

<b>Model</b>	<b>AIC (Linear/Non-linear)</b>	<b>BIC (Linear/Non-linear)</b>
Climate prenatal for kids 0-1	50787.82 / 50790.68	50790.68 / 50910.15
Climate 0-1 for kids 1-2	44072.64 / 44079.06	44209.63 / 44246.49
Climate 0-2 for kids 2-3	43584.95 / 43585.83	43720.11 / 43751.04
Climate 0-3 for kids 3-4	39891.32 / 39864.59	40026.51 / 40029.82
Climate 0-4 for kids 4-5	39303.52 / 39296.96	39439.16 / 39462.75

**Supplementary Table 1: AIC/BIC scores comparing linear and non-linear weather variable specifications**

Variable	HAZ (B)									
	0-1	1-2	2-3	3-4	4-5					
Rain prenatal	0.016	0.038	**	0.029	-0.011	-0.031	*			
Temp prenatal	-0.066	+	-0.006	-0.007	0.013	0.024				
Rain 0-1	--	0.008	0.065	***	0.028	0.018				
Temp 0-1	--	0.012	0	-0.008	0.05	*				
Rain 1-2	--	--	-0.001	0.025	+	-0.004				
Temp 1-2	--	--	-0.026	+	0.006	0.029				
Rain 2-3	--	--	--	0.017	0.052	*				
Temp 2-3	--	--	--	0.032	0.027					
Rain 3-4	--	--	--	--	0.02					
Temp 3-4	--	--	--	--	0.038	+				
Child Age	-0.039	***	-0.025	***	-0.013	***	0.011	**	-0.009	**
Female	0.155	***	0.129	**	0.068	***	0.09	***	0.067	***
Indigenous	-0.222	*	-0.205	**	-0.205	*	-0.205	**	-0.16	*
Rural	-0.003		-0.079		-0.08		-0.123	+	-0.113	*
Maternal Age	-0.001		0.002		0.008	**	0.005	**	0.006	***
<b>Maternal Education</b>										
None	-0.13	+	-0.21	**	-0.232	*	-0.13	+	-0.184	**
Primary	-		-		-		-		-	
Secondary	0.16	**	0.221	***	0.27	***	0.309	***	0.259	***
Higher	0.272	***	0.43	***	0.435	***	0.48	***	0.46	***
Household size	-0.024	***	-0.035	***	-0.048	***	-0.041	***	-0.046	***
<b>Wealth Quintile</b>										
1	-0.341	***	-0.333	***	-0.462	***	-0.447	***	-0.416	***
2	-0.142	***	-0.184	***	-0.255	***	-0.199	***	-0.228	***
3	-		-		-		-		-	
4	-0.051	+	0.169	**	0.257	***	0.324	***	0.249	***
5	0.099	*	0.338	***	0.411	***	0.548	***	0.537	***
Time	-0.002	***	0.00		0.002	***	0.002	***	0.002	***
n	15,452		13,569		13,484		13,501		13,844	
Joint test of climate	<b>1.73</b>		<b>5.02</b>	**	<b>5.95</b>	***	<b>1.81</b>		<b>4.39</b>	**

+ p<0.10, \* p<0.05, \*\* p<0.01, \*\*\* p<0.001, - reference

Note: Models also controlled for Census-based regions (departments)

