

## ANS 2C

**Table 1: Summary Statistics**

	All			Three years old			Four years old		
	N	Mean	Median	N	Mean	Median	N	Mean	Median
EC6	2517	0.10	0.00	1224	0.06	0.00	1293	0.14	0.00
EC7	2517	0.11	0.00	1224	0.08	0.00	1293	0.13	0.00
EC8	2517	0.18	0.00	1224	0.11	0.00	1293	0.25	0.00
EC9	2517	0.92	1.00	1224	0.91	1.00	1293	0.93	1.00
EC10	2517	0.39	0.00	1224	0.40	0.00	1293	0.38	0.00
EC11	2517	0.87	1.00	1224	0.84	1.00	1293	0.89	1.00
EC12	2517	0.74	1.00	1224	0.71	1.00	1293	0.77	1.00
EC13	2517	0.96	1.00	1224	0.96	1.00	1293	0.96	1.00
EC14	2517	0.49	0.00	1224	0.51	1.00	1293	0.47	0.00
EC15	2517	0.37	0.00	1224	0.38	0.00	1293	0.37	0.00

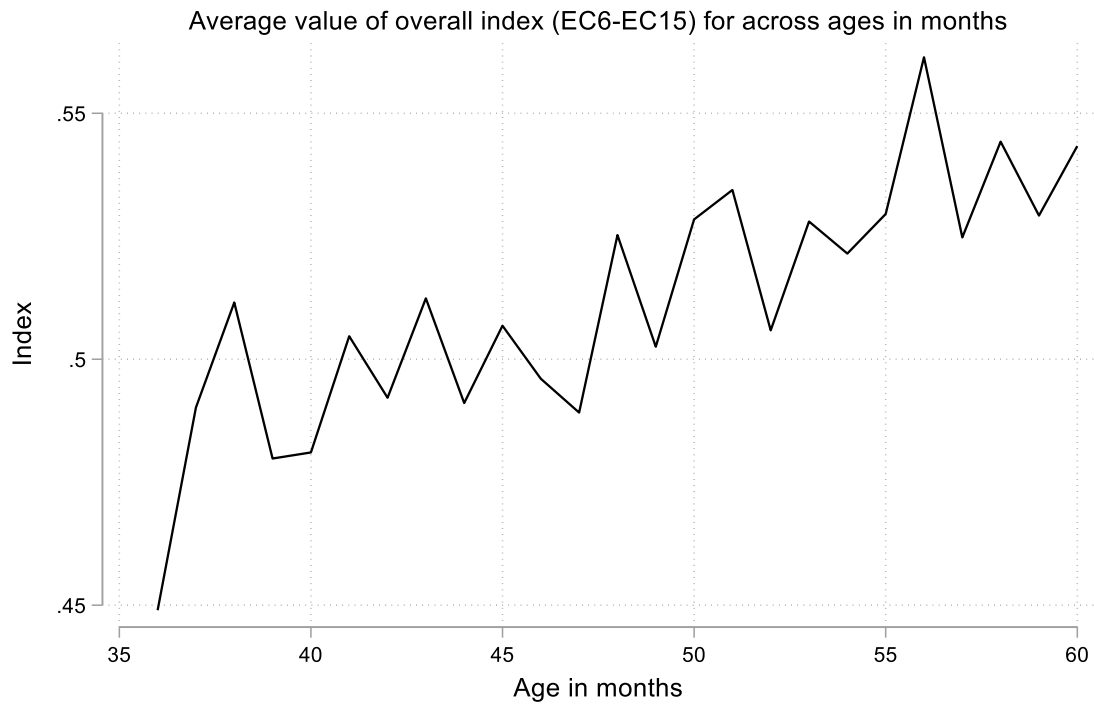
## ANS 2E

**Table 2: Chronbach's Alpha**

Item	Obs	Sign	Item-test correlation	Item-rest correlation	Average interitem covariance	alpha
EC6	2517	+	0.44	0.26	0.011	0.40
EC7	2517	+	0.39	0.21	0.011	0.41
EC8	2517	+	0.51	0.29	0.009	0.38
EC9	2517	+	0.29	0.12	0.012	0.44
EC10	2517	-	0.41	0.11	0.012	0.45
EC11	2517	+	0.46	0.27	0.010	0.39
EC12	2517	+	0.48	0.22	0.010	0.40
EC13	2517	+	0.24	0.12	0.013	0.44
EC14	2517	-	0.44	0.13	0.011	0.45
EC15	2517	-	0.43	0.14	0.011	0.44
Test scale					0.011	0.45

