Table

Supplemental Table 1. Rates of Progression to Higher APRI and FIB-4 Levels among HIV Infected Youth During Follow-up

Marker Threshold	CD4 Level	# with progression/ # at risk	Person -years	Incidence Rate per 100 p-year	Incidence Rate Ratio vs Higher CD4 Level	P-value
APRI > 0.5	Overall	176/1116	2347	7.5 (5.4, 8.7)	---	---
	<350	71/275	571	12.4 (9.8, 15.7)	2.14 (1.58, 2.90)	<0.001
	≥350	101/823	1742	5.8 (4.8, 7.0)	1.00 (ref)	---
APRI > 1.5	Overall	39/1256	2823	1.4 (1.0, 1.9)	---	---
	<350	23/344	790	2.9 (1.9, 4.4)	3.62 (1.91, 6.85)	<0.001
	≥350	16/891	1991	0.8 (0.5, 1.3)	1.00 (ref)	---
FIB-4 > 1.5	Overall	46/1257	2822	1.6 (1.2, 2.2)	---	---
	<350	28/348	797	3.5 (2.5, 4.1)	3.87 (2.14, 7.00)	<0.001
	≥350	18/888	1984	0.9 (0.6, 1.4)	1.00 (ref)	---
FIB-4 > 3.25	Overall	9/1266	2871	0.3 (0.2, 0.6)	---	---
	<350	6/350	819	0.7 (0.3, 1.6)	7.35 (1.48, 36.42)	0.014
	≥350	2/894	2007	0.1 (0.0, 0.4)	1.00 (ref)	---

Supplemental Table 2. Cox proportional hazards models for risk of AIDS progression or death by levels of liver biomarkers at first assessment when aged 15 to 20 years

Liver Biomarker	Unadjusted Models*		Adjusted Model**	
	HR (95% CI)	P-value	HR (95% CI)	P-value
FIB-4 categories				
0-0.3	1.00 (ref)	---	1.00 (ref)	---
0.3-0.4	1.12 (0.55, 2.29)	0.76	0.90 (0.41, 1.99)	0.80
0.4-0.5	1.44 (0.69, 3.02)	0.34	0.88 (0.39, 1.97)	0.76
>0.5	2.41 (1.28, 4.51)	0.006	1.23 (0.62, 2.45)	0.56
p, Trend		0.002		0.49
Log(FIB-4)	2.26 (1.50, 3.41)	<0.001	1.17 (0.66, 2.08)	0.58
APRI categories				
0-0.15	1.00 (ref)	---		---
0.15-0.25	1.05 (0.44, 2.50)	0.91	0.72 (0.29, 1.77)	0.47
0.25-0.35	1.43 (0.60, 3.43)	0.42	0.80 (0.32, 2.00)	0.64
>0.35	2.56 (1.13, 5.79)	0.025	1.00 (0.42, 2.35)	0.99
p, Trend		0.001		0.60
Log(APRI)	1.88 (1.39, 2.55)	<0.001	1.19 (0.78, 1.83)	0.42

HR=hazard ratio, CI=confidence interval

*Two separate models were fit for each liver biomarker, to evaluate trends in risk with increasing levels of liver biomarkers (categories) and to evaluate trends with each 1 unit increase in log-transformed biomarker.
**Adjusted models include BMI Z-score, low CD4 count, high viral load, and treatment with HAART including a protease inhibitor.