



# THE EVALUATION OF UNPLUGGED IN NIGERIA

## 1. Report on baseline survey: participation

Thirty-two schools and 96 classes were enrolled in the study. Considering approximately 45 pupils per class on average, 4320 questionnaires were expected (Table 1).

All the enrolled schools and classes participated in the baseline survey. However, a certain level of drop-out was observed among pupils especially in the intervention arm: only 1787 questionnaires (82.7%) out of 2160 expected were collected. In North West zone the drop-out rate was higher than 30%.

**Table 1. Schools and classes enrolled in the study and participants in the baseline survey**

Study arm	Zone	Enrolled in the study			Baseline participants (analysis sample)					
		schools	classes	Pupils	schools	%	classes	%	pupils	%
Control	North Central	2	6	270	2	100.0	6	100.0	288	106.7
	FCT	1	3	135	1	100.0	3	100.0	146	108.2
	North East	2	6	270	2	100.0	6	100.0	298	110.4
	North West	3	9	405	3	100.0	9	100.0	386	95.3
	South East	2	6	270	2	100.0	6	100.0	322	119.3
	South South	2	6	270	2	100.0	6	100.0	290	107.4
	South West	3	9	405	3	100.0	9	100.0	402	99.3
	Lagos	1	3	135	1	100.0	3	100.0	156	115.6
	<b>Total</b>	<b>16</b>	<b>48</b>	<b>2160</b>	<b>16</b>	<b>100.0</b>	<b>48</b>	<b>100.0</b>	<b>2288</b>	<b>105.9</b>
Intervention	North Central	2	6	270	2	100.0	6	100.0	244	90.4
	FCT	1	3	135	1	100.0	3	100.0	129	95.6
	North East	2	6	270	2	100.0	6	100.0	211	78.2
	North West	3	9	405	3	100.0	9	100.0	279	68.9
	South East	2	6	270	2	100.0	6	100.0	241	89.3
	South South	2	6	270	2	100.0	6	100.0	239	88.5
	South West	3	9	405	3	100.0	9	100.0	313	77.3
	Lagos	1	3	135	1	100.0	3	100.0	131	97.0
	<b>Total</b>	<b>16</b>	<b>48</b>	<b>2160</b>	<b>16</b>	<b>100.0</b>	<b>48</b>	<b>100.0</b>	<b>1787</b>	<b>82.7</b>
<b>Total</b>	<b>32</b>	<b>96</b>	<b>4320</b>	<b>32</b>	<b>100.0</b>	<b>96</b>	<b>100.0</b>	<b>4075</b>	<b>94.3</b>	

## **2. Report on baseline survey: stratification BY GENDER**

### **2.1. General characteristics of pupils participating in the survey**

Four-thousand-seventy-five pupils filled the questionnaire; of them, only 32.1% were females (Table 2). Consequently, females are under-represented in this study: since the survey took place at school, this can indicate that females are under-represented in the school population of Nigeria and/or that they dropped-out from the study more than males.

The large majority of pupils had 14 or 15 years when filling the baseline questionnaire (63.4%).

The sample included good subsamples of pupils per each zone of the country. All the zones are well represented in the study.

The majority of pupils lived with both parents (56.9%), whilst only 7.5% lived with just one parent and 34.6% with other people.

About 20% of families did not have any car, and the same proportion did not have any computer at home. More than 50% of families had two or more computers. However, this proportion is higher for boys than for girls (52.8% vs 45.8%).

Both males (49.6%) and females (49.9%) had high grades at school in the previous year, but more males (5.3%) than females (2.6%) had low grades. More females (94.7%) than males (86.0%) declared to like the school.

**Table 2. General characteristics of pupils by gender**

Characteristic	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>Age</b>						
10-13 years	298	11.0	267	20.4	<b>570</b>	<b>14.0</b>
14 years	875	32.4	548	41.9	<b>1443</b>	<b>35.4</b>
15 years	785	29.0	112	26.1	<b>1141</b>	<b>28.0</b>
16-20 years	746	27.6	152	11.6	<b>421</b>	<b>22.6</b>
<b>Zone</b>						
North Central	314	7.7	210	5.2	<b>532</b>	<b>13.1</b>
Federal Country Territory	217	5.3	54	1.3	<b>275</b>	<b>6.8</b>
North East	320	7.9	172	4.2	<b>509</b>	<b>12.5</b>
North West	528	12.9	126	3.1	<b>665</b>	<b>16.3</b>
South East	372	9.1	188	4.6	<b>563</b>	<b>13.8</b>
South South	300	7.4	218	5.4	<b>529</b>	<b>13.0</b>
South West	444	10.9	266	6.5	<b>715</b>	<b>17.6</b>
Lagos	209	5.1	75	1.8	<b>287</b>	<b>7.0</b>
<b>Family composition</b>						
Living with both parents	1526	56.4	762	58.2	<b>2319</b>	<b>56.9</b>
Living with just one parent	193	7.1	108	8.3	<b>306</b>	<b>7.5</b>
Other	955	35.3	432	33.0	<b>1408</b>	<b>34.6</b>
Unknown	30	1.1	7	0.5	<b>42</b>	<b>1.0</b>
<b>Car or van</b>						
None	516	19.1	293	22.4	<b>816</b>	<b>20.0</b>
One family car or van	1130	41.8	593	45.3	<b>1754</b>	<b>43.0</b>
Two or more	1032	38.2	410	31.3	<b>1458</b>	<b>35.8</b>
<b>Computers</b>						
None	509	18.8	291	22.2	<b>810</b>	<b>19.9</b>
One	740	27.4	406	31.0	<b>1162</b>	<b>28.5</b>
Two	502	18.6	264	20.2	<b>776</b>	<b>19.0</b>
More than two	924	34.2	335	25.6	<b>1275</b>	<b>31.3</b>
<b>Grade during last school year (self-declared)</b>						
High	1340	49.6	653	49.9	<b>2019</b>	<b>49.6</b>
Medium	1165	43.1	597	45.6	<b>1792</b>	<b>44.0</b>
Low	143	5.3	34	2.6	<b>180</b>	<b>4.4</b>
<b>Feeling about school at present</b>						
I like it	2326	86.0	1200	94.7	<b>3575</b>	<b>87.7</b>

## **2.2. Substance use behaviours and intentions**

About 5% of pupils smoked at least a cigarette in their life; with strong gender differences between males (6.4%) and female (1.3%) (Table 3).