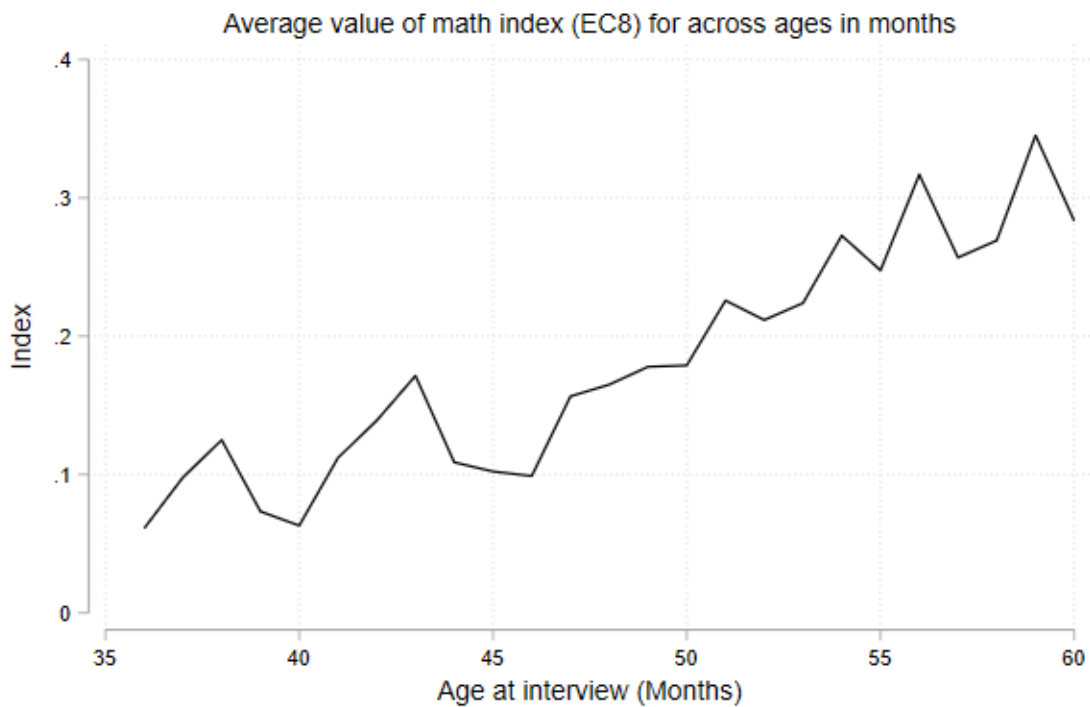
ANS 2F

**Figure 1: Mean overall child development index**

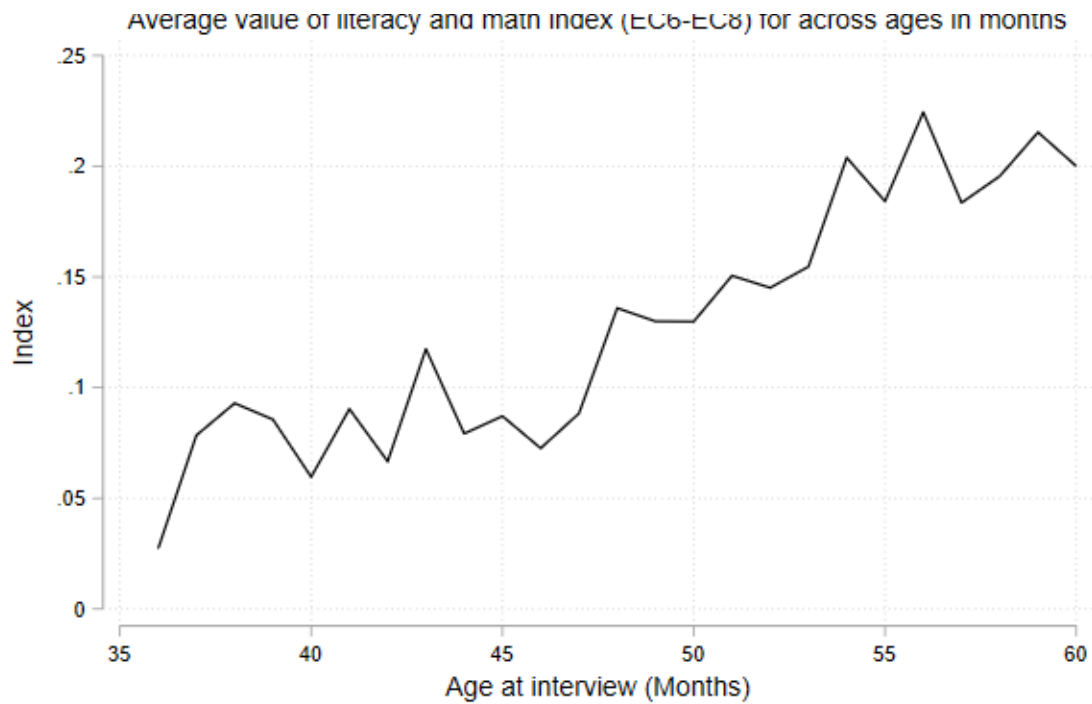


**Table 3: Summary statistics for child development indices**

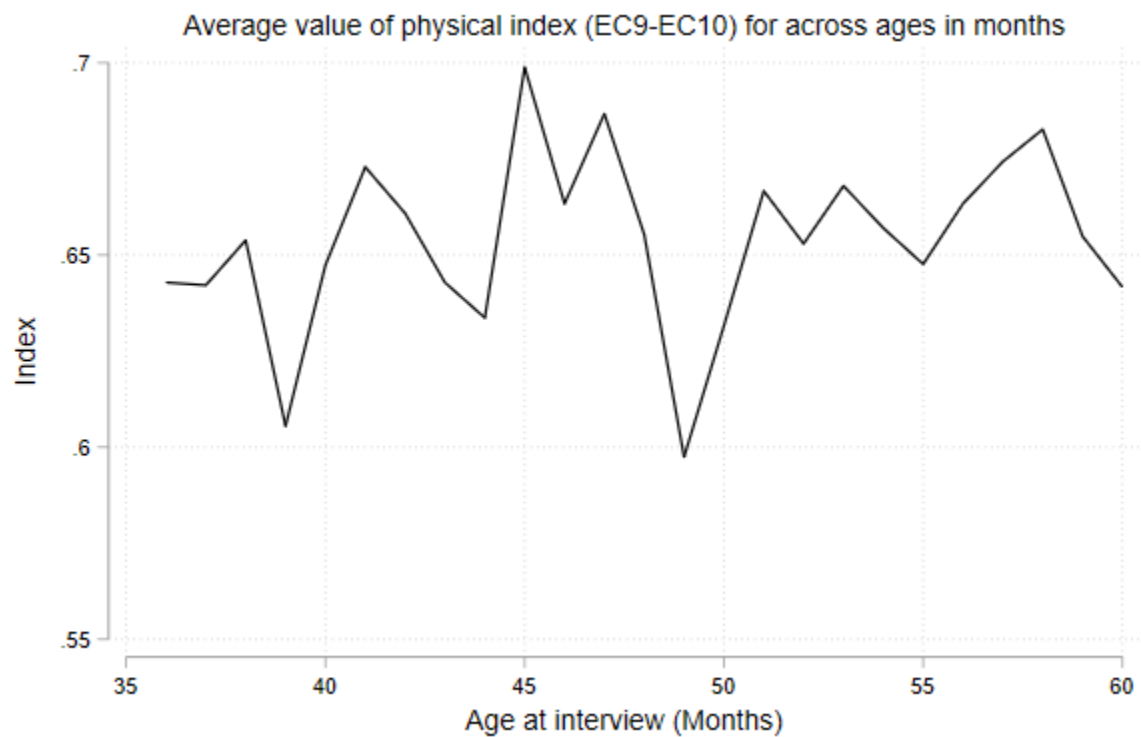
	All			Three years old			Four years old		
	N	Mean	Median	N	Mean	Median	N	Mean	Median
Index - Overall	2517	0.51	0.50	1224	0.50	0.50	1293	0.53	0.50
Index - Math	2517	0.18	0.00	1224	0.11	0.00	1293	0.25	0.00
Index - Literacy and Math	2517	0.13	0.00	1224	0.08	0.00	1293	0.17	0.00
Index - Physical	2517	0.65	0.50	1224	0.65	0.50	1293	0.65	0.50
Index - Learning	2517	0.80	1.00	1224	0.77	1.00	1293	0.83	1.00
Index - Socio-emotional	2517	0.61	0.67	1224	0.61	0.67	1293	0.60	0.67

