0.057	0.057
Multilevel variance parameter: Level 1	[-0.040, 0.087]	[-0.038, 0.092]	[0.190, 0.587]	[0.282, 0.997]	[0.193, 0.538]	[0.007, 0.426]	[-1.738, -1.276]	[-0.072, 0.187]	[-0.072, 0.186]
Multilevel variance parameter: Residual						1.554*** [1.495, 1.614]	0.190*** [0.136, 0.244]		
Observations (Level 2)	2514	2514	3552	3528	3552	3620	3975	4979	4979
Observations (Level 1)	111	111	112	112	112	112	112	113	113
Akaike Information Criterion	2613.206	2616.454	3449.379	2094.164	3846.725	21688.628	12916.658	1912.315	1910.708
Prob. > $\chi^2$	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

South West	Non-polio full immunisation		Delivery			Antenatal care		Child survival	
	Full model	Interaction model (EXPxAGE)	At home	At private facility	At public facility	No. of antenatal care visits	No. of tetanus injections	Exposure decomposition	Total exposure
EXP_CHI	-0.060 [-0.144, 0.024]	-0.019 [-0.138, 0.101]							
EXPxAGE		-0.002 <sup>*</sup> [-0.004, 0.000]							
EXP_PREG			0.055 [-0.013, 0.122]	-0.003 [-0.059, 0.052]	-0.033 [-0.087, 0.022]	-0.069 [-0.206, 0.069]	0.034 <sup>***</sup> [0.009, 0.058]		
EXP_PREG_nod (date approximation)								-0.021 [-0.145, 0.102]	
EXP_CHI_nod (date approximation)								0.018 [-0.103, 0.139]	
EXP_TOT_nod (total exposure, date approximation)									-0.001 [-0.103, 0.101]
CHI_AGE	0.083 <sup>***</sup> [0.050, 0.117]	0.056 <sup>***</sup> [0.035, 0.077]						0.035 <sup>*</sup> [-0.001, 0.071]	0.035 <sup>*</sup> [-0.001, 0.071]
CHI_AGE2	-0.001 <sup>**</sup> [-0.001, -0.000]							0.000 [-0.001, 0.000]	0.000 [-0.001, 0.000]
CHI_ORD	-0.087 <sup>**</sup> [-0.156, -0.017]	-0.087 <sup>**</sup> [-0.157, -0.018]						-0.369 <sup>***</sup> [-0.468, -0.271]	-0.367 <sup>***</sup> [-0.466, -0.269]
CHI_SEX	-0.006 [-0.182, 0.171]	-0.002 [-0.179, 0.174]						0.213 [-0.061, 0.486]	0.212 [-0.061, 0.486]
MOT_ANC	0.039 <sup>***</sup> [0.024, 0.054]	0.039 <sup>***</sup> [0.024, 0.054]	-0.064 <sup>***</sup> [-0.078, -0.049]	0.034 <sup>***</sup> [0.023, 0.045]	0.011 <sup>*</sup> [-0.000, 0.022]			-0.023 <sup>**</sup> [-0.045, -0.001]	-0.022 <sup>**</sup> [-0.044, -0.000]
MOT_EDM	0.042 <sup>*</sup> [-0.004, 0.088]	0.042 <sup>*</sup> [-0.004, 0.088]	-0.040 <sup>*</sup> [-0.082, 0.003]	0.054 <sup>***</sup> [0.016, 0.091]	-0.013 [-0.049, 0.023]	0.068 [-0.024, 0.160]	0.002 [-0.015, 0.019]	0.012 [-0.058, 0.082]	0.012 [-0.058, 0.082]
MOT_EDF	-0.031 [-0.080, 0.018]	-0.031 [-0.080, 0.018]	-0.015 [-0.059, 0.029]	-0.001 [-0.041, 0.038]	0.018 [-0.019, 0.055]	0.034 [-0.077, 0.146]	0.008 [-0.012, 0.028]	0.003 [-0.070, 0.075]	0.002 [-0.070, 0.074]
MOT_AWE	2.962 <sup>***</sup> [2.589, 3.336]	2.953 <sup>***</sup> [2.580, 3.327]	-1.082 <sup>***</sup> [-1.294, -0.870]	0.072 [-0.142, 0.286]	0.973 <sup>***</sup> [0.756, 1.190]	2.383 <sup>***</sup> [1.878, 2.889]	0.582 <sup>***</sup> [0.488, 0.675]		
MOT_AGE	0.031 <sup>***</sup> [0.011, 0.051]	0.031 <sup>***</sup> [0.011, 0.051]	-0.006 [-0.020, 0.008]	-0.005 [-0.018, 0.007]	0.011 <sup>*</sup> [-0.001, 0.023]	0.012 [-0.016, 0.041]	0.002 [-0.003, 0.006]	-0.012 [-0.041, 0.018]	-0.012 [-0.042, 0.017]