As regards alcohol, about 32% of pupils drank in their life; again the prevalence was higher among males than females (34.5% vs 24.1%).

Also drunkenness episodes had higher prevalence among males (14.4%) than in females (10.2%). About 7.4% of pupils used cannabis in their lifetime, with a double prevalence in males (8.3%) than females (4.7%), and 11.7% used other drugs: also in this case males used more than females.

Only 2% of pupils smoked cigarettes in the last 30 days, whilst 12% drank, 5% got drunk, 2% used cannabis and 4% other drugs. Again, behaviours in the last 30 days indicated a higher prevalence of use among males. As regard daily use, about 0.5% of pupils used cigarettes every day, and 2% used alcohol. Regular drunkenness in the last 30 days was declared by 3.6% of pupils, regular use of cannabis by 1.4% and regular use of other drugs by 2.3%.

About 5% of pupils declared the intention to use tobacco or cannabis in the next year, 15% declared they will drink alcohol and 7.5% they will get drunk. About 5% declared they will use cannabis or other drugs. Except for drinking alcohol, no gender differences in the intention of use were detected.

**Table 3. Substance use behaviours of pupils by gender\***

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>Behaviours during lifetime</b>						
ALO cigarettes use	173	6.4	17	1.3	<b>196</b>	<b>4.8</b>
ALO drinking	986	34.5	315	24.1	<b>1319</b>	<b>32.4</b>
ALO drunkenness	390	14.4	133	10.2	<b>531</b>	<b>13.0</b>
ALO cannabis use	225	8.3	61	4.7	<b>302</b>	<b>7.4</b>
ALO other drugs use	352	13.0	106	8.1	<b>478</b>	<b>11.7</b>
<b>Behaviours in the last 30 days</b>						
ALO cigarettes use	77	2.9	12	0.9	<b>92</b>	<b>2.3</b>
Regular cigarettes use	35	1.3	3	0.2	<b>40</b>	<b>1.0</b>
Daily cigarettes use	17	0.6	2	0.2	<b>19</b>	<b>0.5</b>
ALO drinking	372	13.8	111	8.5	<b>491</b>	<b>12.1</b>
Regular drinking	188	7.0	38	2.9	<b>232</b>	<b>5.7</b>
Daily drinking	73	2.7	9	0.7	<b>85</b>	<b>2.1</b>
ALO drunkenness	152	5.6	47	3.6	<b>204</b>	<b>5.0</b>
Regular drunkenness	109	4.0	33	2.5	<b>147</b>	<b>3.6</b>
ALO cannabis use	70	2.6	13	1.0	<b>93</b>	<b>2.3</b>
Regular cannabis use	41	1.5	9	0.7	<b>57</b>	<b>1.4</b>
ALO other drug use	115	4.3	36	2.8	<b>161</b>	<b>4.0</b>
Regular drug use	71	2.6	17	1.3	<b>95</b>	<b>2.3</b>
<b>Intentions to use in the next year</b>						
Cigarettes	144	5.3	67	5.1	<b>218</b>	<b>5.4</b>
Alcohol	435	16.1	153	11.7	<b>602</b>	<b>14.8</b>
Get drunk	207	7.7	86	6.6	<b>302</b>	<b>7.4</b>
Cannabis	119	4.4	58	4.4	<b>182</b>	<b>4.5</b>
Other illicit drugs	150	5.6	78	6.0	<b>239</b>	<b>5.9</b>

\* ALO=At Least Once; Regular cigarettes and drinking=6 or more; Regular drunkenness, cannabis and drugs=3 or more; Daily cigarettes and drinking=20 or more.

### 2.3. Knowledge, beliefs, attitudes and risk perceptions

The rate of correct answers to the questions on knowledge was quite low, especially for the relationship between nicotine and lung cancer (only 4.6% of males and 2.7% of females answered correctly) (Table 4). About 42% of males and 45% of females answered correctly to the question on addiction to tobacco. As regards alcohol, the proportion of pupils answering correctly was 60.3% for the question on gender differences on tolerance and 15.1% for that on permanence of alcohol in the body. About 48% of pupils answered correctly to the questions on cannabis dependence and 40% on cannabis consumption consequences. The scores of exact answers appeared to be quite low in both sex for all the substances: in particular pupils appear to be scarcely informed on tobacco.

The score on negative beliefs about smoking cigarettes had a mean level under 2.5 but not very much lower, indicating a mid perception of negative consequences of use, similarly to the score of negative beliefs about drinking alcohol (Table 5). This is coherent to the results of the single items: in case of tobacco and alcohol, about half of the pupils declared the risk for most of the items, and only the item of “get into troubles with police”, “have money problems” and “have problems finding work” showed a proportion of pupils perceiving that risk lower than 50%. Males had a lower risk perception in all the item investigated.

The scores on negative beliefs about marijuana use and negative attitudes towards drugs had a mean level around 2 indicating good perceptions of the negative aspects related to use (Table 6). In fact, when looking at the single items, the majority of pupils approved the negative statements, except for the item “many things are much more risky than trying drugs”.

When looking at the perception of positive consequences of use, the scores for cigarettes, alcohol and marijuana approximate the value of 2 indicating a low perception of benefits following the use. Also the score and the items of positive attitudes towards drugs indicated a low level of risk (a low level of positive attitudes).

All the scores on beliefs and attitudes were more protective for females.

Risk perceptions on cigarettes, alcohol and drug use are described in Table 7. It is to be noted that a proportion between 5.5% and 16.7% of pupils answered “I don’t know” to these questions. This identifies a need to be correctly informed.

On the other side, 13% of pupils declared no risk or slight risk if one smokes one or more packs of cigarettes per day, 15% declared no risk or slight risk if one drinks alcohol every day, 8% if one smokes marijuana regularly, and 31% if one use other drugs occasionally. Also in this case males have a lower risk perception. These are incorrect risk perceptions that need to be corrected.