**Figure 2: Mean math index**

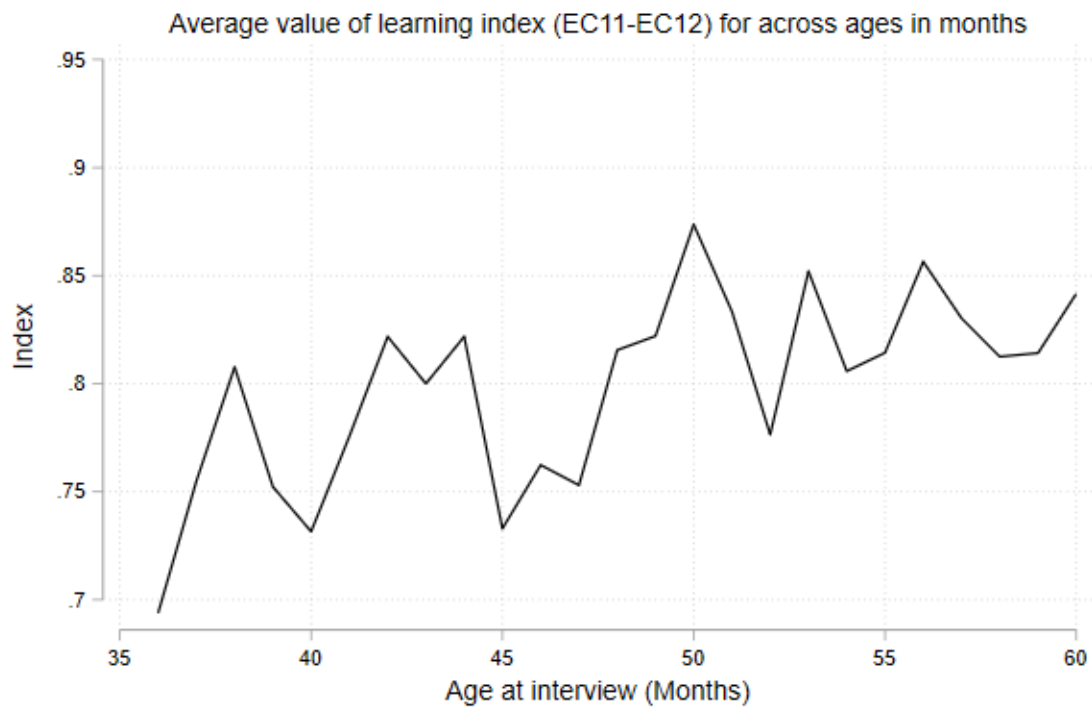
**Figure 3: Mean literacy and math index**