**Supplementary Table 2: Effects of climate anomalies on growth with exposure disaggregated by each year of life**

Variable	HAZ (B)									
	Age 0-1		Age 1-2		Age 2-3		Age 3-4		Age 4-5	
Prenatal Rain	0.022	+	0.038	**	0.014		-0.011		-0.035	*
Prenatal Temp	-0.076	*	0.002		-0.011		0.027	+	0.028	
Postnatal Rain	--		0.008		0.053	*	0.06	+	0.069	***
Postnatal Temp	--		0.026	+	-0.003		0.001		0.066	*
Child Age	-0.04	***	-0.027	***	-0.013	***	0.016	***	-0.01	**
Female	0.142	***	0.134	**	0.083	***	0.08	***	0.086	***
Indigenous	-0.231	+	-0.193	*	-0.195	+	-0.175	+	-0.158	+
Rural	-0.031		-0.133	*	-0.114		-0.184	*	-0.152	*
Maternal Age	-0.001		0.001		0.007	*	0.005	**	0.006	***
<b>Maternal Education</b>										
None	-0.143	*	-0.197	**	-0.233	**	-0.118		-0.179	*
Primary	-		-		-		-		-	
Secondary	0.149	**	0.17	***	0.224	***	0.265	***	0.253	***
Higher	0.267	***	0.358	***	0.385	***	0.449	***	0.421	***
Household size	-0.031	***	-0.038	***	-0.053	***	-0.043	***	-0.046	***
<b>Wealth Quintile</b>										
1	-0.355	***	-0.359	***	-0.47	***	-0.467	***	-0.403	***
2	-0.134	**	-0.212	***	-0.247	***	-0.196	***	-0.232	***
3	-		-		-		-		-	
4	-0.077	+	0.148	**	0.254	***	0.303	***	0.238	***
5	0.093	+	0.336	***	0.375	**	0.524	***	0.536	***
Time	-0.002	***	0.00		0.002	***	0.002	***	0.002	***
n	11,651		10,442		10,584		10,823		11,468	
<b>Joint test of climate</b>	<b>2.68</b>	<b>+</b>	<b>8.66</b>	<b>***</b>	<b>2.97</b>	<b>*</b>	<b>4.09</b>	<b>*</b>	<b>12.66</b>	<b>***</b>

+ p<0.10, \* p<0.05, \*\* p<0.01, \*\*\* p<0.001, - reference

Note: Models also controlled for Census-based regions (departments)

**Supplementary Table 3: HAZ and climate exposure across childhood while restricting the sample to children who have not moved in the past 5 years**