**Table 4. Knowledge on cigarettes, alcohol and drug use by gender**

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>Nicotine is the substance in cigarettes that causes lung cancer</b>						
Yes	1605	59.4	740	56.5	<b>2381</b>	<b>58.4</b>
No (correct)	123	4.6	35	2.7	<b>160</b>	<b>3.9</b>
Don't know	901	33.3	503	38.4	<b>1424</b>	<b>34.9</b>
<b>One needs to smoke several cigarettes per day during many years to become addicted</b>						
Yes	1081	40.0	489	37.4	<b>1591</b>	<b>39.0</b>
No (correct)	1142	42.2	589	45.0	<b>1759</b>	<b>43.2</b>
Don't know	428	15.8	214	16.4	<b>651</b>	<b>16.0</b>
<b>Women have lower tolerance to alcohol than men</b>						
Yes (correct)	1592	58.9	832	63.6	<b>2459</b>	<b>60.3</b>
No	491	18.2	196	15.0	<b>700</b>	<b>17.2</b>
Don't know	556	20.6	259	19.8	<b>826</b>	<b>20.3</b>
<b>It takes about half an hour to eliminate from the body the amount of alcohol contained in a can of strong beer</b>						
Yes	920	34.0	450	34.4	<b>1398</b>	<b>34.3</b>
No (correct)	454	16.8	154	11.8	<b>615</b>	<b>15.1</b>
Don't know	1265	46.8	684	52.3	<b>1971</b>	<b>48.4</b>
<b>Smoking marijuana does not cause physical dependence</b>						
Yes	548	20.3	243	18.6	<b>807</b>	<b>19.8</b>
No (correct)	1268	46.9	644	49.2	<b>1943</b>	<b>47.7</b>
Don't know	828	30.6	396	30.3	<b>1235</b>	<b>30.3</b>
<b>High consumption of marijuana decreases the production of sexual hormones</b>						
Yes (correct)	1088	40.2	495	37.8	<b>1614</b>	<b>39.6</b>
No	394	14.6	193	14.8	<b>597</b>	<b>14.7</b>
Don't know	1156	42.8	600	45.8	<b>1772</b>	<b>43.5</b>
<b>Score of exact answers (0-2): cigarettes mean ± DS</b>						
0.47 ± 0.55						
<b>Score of exact answers (0-2): alcohol mean ± DS</b>						
0.77 ± 0.62						
<b>Score of exact answers (0-2): cannabis mean ± DS</b>						
0.89 ± 0.75						
<b>Score of exact answers (0-6): overall mean ± DS</b>						
2.11 ± 1.20						
<b>Score of exact answers (0-6): overall mean ± DS</b>						
2.10 ± 1.16						
<b>Score of exact answers (0-6): overall mean ± DS</b>						
2.11 ± 1.19						

**Table 5. Beliefs on consequences of tobacco and alcohol use by gender**

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>TOBACCO USE</b>						
<b>Negative beliefs: I will...</b>						
Get into trouble with police	1267	46.9	678	51.8	<b>1976</b>	<b>48.5</b>
Do badly in school	1555	57.5	806	61.6	<b>2388</b>	<b>58.6</b>
Get into trouble with parents	1652	61.1	830	63.4	<b>2507</b>	<b>61.5</b>
Be expelled from school	1489	55.1	763	58.3	<b>2279</b>	<b>55.9</b>
Have problems with my friends	1477	54.6	772	59.0	<b>2276</b>	<b>55.9</b>
Become an addict	1533	56.7	777	59.4	<b>2343</b>	<b>57.5</b>
Have money problems	1262	46.7	647	49.4	<b>1935</b>	<b>47.5</b>
Have problems finding work	1337	49.5	677	51.7	<b>2035</b>	<b>49.9</b>
<b>Score on negative beliefs (1-4: higher score higher risk): mean ± DS</b>	2.36 ± 0.96		2.27 ± 0.96		<b>2.33 ± 0.96</b>	
<b>Positive beliefs: I will...</b>						
Have more friends	881	32.6	372	28.4	<b>1281</b>	<b>31.4</b>
Feel more relaxed	748	27.7	322	24.6	<b>1094</b>	<b>26.9</b>
Have more fun	887	32.8	389	29.7	<b>1304</b>	<b>32.0</b>
Be more popular	1028	38.0	427	32.6	<b>1485</b>	<b>36.4</b>
Forget my troubles	961	35.5	393	30.0	<b>1381</b>	<b>33.9</b>
Be more confident and outgoing	992	36.7	389	29.7	<b>1409</b>	<b>34.6</b>
<b>Score on positive beliefs (1-4: higher score higher risk): mean ± DS</b>	2.15 ± 0.85		2.02 ± 0.85		<b>2.12 ± 0.86</b>	
<b>ALCOHOL USE</b>						
<b>Negative beliefs: I will...</b>						
Get into trouble with police	1314	48.59	683	52.2	<b>2021</b>	<b>49.6</b>
Do badly in school	1612	59.62	821	62.7	<b>2458</b>	<b>60.3</b>
Get into trouble with parents	1694	62.65	865	66.1	<b>2589</b>	<b>63.5</b>
Be expelled from school	1477	54.62	759	58.0	<b>2262</b>	<b>55.5</b>
Have problems with my friends	1430	52.88	756	57.8	<b>2215</b>	<b>54.4</b>
Become an addict	1491	55.14	803	61.3	<b>2324</b>	<b>57.0</b>
Have money problems	1310	48.45	676	51.6	<b>2014</b>	<b>49.4</b>
Have problems finding work	1321	48.85	687	52.5	<b>2034</b>	<b>49.9</b>
<b>Score on negative beliefs (1-4: higher score higher risk): mean ± DS</b>	2.36 ± 0.98		2.25 ± 0.96		<b>2.32 ± 0.98</b>	
<b>Positive beliefs: I will...</b>						
Have more friends	892	32.99	348	29.6	<b>1267</b>	<b>31.1</b>
Feel more relaxed	845	31.25	345	26.4	<b>1212</b>	<b>29.7</b>
Have more fun	916	33.88	386	29.5	<b>1327</b>	<b>32.6</b>
Be more popular	966	35.72	427	32.6	<b>1422</b>	<b>34.9</b>
Forget my troubles	937	34.65	394	30.1	<b>1363</b>	<b>33.5</b>
Be more confident and outgoing	921	34.06	368	28.1	<b>1314</b>	<b>32.3</b>
<b>Score on positive beliefs (1-4: higher score higher risk): mean ± DS</b>	2.16 ± 0.86		2.03 ± 0.85		<b>2.12 ± 0.86</b>	