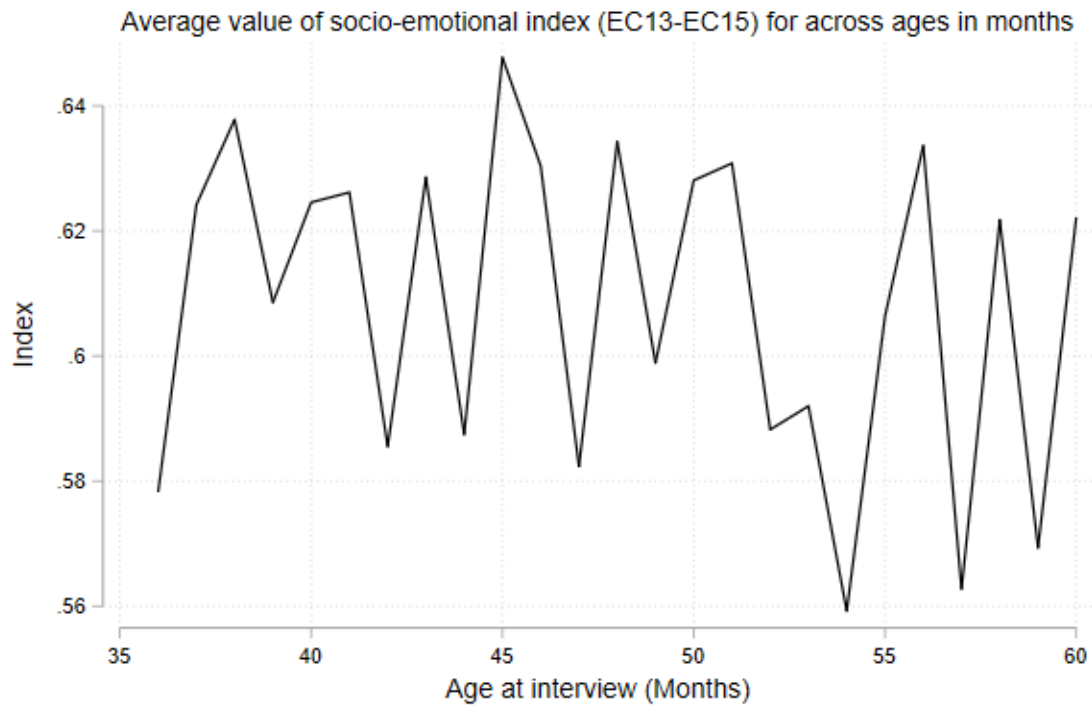
**Figure 4: Mean physical index**



**Figure 5: Mean learning index**



**Figure 6: Mean socio-emotional index**



## ANS 2H

**Table 4: Association between children's age and their development**

	Overall	Math	Literacy & Math	Physical	Learning	Socio-emotional
Age at interview (Months)	0.26*** (0.04)	1.05*** (0.11)	0.69*** (0.07)	0.08 (0.08)	0.35*** (0.09)	-0.12 (0.07)
Constant	38.83*** (1.95)	-32.28*** (5.06)	-20.42*** (3.32)	61.45*** (3.82)	63.36*** (4.62)	66.64*** (3.47)
N	2491	2491	2491	2491	2491	2491
r <sup>2</sup>	0.02	0.04	0.04	0.00	0.01	0.00