HH_RUR	-0.242 <sup>*</sup> [-0.489, 0.006]	-0.243 <sup>*</sup> [-0.490, 0.005]	0.028 [-0.217, 0.273]	-0.455 <sup>***</sup> [-0.668, -0.242]	0.333 <sup>***</sup> [0.129, 0.537]	0.423 [-0.286, 1.133]	-0.006 [-0.098, 0.086]	0.038 [-0.304, 0.380]	0.044 [-0.297, 0.385]
HH_REL (ref: Catholic): Other Christian	-0.095 [-0.593, 0.403]	-0.098 [-0.596, 0.400]	-0.232 [-0.672, 0.207]	0.171 [-0.186, 0.529]	-0.032 [-0.385, 0.321]	0.380 [-0.733, 1.493]	0.053 [-0.078, 0.185]	-0.180 [-0.859, 0.500]	-0.180 [-0.859, 0.499]
HH_REL (ref: Catholic): Islam	-0.402 [-0.919, 0.115]	-0.402 [-0.918, 0.114]	-0.261 [-0.718, 0.195]	0.213 [-0.164, 0.589]	-0.042 [-0.412, 0.328]	0.431 [-0.780, 1.642]	0.098 [-0.040, 0.235]	0.080 [-0.642, 0.803]	0.082 [-0.640, 0.804]
HH_REL (ref: Catholic): Traditionalist	-0.218 [-1.501, 1.066]	-0.228 [-1.508, 1.051]	0.404 [-0.674, 1.481]	-0.846 [-2.038, 0.345]	0.350 [-0.641, 1.341]	1.704 [-3.022, 6.429]	-0.393 <sup>*</sup> [-0.803, 0.017]	0.124 [-2.049, 2.298]	0.112 [-2.061, 2.285]
HH_REL (ref: Catholic): Other	0.994 [-3.233, 5.221]	0.992 [-3.182, 5.167]	0.337 [-2.751, 3.425]	0.000 [0.000, 0.000]	1.628 [-1.684, 4.939]	0.461 [-12.702, 13.625]	1.825 [-2.055, 5.705]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Fulani	-0.720 [-1.789, 0.349]	-0.713 [-1.784, 0.359]	1.513 <sup>***</sup> [0.758, 2.268]	-0.523 [-1.340, 0.294]	-2.137 <sup>***</sup> [-3.144, -1.131]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.993 [-1.064, 3.050]	1.003 [-1.053, 3.060]
HH_ETH (ref: Ekoi): Hausa	-0.224 [-1.123, 0.675]	-0.227 [-1.125, 0.671]	0.613 <sup>*</sup> [-0.096, 1.322]	-0.986 <sup>***</sup> [-1.735, -0.237]	0.418 [-0.268, 1.105]	2.791 <sup>**</sup> [0.122, 5.461]	0.594 <sup>**</sup> [0.121, 1.067]	0.383 [-0.869, 1.634]	0.381 [-0.869, 1.631]
HH_ETH (ref: Ekoi): Ibibio	1.109 [-0.248, 2.466]	1.115 [-0.237, 2.468]	-0.264 [-1.248, 0.720]	0.026 [-0.791, 0.844]	0.257 [-0.618, 1.132]	3.338 <sup>**</sup> [0.715, 5.961]	0.499 <sup>**</sup> [0.045, 0.952]	-0.060 [-1.552, 1.433]	-0.068 [-1.560, 1.423]
HH_ETH (ref: Ekoi): Igala	0.685 [-0.655, 2.024]	0.694 [-0.645, 2.032]	-0.676 [-1.738, 0.385]	0.647 [-0.253, 1.547]	-0.081 [-1.019, 0.857]	3.470 <sup>***</sup> [1.030, 5.910]	0.776 <sup>***</sup> [0.247, 1.305]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Igbo	0.521 <sup>**</sup> [0.014, 1.028]	0.531 <sup>**</sup> [0.025, 1.038]	-1.501 <sup>***</sup> [-2.066, -0.936]	0.786 <sup>***</sup> [0.422, 1.150]	0.009 [-0.366, 0.384]	4.918 <sup>***</sup> [2.881, 6.955]	0.908 <sup>***</sup> [0.502, 1.315]	-0.024 [-0.650, 0.603]	-0.020 [-0.647, 0.606]
HH_ETH (ref: Ekoi): Ijaw / Izon	-0.625 [-2.141, 0.891]	-0.638 [-2.160, 0.884]	0.804 [-0.205, 1.812]	-0.273 [-1.215, 0.668]	-1.925 <sup>**</sup> [-3.431, -0.419]	2.087 <sup>*</sup> [-0.170, 4.344]	0.107 [-0.322, 0.536]	0.497 [-0.809, 1.804]	0.505 [-0.801, 1.811]