**Table 6. Beliefs on consequences of use and attitudes towards marijuana or other drugs by gender**

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>Negative beliefs: I will...</b>						
Get into trouble with police	1661	61.4	851	65.0	<b>2545</b>	<b>62.5</b>
Do badly in school	1740	64.4	872	66.6	<b>2642</b>	<b>64.8</b>
Get into trouble with parents	1755	64.9	888	67.8	<b>2671</b>	<b>65.6</b>
Be expelled from school	1667	61.7	839	64.1	<b>2534</b>	<b>62.2</b>
Have problems with my friends	1600	59.2	802	61.3	<b>2431</b>	<b>59.7</b>
Become an addict	1627	60.2	839	64.1	<b>2497</b>	<b>61.3</b>
Have money problems	1430	52.9	709	54.2	<b>2164</b>	<b>53.1</b>
Have problems finding work	1474	54.5	735	56.2	<b>2233</b>	<b>54.8</b>
<b>Score on negative beliefs (1-4: higher score higher risk): mean <math>\pm</math>DS</b>	<b>2.19 <math>\pm</math> 1.06</b>		<b>2.12 <math>\pm</math> 1.02</b>		<b>2.17 <math>\pm</math> 1.05</b>	
<b>Positive beliefs: I will...</b>						
Have more friends	860	31.8	374	28.6	<b>1261</b>	<b>30.9</b>
Feel more relaxed	813	30.1	340	26.0	<b>1174</b>	<b>28.8</b>
Have more fun	837	31.0	387	29.6	<b>1254</b>	<b>30.8</b>
Be more popular	938	34.7	396	30.3	<b>1362</b>	<b>33.4</b>
Forget my troubles	917	33.9	366	28.0	<b>1310</b>	<b>32.2</b>
Be more confident and outgoing	920	34.0	353	27.0	<b>1304</b>	<b>32.0</b>
<b>Score on positive beliefs (1-4: higher score higher risk): mean <math>\pm</math>DS</b>	<b>2.12 <math>\pm</math> 0.89</b>		<b>2.00 <math>\pm</math> 0.87</b>		<b>2.09 <math>\pm</math> 0.89</b>	
<b>Negative attitudes:</b>						
A young person should never try drugs	2025	74.89	1006	76.9	<b>3075</b>	<b>75.5</b>
Everyone who tries drugs eventually regrets it	2043	75.55	1043	79.7	<b>3130</b>	<b>76.8</b>
The laws about drugs should be made stronger	2290	84.69	1123	85.8	<b>3463</b>	<b>85.0</b>
Drug use is one of the biggest evils in the country	2032	75.15	1014	77.5	<b>3086</b>	<b>75.7</b>
Schools should teach about the real hazards of taking drugs	2267	83.84	1131	86.4	<b>3448</b>	<b>84.6</b>
To experiment with drugs is to give away control of your life	1696	62.75	773	59.1	<b>2506</b>	<b>61.5</b>
<b>Score on negative attitudes (1-4: higher score higher risk): mean <math>\pm</math>DS</b>	<b>1.95 <math>\pm</math> 0.59</b>		<b>1.84 <math>\pm</math> 0.54</b>		<b>1.92 <math>\pm</math> 0.58</b>	
<b>Positive attitudes:</b>						
Using drugs can be a pleasant activity	655	24.2	219	16.7	<b>887</b>	<b>21.8</b>
Using drugs is fun	359	13.3	119	9.1	<b>498</b>	<b>12.2</b>
Many things are much more risky than trying drugs	1443	53.4	697	53.3	<b>2171</b>	<b>53.3</b>
Drugs help people to have experience life in full	557	21.3	261	19.9	<b>854</b>	<b>21.0</b>
The police should not be annoying young people trying drugs	513	19.0	198	15.1	<b>732</b>	<b>18.0</b>
<b>Score on positive attitudes (1-4: higher score higher risk): mean <math>\pm</math>DS</b>	<b>1.79 <math>\pm</math> 0.61</b>		<b>1.75 <math>\pm</math> 0.59</b>		<b>1.78 <math>\pm</math> 0.61</b>	

**Table 7. Risk perceptions on cigarettes, alcohol and drug use by gender**

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>Smoke cigarettes occasionally</b>						
Great risk	1701	62.9	924	70.6	<b>2660</b>	<b>65.3</b>
Slight risk	578	21.4	219	16.7	<b>807</b>	<b>19.8</b>
No risk	160	5.9	39	3.0	<b>206</b>	<b>5.1</b>
Don't know	213	7.9	106	8.1	<b>325</b>	<b>8.0</b>
<b>Smoke one or more packs of cigarettes per day</b>						
Great risk	2101	77.7	1061	81.1	<b>3200</b>	<b>78.5</b>
Slight risk	276	10.2	117	8.9	<b>402</b>	<b>9.9</b>
No risk	92	3.4	34	2.6	<b>134</b>	<b>3.3</b>
Don't know	177	6.6	71	5.4	<b>251</b>	<b>6.2</b>
<b>Have one or two drinks nearly each week</b>						
Great risk	479	17.7	268	20.5	<b>754</b>	<b>18.5</b>
Slight risk	1275	47.2	666	50.9	<b>1971</b>	<b>48.4</b>
No risk	586	21.7	198	15.1	<b>799</b>	<b>19.6</b>
Don't know	295	10.9	144	11.0	<b>445</b>	<b>10.9</b>
<b>Drink alcohol every day</b>						
Great risk	2054	76.0	1057	80.8	<b>3151</b>	<b>77.3</b>
Slight risk	323	12.0	114	8.7	<b>447</b>	<b>11.0</b>
No risk	107	4.0	52	4.0	<b>167</b>	<b>4.1</b>
Don't know	161	6.0	63	4.8	<b>225</b>	<b>5.5</b>
<b>Smoke marijuana regularly</b>						
Great risk	2216	82.0	1126	86.0	<b>3383</b>	<b>83.0</b>
Slight risk	137	5.1	36	2.8	<b>178</b>	<b>4.4</b>
No risk	99	3.7	35	2.7	<b>144</b>	<b>3.5</b>
Don't know	182	6.7	85	6.5	<b>269</b>	<b>6.6</b>
<b>Use other drugs occasionally</b>						
Great risk	1336	49.4	692	52.9	<b>2053</b>	<b>50.4</b>
Slight risk	652	24.1	291	22.2	<b>961</b>	<b>23.6</b>
No risk	200	7.4	89	6.8	<b>297</b>	<b>7.3</b>
Don't know	454	16.8	214	16.4	<b>675</b>	<b>16.6</b>

## 2.4. Personal skills

The score on positive self-esteem indicated a good level of self-esteem: in fact all the individual items showed a large proportion of pupils answering positively to the questions (Table 8).