Standard errors in parentheses

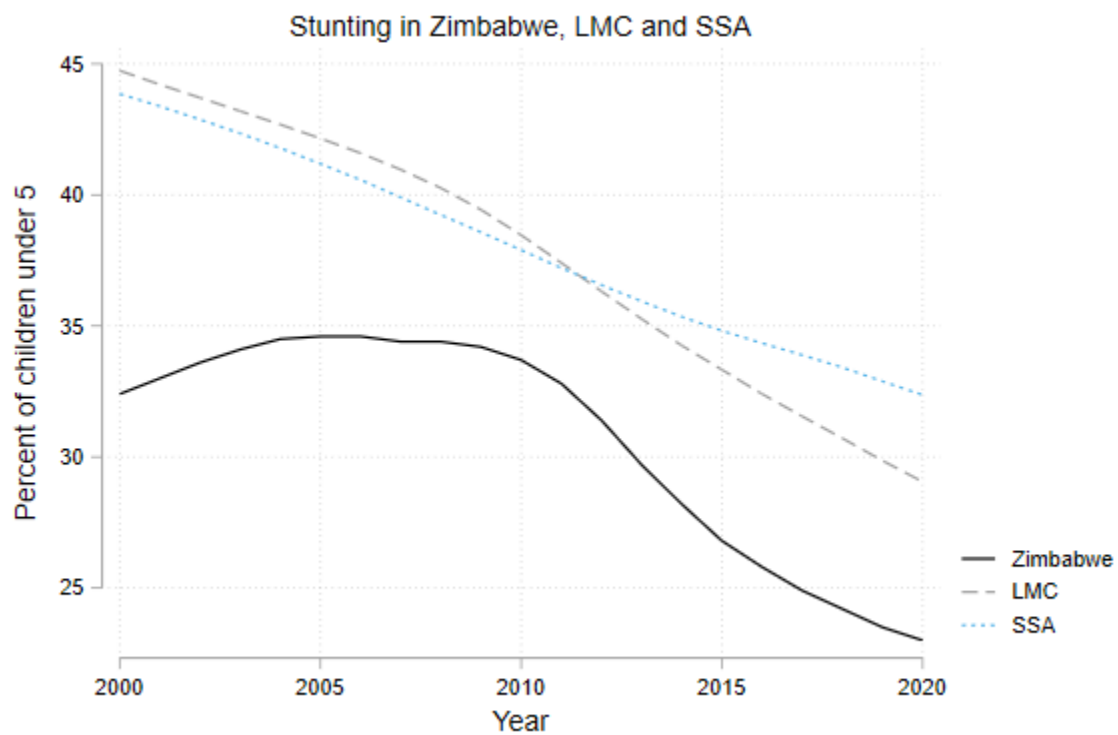
\* p<0.05 \*\* p<0.01 \*\*\* p<0.001

ANS 3

**Table 5: Stunting rates**

Country	Year	Stunting Rate
Lower middle income	2020	29.1
Sub-Saharan Africa	2020	32.4
Zimbabwe	2020	23

**Figure 7: Stunting rate in Zimbabwe**



#### ANS 4

According to Table 4, the percentage of children under the age of 5 who are stunted (lower height for age) is 23 percent in Zimbabwe, which is lower than the regional benchmark of 32.4 percent for Sub-Saharan Africa. It is also smaller than the average stunting rate for all lower middle income countries (29.1 percent). Stunting rates in Zimbabwe have been declining at a much faster rate post-2010, compared to that in its regional and lower middle income counterparts (Figure 7).

However, preliminary analysis of the 2019 Zimbabwe MICS6 survey data shows little evidence of improving physical development with age for children that are 3 and 4 years old. In MICS6, children's physical growth is proxied by their ability to pick up small objects and their susceptibility to sickness. While 92 percent children in the sample were able to perform the former task, 39 percent of them were sometimes too sick to play.

Figure 4 shows no correlation between age in months for these children and their physical development index. This lack of correlation is corroborated by the statistically insignificant effect of children's age in months on their physical development, as shown in the fourth column of Table 4.