

## SDC 1: Temporal Trends in Demographic and Clinical Characteristics of Children at ART Initiation in Côte d'Ivoire during 2004–2008

	Original Dataset		Imputed Datasets						P-value	
	Frequency of Observations (n)	Median or Percentage	Median or Percentage	2004 (N=187, 9%)	2005 (N=365, 17%)	2006 (N=551, 26%)	2007 (N=503, 24%)	2008 (N=504, 24%)		
<b>Age at enrolment</b>										
<2 years old	445	21%	21%	12%	17%	26%	22%	21%	0.106	
2-<5 years old	580	27%	27%	33%	27%	27%	27%	27%		
5-<15 years old	1,085	51%	51%	55%	56%	47%	51%	52%		
<b>Sex</b>										
Male	1,146	54%	54%	56%	56%	55%	54%	52%	0.221	
Females	964	46%	46%	44%	44%	45%	46%	48%		
<b>Orphan Status</b>										
Both parents alive	963	57%	54%	49%	46%	56%	53%	61%	<0.001	
One or both parents dead	728	43%	46%	51%	54%	44%	47%	39%		
Missing data	419	20%								
<b>BCG Vaccine</b>										
Yes	322	15%	15%	10%	11%	11%	20%	20%	<0.001	
No	1,788	85%	85%	90%	89%	89%	80%	80%		
<b>*All recommended vaccinations, n (%)</b>										
Yes	187	9%	9%	9%	9%	7%	10%	10%	0.344	
No	1,923	91%	91%	91%	91%	93%	90%	90%		
<b>Type of HIV</b>										
HIV-1	2,044	99%	99%	98%	99%	99%	99%	99%	0.529	
HIV-2 or dual HIV-1&2	20	1%	1%	2%	1%	1%	1%	1%		
Missing data	46	2%								
<b>WHO Stage</b>										
I/II	329	19%	19%	23%	14%	16%	20%	22%	0.495	
III	939	53%	53%	56%	58%	53%	48%	52%		
IV	510	29%	28%	21%	28%	31%	31%	26%		
Missing data	332	16%								
<b>Prior TB</b>										
Yes	185	9%	9%	5%	7%	12%	8%	8%	0.570	
No	1,925	91%	91%	95%	93%	88%	92%	92%		
<b>Active TB</b>										
Yes	150	7%	7%	3%	7%	9%	7%	7%	0.455	
No	1,960	93%	93%	97%	93%	91%	93%	93%		
<b>Weight-for-Age Z-score</b>										
>-2	729	38%	39%	46%	38%	37%	39%	37%	0.204	
≤ -2	1,181	62%	61%	54%	62%	63%	61%	63%		
Missing data	200	9%								
<b>CD4 cell count %</b>										
Median CD4% (IQR)	1,835	11 (5-15)	11 (6-15)	11 (7-15)	9 (4-14)	10 (6-15)	11 (5-15)	11 (6-16)	0.077	
Missing data	275	13%								
<b>Hemoglobin</b>										
<8g/dL	321	18%	19%	13%	19%	19%	21%	20%	0.095	
≥8g/dL	1,438	82%	81%	87%	81%	81%	79%	80%		
Missing data	351	17%								
<b>Prescribed Co-trimoxazole</b>										
Yes	1,239	59%	59%	36%	52%	58%	67%	65%	<0.001	
No	871	41%	41%	64%	48%	42%	33%	35%		
<b>Appropriate Regimen**</b>										
Appropriate Regimen	1,969	93%	93%	96%	93%	92%	92%	95%	0.946	
Sub-optimal Regimen	134	6%	7%	4%	7%	8%	8%	5%		
Missing data	7	0%								

Abbreviations: BCG, Bacillus Calmette Guerin; WHO, World Health Organization; TB, tuberculosis; IQR, inter-quartile range

\*Yellow fever, measles, and combination diphtheria-tetanus-pertussis-polio-hepatitis B (DTPPH) schedule

\*\*Inappropriate regimens included: efavirenz-containing regimens for children <3 at ART initiation (n=106), potentially toxic regimens (i.e. those containing D4T and AZT or D4T and DDI) (n=12), regimens containing efavirenz or nevirapine for children with HIV-2 or dual HIV1&2 infection (n=8), and mono- or dual-therapy (n=8).