On the other side, however, the negative self-esteem score had a mean of 2.5, indicating a borderline level of bad self-esteem: when looking at the single negative items, in fact, more than 60% of pupils answered to agree on the negative statements for the items “I feel I do not have much to be proud of” and “I wish I could have more respect for myself” and almost 50% agree on “At times I think I am no good at all”.

The positive indicator of decision making skills showed a good level of the ability to take decisions, with high proportions of pupils declaring rationality in taking decisions in the single items.

However, the negative indicator of decision making skills is 2.4, indicating a borderline level of bad decision making ability: a high proportion of pupils answered positively to the negative statements.

The three statements measuring refusal skills and the overall score showed a very low proportion of pupils accepting to use cannabis, tobacco and alcohol offered by friends (only 9.4% for cannabis, 8.4% for tobacco and 15.5% for alcohol). Also the overall score indicated good refusal abilities. Females are more likely to refuse than males.

Also the items measuring communication skills and the overall score showed good communication skills in this sample of Nigerian pupils, without gender differences.

**Table 8. Self-esteem, decision making, refusal skills and communication skills by gender**

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>SELF-ESTEEM</b>						
<b>Positive</b>						
I feel that I have a number of good qualities	2507	92.7	1219	93.1	<b>3780</b>	<b>92.8</b>
I am able to do things as well as most other people	2338	86.5	1155	88.2	<b>3544</b>	<b>87.0</b>
On the whole, I am satisfied with myself	2142	79.2	1078	82.4	<b>3266</b>	<b>80.2</b>
I feel that I'm a valuable person at least at the same level than others	2160	79.9	1083	82.7	<b>3290</b>	<b>80.7</b>
I have a positive attitude toward myself	2241	82.9	1096	83.7	<b>3385</b>	<b>83.1</b>
<b>Positive self-esteem score (1-4: higher score higher risk): mean ± DS</b>	1.67 ± 0.52		1.64 ± 0.53		<b>1.66 ± 0.53</b>	
<b>Negative</b>						
At times I think I am no good at all	1281	47.4	675	51.6	<b>1987</b>	<b>48.8</b>
I feel I do not have much to be proud of	1652	61.1	822	62.8	<b>2506</b>	<b>61.5</b>
I certainly feel useless at times	1081	40.0	523	40.0	<b>1629</b>	<b>40.0</b>
I wish I could have more respect for myself	2292	84.8	1137	86.9	<b>3477</b>	<b>85.3</b>
All in all, I am inclined to feel that I am a failure	537	19.9	219	16.7	<b>776</b>	<b>19.0</b>
<b>Negative self-esteem score (1-4: higher score higher risk): mean ± DS</b>	2.53 ± 0.58		2.54 ± 0.59		<b>2.53 ± 0.58</b>	
<b>DECISION MAKING</b>						
<b>Good decision making skills</b>						
When I have decided to do something, I always carry it through	2293	84.8	1154	88.2	<b>3496</b>	<b>85.8</b>
I weigh up all the choices before I decide on something	2171	80.3	1061	81.1	<b>3279</b>	<b>80.5</b>
I seldom decide to do something that I later regret	1345	49.7	604	46.1	<b>1979</b>	<b>48.6</b>
When I decide on something it doesn't matter what my friends think	1468	54.3	772	59.0	<b>2275</b>	<b>55.8</b>
<b>Good decision making score (1-4: higher score higher risk): mean ± DS</b>	2.10 ± 0.52		2.07 ± 0.5		<b>2.09 ± 0.53</b>	
<b>Bad decision making skills</b>						
I often make up my mind without thinking of the consequences	1028	38.0	416	31.8	<b>1470</b>	<b>36.1</b>
Sometimes I decide on something "off the top of my head"	1417	52.4	663	50.7	<b>2116</b>	<b>51.9</b>
When I get an idea I often make a decision without thinking	896	33.2	391	29.9	<b>1314</b>	<b>32.6</b>
Sometimes I change my mind about something several times a day	1993	73.7	1001	76.5	<b>3040</b>	<b>74.6</b>
When I decide on something it doesn't matter what my parents think	654	24.2	284	21.7	<b>963</b>	<b>23.6</b>
<b>Bad decision making score (1-4: higher score higher risk): mean ± DS</b>	2.42 ± 0.60		2.37 ± 0.58		<b>2.40 ± 0.59</b>	
<b>REFUSAL SKILLS</b>						
<b>You and the same friend are studying hard for an important test at school the day after. Both of you feel stressed and need to calm down. Your friend suggests a cigarette would help, and offers one. Do you accept?</b>						
Yes	251	9.3	77	5.9	<b>344</b>	<b>8.4</b>
<b>You and your best friend are at a party where you meet new people, and you feel you really want to get to know them. Someone offers you to smoke hash together. Your friend accepts. Do you?</b>						
Yes	284	10.5	83	6.3	<b>381</b>	<b>9.4</b>
<b>The day after, you both pass the test, and feel now it is time to celebrate. You still have some pocket-money left, and the shop is nearby. Would you buy some alcohol (beer, wine) to celebrate?</b>						
Yes	463	17.1	155	11.8	<b>630</b>	<b>15.5</b>
<b>Overall refusal skills score (1-4: higher score higher risk): mean ± DS</b>	1.48 ± 0.69		1.34 ± 0.58		<b>1.44 ± 0.66</b>	
<b>COMMUNICATION SKILLS</b>						
<b>Say something nice to a friend</b>						
Easy	2460	91.0	1232	94.1	<b>3745</b>	<b>91.9</b>
<b>Ask for a favour</b>						
Easy	2181	80.7	1009	77.1	<b>3236</b>	<b>79.4</b>