HH_ETH (ref: Ekoi): Kanuri / Beriberi	2.769 <sup>*</sup> [-0.166, 5.704]	2.780 <sup>*</sup> [-0.149, 5.710]	1.245 [-1.500, 3.990]	0.000 [0.000, 0.000]	1.406 [-1.171, 3.984]	2.783 [-2.223, 7.790]	0.080 [-1.800, 1.960]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_ETH (ref: Ekoi): Tiv	1.769 <sup>*</sup> [-0.032, 3.569]	1.775 <sup>*</sup> [-0.025, 3.574]	-0.566 [-1.650, 0.518]	-0.238 [-1.545, 1.068]	0.530 [-0.532, 1.592]	1.717 [-1.581, 5.014]	0.661 <sup>*</sup> [-0.123, 1.445]	-0.015 [-2.100, 2.070]	-0.011 [-2.096, 2.074]
HH_ETH (ref: Ekoi): Yoruba	0.289 <sup>*</sup> [-0.008, 0.587]	0.294 <sup>*</sup> [-0.004, 0.591]	-0.244 <sup>*</sup> [-0.505, 0.016]	-0.118 [-0.361, 0.126]	0.341 <sup>***</sup> [0.102, 0.580]	5.612 <sup>***</sup> [3.766, 7.457]	0.944 <sup>***</sup> [0.562, 1.325]	0.438 <sup>**</sup> [0.030, 0.846]	0.440 <sup>**</sup> [0.032, 0.848]

HH_ETH (ref: Ekoi): Other	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]	4.747*** [2.737, 6.757]	0.845*** [0.439, 1.250]	0.000 [0.000, 0.000]	0.000 [0.000, 0.000]
HH_SIZ	-0.011 [-0.058, 0.036]	-0.011 [-0.059, 0.036]	0.031 [-0.010, 0.071]	-0.020 [-0.056, 0.016]	-0.008 [-0.042, 0.026]	-0.136*** [-0.238, -0.035]	0.002 [-0.014, 0.018]	0.499*** [0.399, 0.599]	0.498*** [0.398, 0.598]
HH_WEA	0.142*** [0.090, 0.195]	0.142*** [0.089, 0.195]	-0.154*** [-0.203, -0.105]	0.066*** [0.024, 0.108]	0.059*** [0.019, 0.099]	0.298*** [0.193, 0.403]	0.040*** [0.022, 0.058]	-0.012 [-0.088, 0.064]	-0.011 [-0.087, 0.064]
YEAR (ref: 2003): 2008	-0.257 [-0.891, 0.378]	-0.252 [-0.889, 0.385]	-0.027 [-0.516, 0.461]	-0.356* [-0.754, 0.041]	0.338 [-0.086, 0.763]	-1.254** [-2.220, -0.288]	-0.181** [-0.337, -0.024]	-0.084 [-0.845, 0.677]	-0.065 [-0.823, 0.694]
YEAR (ref: 2003): 2013	-0.749** [-1.390, -0.108]	-0.726** [-1.368, -0.084]	0.236 [-0.256, 0.728]	-0.495** [-0.891, -0.100]	0.258 [-0.165, 0.681]	-0.078 [-1.055, 0.898]	-0.261*** [-0.415, -0.107]	0.140 [-0.628, 0.908]	0.174 [-0.584, 0.933]
YEAR (ref: 2003): 2018	-0.694** [-1.384, -0.003]	-0.656* [-1.349, 0.037]	-0.072 [-0.595, 0.452]	-0.716*** [-1.140, -0.292]	0.709*** [0.265, 1.153]	-3.705*** [-4.735, -2.674]	-0.425*** [-0.602, -0.247]	0.159 [-0.675, 0.993]	0.149 [-0.684, 0.982]
Constant	-4.520*** [-5.602, -3.439]	-4.319*** [-5.373, -3.265]	1.438*** [0.624, 2.252]	-1.088*** [-1.786, -0.390]	-2.422*** [-3.131, -1.714]	3.280*** [0.838, 5.722]	0.345 [-0.119, 0.808]	1.871*** [0.540, 3.202]	1.849*** [0.520, 3.178]
Multilevel variance parameter: Level 1	0.255*** [0.097, 0.414]	0.257*** [0.098, 0.416]	0.479*** [0.264, 0.694]	0.357*** [0.207, 0.506]	0.543*** [0.342, 0.744]	0.483*** [0.285, 0.681]	-1.886*** [-2.158, -1.614]	0.027 [-0.106, 0.161]	0.026 [-0.107, 0.158]
Multilevel variance parameter: Residual						1.786*** [1.756, 1.816]	0.023 [-0.039, 0.086]		
Level 1 Observations (child)	3196	3196	4373	4368	4373	4513	4946	6002	6002
Level 2 Observations (LGA)	121	121	121	121	121	121	121	121	121
Akaike Information Criterion	3244.008	3246.792	3803.166	5074.963	5338.697	29126.36	14392.094	1819.029	1817.343
Prob. > $\chi^2$	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

95% confidence intervals in brackets

\* p &lt; 0.10, \*\* p &lt; 0.05, \*\*\* p &lt; 0.01