Variable Interactions	Prenatal climate for 0-1		Climate 0-1 for 1-2				Climate 0-2 for 2-3				Climate 0-3 for 3-4				Climate 0-4 for 4-5			
			Prenatal		Postnatal		Prenatal		Postnatal		Prenatal		Postnatal		Prenatal		Postnatal	
	Rain	Temp.	Rain	Temp.	Rain	Temp.	Rain	Temp.	Rain	Temp.	Rain	Temp.	Rain	Temp.	Rain	Temp.	Rain	Temp.
<i>Indigenous</i>																		
No	0.013	-0.083*	0.040**	-0.019	0.013	0.000	0.0.024	-0.005	0.052*	0.000	-0.000	0.013	0.049	0.005	-0.029+	0.021	0.056*	0.079**
Yes	0.037	0.052	0.021	0.022	-0.035	0.08**	0.058	-0.045	0.051	-0.088+	-0.08**	0.043	0.050	-0.018	-0.063	0.051	0.022	0.032
Joint test of interactions	<b>3.33+</b>		<b>4.26**</b>		<b>4.26**</b>		<b>3.47*</b>		<b>3.47*</b>		<b>2.86*</b>		<b>2.86*</b>		<b>4.94**</b>		<b>4.94**</b>	
<i>Area</i>																		
Urban	0.024	-0.111**	0.042*	-0.009	0.018	0.002	0.002	0.011	0.065**	-0.000	-0.008	0.005	0.088*	-0.004	-0.017	0.021	0.069**	0.072*
Rural	0.009	0.006	0.033*	-0.006	-0.009	0.025	0.053	-0.031	0.031	-0.039	-0.014	0.029	-0.011	-0.003	-0.056*	0.024	0.014	0.060+
Joint test of interactions	<b>9.18**</b>		<b>0.52</b>		<b>0.52</b>		<b>1.58</b>		<b>1.58</b>		<b>3.57*</b>		<b>3.57*</b>		<b>2.89*</b>		<b>2.89*</b>	
<i>Wealth</i>																		
Quintile 1	0.002	-0.022	0.005	-0.005	-0.016	0.042	0.083*	-0.041	-0.006	-0.033	-0.016	0.044	-0.027	0.005	-0.023	0.051+	0.020	0.109**
Quintile 2	0.044+	-0.001	0.031+	0.009	0.049*	0.029	-0.002	0.007	0.058*	0.035	-0.047	0.043+	0.010	-0.035	-0.019	-0.010	0.006	0.002
Quintile 3	-0.016	-0.17***	0.044**	-0.05+	0.017	-0.003	-0.034	0.006	0.075**	-0.023	0.043	-0.029	0.075*	-0.022	-0.036	0.032	0.091**	0.037
Quintile 4	0.005	-0.088	0.038	0.002	0.030	-0.034	0.049	-0.017	0.114**	-0.034	-0.001	-0.044	0.091*	0.018	-0.011	-0.034	0.055*	0.060+
Quintile 5	0.073+	-0.061	0.11**	-0.018	-0.04*	-0.004	-0.016	0.056	0.050	-0.077	-0.029	0.064**	0.133**	0.024	-0.078**	0.069**	0.17***	0.036
Joint test of interactions	<b>6.93***</b>		<b>11.0***</b>		<b>11.0***</b>		<b>12.03***</b>		<b>12.03***</b>		<b>35.39***</b>		<b>35.39***</b>		<b>13.57***</b>		<b>13.57***</b>	
<i>Education</i>																		
None	-0.020	0.043	0.005	0.12+	-0.019	0.037	0.131+	-0.048	-0.155+	-0.120	0.063+	0.051	0.004	0.008	0.023	-0.049	0.014	0.059
Primary	0.010	-0.060	0.022	-0.036	0.013	0.036	0.039	-0.041+	0.039	-0.013	-0.048+	0.011	-0.016	-0.025	-0.021	0.026	-0.014	0.046
Secondary	0.019	-0.073*	0.037	-0.005	0.010	0.026	0.010	-0.005	0.10***	0.004	0.001	0.015	0.102+	-0.006	-0.058**	0.043+	0.10***	0.072*
Higher	0.030	-0.085*	0.068**	0.012	0.009	-0.065	-0.041	0.083*	0.033	-0.038	0.022	0.003	0.056*	0.048	-0.028	0.002	0.070+	0.094*
Joint test of interactions	<b>0.79</b>		<b>9.17***</b>		<b>9.17***</b>		<b>10.79***</b>		<b>10.79***</b>		<b>8.26***</b>		<b>8.26***</b>		<b>6.12***</b>		<b>6.12***</b>	
<i>Indig * Area</i>																		
Non-indig urban	0.019	-0.11**	0.041*	-0.006	0.015	0.002	-0.003	0.009	0.069**	-0.004	-0.005	0.006	0.084*	0.005	-0.019	0.019	0.069**	0.075*
Non-indig rural	-0.013	0.074*	-0.005	-0.018	-0.009	-0.004	0.065*	-0.031	-0.044	0.002	0.007	0.019	-0.10*	0.005	-0.029	0.004	-0.040	0.007
Indig urban	0.35*	-0.265	0.038	-0.059	0.125	0.030	0.283*	0.034	-0.318*	0.136	-0.208	0.078	-0.147	-0.186	0.074	0.152*	-0.137	-0.079
Indig rural	-0.35*	0.393	-0.055	0.117	-0.18+	0.056	-0.308*	-0.069	0.364*	-0.248*	0.136	-0.057	0.209	0.191	-0.105+	-0.139	0.086	0.027
Joint test of interactions	<b>4.12**</b>		<b>6.11***</b>		<b>6.11***</b>		<b>12.95***</b>		<b>12.95***</b>		<b>4.06**</b>		<b>4.06**</b>		<b>6.81***</b>		<b>6.81***</b>	

+ p<0.10, \* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Supplementary Table 4: Climate by sociodemographic interactions across all age intervals