<b>Show someone that I like him/her</b>							
	Easy	1581	58.5	730	55.8	<b>2348</b>	<b>57.6</b>
<b>Say “no” when someone asks me to do something I do not want to</b>							
	Easy	1677	62.0	825	63.0	<b>2538</b>	<b>62.3</b>
<b>Call for help when I have got problems</b>							
	Easy	2122	78.5	1042	79.6	<b>3212</b>	<b>78.8</b>
<b>Help someone who needs help</b>							
	Easy	2446	90.5	1237	94.5	<b>3736</b>	<b>91.7</b>
<b>Overall communication skills score (1-4: higher score higher risk): mean ± DS</b>						<b>1.78 ± 0.51</b>	<b>1.80 ± 0.51</b>
						<b>1.79 ± 0.51</b>	

## 2.5. Family and friends behaviours and influences

About 3.4% of pupils declared to have at least one parent smoking cigarettes, and 20.7% at least one parent drinking alcohol (Table 9).

The large majority of pupils declared their parents setting clear rules and monitoring pupils' activities, and a good level of support and esteem.

Only 1% of parents allowed the children to smoke cigarettes, 3% did not allow it at home and 92% did not allow it at all.

More than 2% percent of parents allowed the children to drink, and 5% didn't allow it at home, whilst 87% did not allow it at all.

About 6% of pupils declared their siblings smoked cigarettes and 14% drunk alcohol.

Few pupils declared more than half or all their friends smoked cigarettes (2.8%), drunk alcohol (7.4%), got drunk (3.0%), and used marijuana or other drugs (2.2%) (Table 10). The proportion of pupils declaring to have no friends at all performing that behaviour was higher in case of marijuana or other drugs (77.4%, 82.7% of females and 75.1% of males), followed by cigarettes (75.2%), drunkenness (72.4%) and finally drinking alcohol (65.6%).

As regards the perception of friends' approval, gender differences must be noted. A higher proportion of females than males declared their friends would disapprove and stop being friends if they found out that the pupil performed that behaviour for all the substances: cigarette smoking (63.0% vs 57.8%), alcohol drinking (51.3% vs 47.8%), and marijuana use (71.7% vs 69.3%).

Almost 76% of pupils declared to get easily support from their best friend.

About 42% of pupils declared that among their peers nobody smoked cigarettes and got drunk, almost 38% that nobody drunk alcohol and about 49% that nobody used marijuana. These proportions are very different from that declared as regards their friends, so the perception of peer use is stronger and the two questions have actually different meaning as indicators of peer pressure to use.

An higher proportion of boys than girls declared their friends did not like school (5.5% vs 2.9%).

More girls than boys declared their friends got high school grades (66.5% vs 60.5%).

The large majority of pupils answered positively to the items measuring class climate, and the overall score indicated a good class climate.

Few pupils declared to have had behavioural problems due to alcohol or drugs: in all cases the proportion was higher among boys (Table 11).

**Table 9. Family behaviors and permissiveness by gender**

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>PARENTS</b>						
<b>Does any of your parents smoke cigarettes</b>						
Yes	107	4.0	27	2.1	<b>137</b>	<b>3.4</b>
<b>Does any of your parents drink alcoholic beverages</b>						
Yes	584	21.6	252	19.3	<b>843</b>	<b>20.7</b>
<b>Parenting, rules and monitoring</b>						
My parents set clear rules (indicated who agree with)	2527	93.5	1227	93.7	<b>3808</b>	<b>93.5</b>
My parents know where I am in the evenings	2233	82.6	1118	85.4	<b>3404</b>	<b>83.5</b>
<b>Parental monitoring score (1-4: higher score higher risk): mean ± DS</b>	1.58 ± 0.60		1.54 ± 0.60		<b>1.57 ± 0.60</b>	
I can easily get support from my father and/or mother	2041	75.5	1012	77.3	<b>3103</b>	<b>76.2</b>
It is very important for me not to disappoint my parents	2382	88.1	1196	91.4	<b>3629</b>	<b>89.1</b>
<b>If you wanted to smoke, your father and mother..</b>						
Wouldn't allow at all	2460	91.0	1230	94.0	<b>3735</b>	<b>91.7</b>
Wouldn't allow drinking at home	94	3.5	32	2.4	<b>132</b>	<b>3.2</b>
Would allow	29	1.1	11	0.8	<b>41</b>	<b>1.0</b>
Don't know	82	3.0	25	1.9	<b>112</b>	<b>2.8</b>
<b>If you wanted to drink alcohol, your father and mother..</b>						
Wouldn't allow at all	2324	86.0	1173	89.6	<b>3544</b>	<b>87.0</b>
Wouldn't allow drinking at home	145	5.4	52	4.0	<b>201</b>	<b>4.9</b>
Would allow	68	2.5	29	2.2	<b>99</b>	<b>2.4</b>
Don't know	130	4.8	41	3.1	<b>177</b>	<b>4.3</b>
<b>SIBLINGS</b>						
Smoke cigarettes	174	6.4	54	4.1	<b>236</b>	<b>5.8</b>
Drink alcohol	404	14.9	158	12.1	<b>573</b>	<b>14.1</b>

**Table 10. Friends and peers' behaviors and influences by gender**

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>FRIENDS</b>						
<b>How many of them smoke cigarettes?</b>						
None	1950	72.1	1072	81.9	<b>3066</b>	<b>75.2</b>
Less than half	128	4.7	30	2.3	<b>161</b>	<b>4.0</b>
About half	52	1.9	15	1.2	<b>70</b>	<b>1.7</b>
More than half	44	1.6	11	0.8	<b>58</b>	<b>1.4</b>
All of them	44	1.6	11	0.8	<b>55</b>	<b>1.4</b>
Don't know	429	15.9	152	11.6	<b>589</b>	<b>14.5</b>
<b>How many of them drink alcohol</b>						
None	1676	62.0	954	72.9	<b>2675</b>	<b>65.6</b>
Less than half	312	11.5	87	6.7	<b>401</b>	<b>9.8</b>
About half	85	3.1	24	1.8	<b>110</b>	<b>2.7</b>
More than half	61	2.3	10	0.8	<b>73</b>	<b>1.8</b>
All of them	53	2.0	13	1.0	<b>66</b>	<b>1.6</b>
Don't know	470	17.4	197	15.1	<b>678</b>	<b>16.6</b>
<b>How many of them get drunk</b>						
None	1880	69.5	1028	78.5	<b>2949</b>	<b>72.4</b>
Less than half	155	5.7	40	3.1	<b>198</b>	<b>4.9</b>
About half	52	1.9	16	1.2	<b>73</b>	<b>1.8</b>
More than half	41	1.5	7	0.5	<b>48</b>	<b>1.2</b>
All of them	56	2.1	17	1.3	<b>74</b>	<b>1.8</b>
Don't know	471	17.4	176	13.5	<b>656</b>	<b>16.1</b>
<b>How many of them use marijuana or other drugs</b>						
None	2030	75.1	1082	82.7	<b>3155</b>	<b>77.4</b>
Less than half	71	2.6	13	1.0	<b>88</b>	<b>2.2</b>
About half	42	1.6	10	0.8	<b>53</b>	<b>1.3</b>
More than half	33	1.2	5	0.4	<b>40</b>	<b>1.0</b>
All of them	39	1.4	11	0.8	<b>50</b>	<b>1.2</b>
Don't know	450	16.6	169	12.9	<b>629</b>	<b>15.4</b>
<b>If they found out that I smoked cigarettes sometimes</b>						
They would approve	158	5.8	35	2.7	<b>199</b>	<b>4.9</b>
They would disapprove but still be my friends	818	30.3	418	31.9	<b>1254</b>	<b>30.8</b>
They would disapprove and stop being my friends	1562	57.8	825	63.0	<b>2419</b>	<b>59.4</b>
They would not care	134	5.0	15	1.2	<b>152</b>	<b>3.7</b>
<b>If they found out that I drank alcohol sometimes</b>						
They would approve	169	6.3	47	3.6	<b>221</b>	<b>5.4</b>
They would disapprove but still be my friends	998	36.9	523	40.0	<b>1540</b>	<b>37.8</b>
They would disapprove and stop being my friends	1293	47.8	672	51.3	<b>1996</b>	<b>49.0</b>
They would not care	203	7.5	49	3.7	<b>254</b>	<b>6.2</b>
<b>If they found out that I used marijuana sometimes</b>						
They would approve	150	5.6	30	2.3	<b>189</b>	<b>4.6</b>
They would disapprove but still be my friends	499	18.5	293	22.4	<b>805</b>	<b>19.8</b>
They would disapprove and stop being my friends	1874	69.3	939	71.7	<b>2848</b>	<b>69.9</b>
They would not care	133	4.9	26	2.0	<b>162</b>	<b>4.0</b>
<b>I can really get support from my best friend</b>	2067	76.4	979	74.8	<b>3093</b>	<b>75.9</b>



<b>PEERS (same age)</b>							
<b>How many of them smoke cigarettes?</b>							
None	1168	43.2	550	42.0	<b>1741</b>	<b>42.7</b>	
Less than half	410	15.2	182	13.9	<b>600</b>	<b>14.7</b>	
About half	303	11.2	162	12.4	<b>470</b>	<b>11.5</b>	
More than half	205	7.6	83	6.3	<b>291</b>	<b>7.1</b>	
All of them	31	1.2	3	0.2	<b>35</b>	<b>0.9</b>	
Don't know	562	20.8	313	23.9	<b>895</b>	<b>22.0</b>	
<b>How many of them drink alcohol</b>							
None	1047	38.7	475	36.3	<b>1546</b>	<b>37.9</b>	
Less than half	456	16.9	204	15.6	<b>667</b>	<b>16.4</b>	
About half	315	11.7	189	14.4	<b>512</b>	<b>12.6</b>	
More than half	235	8.7	106	8.1	<b>343</b>	<b>8.4</b>	
All of them	44	1.6	11	0.7	<b>56</b>	<b>1.4</b>	
Don't know	561	20.8	299	22.8	<b>879</b>	<b>21.6</b>	
<b>How many of them get drunk</b>							
None	1162	43.0	524	40.0	<b>1715</b>	<b>42.1</b>	
Less than half	430	15.9	179	13.7	<b>615</b>	<b>15.1</b>	
About half	272	10.1	175	13.4	<b>450</b>	<b>11.0</b>	
More than half	165	6.1	76	5.8	<b>244</b>	<b>6.0</b>	
All of them	48	1.8	12	0.9	<b>62</b>	<b>1.5</b>	
Don't know	583	21.6	324	24.8	<b>925</b>	<b>22.7</b>	
<b>How many of them use marijuana or other drugs</b>							
None	1356	50.2	602	46.0	<b>1986</b>	<b>48.7</b>	
Less than half	328	12.1	143	10.9	<b>478</b>	<b>11.7</b>	
About half	143	5.3	94	7.2	<b>240</b>	<b>5.9</b>	
More than half	94	3.5	39	3.0	<b>135</b>	<b>3.3</b>	
All of them	30	1.1	11	0.8	<b>41</b>	<b>1.0</b>	
Don't know	710	26.3	399	30.5	<b>1129</b>	<b>27.7</b>	
<b>SCHOOL</b>							
<b>Friends: how many of them like school</b>							
None	149	5.5	38	2.9	<b>192</b>	<b>4.7</b>	
Less than half / about half	476	17.5	192	14.7	<b>674</b>	<b>16.5</b>	
More than half/ all of them	1924	71.2	1000	76.4	<b>2966</b>	<b>72.8</b>	
Don't know	135	5.0	65	5.0	<b>203</b>	<b>5.0</b>	
<b>Friends: how many do well at school</b>							
None	116	4.3	25	1.9	<b>147</b>	<b>3.6</b>	
Less than half / about half	806	29.8	347	26.5	<b>1167</b>	<b>28.6</b>	
More than half/ all of them	1635	60.5	871	66.5	<b>2540</b>	<b>62.3</b>	
Don't know	106	3.9	49	3.7	<b>158</b>	<b>3.9</b>	
<b>Class climate</b>							
The students in my class enjoy being together	2389	88.4	1159	88.5	<b>3603</b>	<b>88.4</b>	
Most of the students in my class are kind and helpful	2187	80.9	1139	87.0	<b>3376</b>	<b>82.9</b>	
Other students accept me as I am	2294	84.8	1128	86.2	<b>3472</b>	<b>85.2</b>	
How I do in school matters a lot to me	2467	91.2	1236	94.4	<b>3759</b>	<b>92.3</b>	
I have great respect for what my teachers tell me	2544	94.1	1263	96.5	<b>3864</b>	<b>94.8</b>	
<b>School climate score (1-4: higher score higher risk): mean ± DS</b>	<b>1.80 ± 0.57</b>		<b>1.77 ± 0.54</b>		<b>1.79 ± 0.56</b>		

**Table 11. Behavioral problems experienced in the last year by gender**

	Male N=2704 (66.4%)		Female N=1309 (32.1%)		Total N=4075 (100.0%)	
	n	%	n	%	n	%
<b>Quarrel or argument</b>						
Because of alcohol use	64	2.4	14	1.1	<b>79</b>	<b>1.9</b>
Because of drug use	30	1.1	10	0.8	<b>40</b>	<b>1.0</b>
Other reason	1336	49.4	712	54.4	<b>2064</b>	<b>50.7</b>
<b>Scuffle or fight</b>						
Because of alcohol use	66	2.4	19	1.5	<b>89</b>	<b>2.2</b>
Because of drug use	44	1.6	10	0.8	<b>54</b>	<b>1.3</b>
Other reason	892	33.0	285	21.8	<b>1190</b>	<b>29.2</b>
<b>Accident or injury</b>						
Because of alcohol use	70	2.6	18	1.4	<b>90</b>	<b>2.2</b>
Because of drug use	39	1.4	15	1.2	<b>56</b>	<b>1.4</b>
Other reason	912	33.9	442	33.8	<b>1367</b>	<b>33.6</b>
<b>Loss of money or other valuable items</b>						
Because of alcohol use	75	2.8	29	2.2	<b>106</b>	<b>2.6</b>
Because of drug use	42	1.6	5	0.4	<b>47</b>	<b>1.2</b>
Other reason	1215	44.9	626	47.8	<b>1853</b>	<b>45.5</b>
<b>Damage to objects or clothing owned</b>						
Because of alcohol use	70	2.6	26	2.0	<b>98</b>	<b>2.4</b>
Because of drug use	55	2.0	6	0.5	<b>62</b>	<b>1.5</b>
Other reason	875	32.4	430	32.9	<b>1314</b>	<b>32.3</b>
<b>Problems in relationship with parents</b>						
Because of alcohol use	62	2.3	18	1.4	<b>82</b>	<b>2.0</b>
Because of drug use	51	1.9	10	0.8	<b>61</b>	<b>1.5</b>
Other reason	375	13.9	187	14.3	<b>566</b>	<b>13.9</b>
<b>Problems in relationship with friends</b>						
Because of alcohol use	61	2.3	20	1.5	<b>85</b>	<b>2.1</b>
Because of drug use	64	2.4	10	0.8	<b>75</b>	<b>1.8</b>
Other reason	857	31.7	504	38.5	<b>1370</b>	<b>33.6</b>
<b>Problems in relationship with teachers</b>						
Because of alcohol use	61	2.3	16	1.2	<b>78</b>	<b>1.9</b>
Because of drug use	47	1.7	8	0.6	<b>57</b>	<b>1.4</b>
Other reason	352	13.0	137	10.5	<b>494</b>	<b>12.1</b>
<b>Performed poorly at school</b>						
Because of alcohol use	46	1.7	11	0.8	<b>59</b>	<b>1.5</b>
Because of drug use	44	1.6	9	0.7	<b>55</b>	<b>1.4</b>
Other reason	335	12.4	159	12.2	<b>498</b>	<b>12.2</b>
<b>Victimized by robbery or theft</b>						
Because of alcohol use	51	1.9	21	1.6	<b>72</b>	<b>1.8</b>
Because of drug use	44	1.6	11	0.8	<b>56</b>	<b>1.4</b>
Other reason	215	8.0	79	6.0	<b>296</b>	<b>7.3</b>
<b>Hospitalised or admitted to an emergency room</b>						
Because of alcohol use	47	1.7	17	1.3	<b>65</b>	<b>1.6</b>
Because of drug use	43	1.6	14	1.1	<b>59</b>	<b>1.5</b>
Other reason	293	10.8	145	11.0	<b>442</b>	<b>10.9</b>
<b>Any problem for alcohol use (score 0-11): mean ± DS</b>	0.25 ± 1.05		0.16 ± 0.91		<b>0.22 ± 1.01</b>	
<b>Any problem for drugs use (score 0-11): mean ± DS</b>	0.19 ± 0.92		0.08 ± 0.52		<b>0.15 ± 0.81</b>	
<b>Any problem for other reasons (score 0-11): mean ± DS</b>	2.83 ± 2.92		2.83 ± 2.67		<b>2.81 ± 2.84</b>	

## **2. Report on baseline survey: stratification BY ZONE**

### **3.1. General characteristics of pupils participating in the survey**

In all federal zones of Nigeria the majority of pupils who participated in the survey were males (Table 12). In North West and in FCT zones about 80% of students were males; the zone where the proportion of females was higher is South South (57% males and 41% females).

In North East and North West the large majority of pupils had 15 years or more when filling the baseline questionnaire (74.3% and 87.0%) whilst in FCT, South South, South West and Lagos most of the students had 14 years old or less.

The majority of pupils lived with both parents, and less than 6% lived with one parent only, except for North East and North West, where this proportion was higher (9.2% and 14.3% respectively). Between 30 and 40% of pupils lived with other people.

In North East 30.3% of families did not have any car, but in general the majority of families had one, except in FCT and Lagos where the majority had two or more cars (50.2% and 48.8%).

In North Central, North East, and South South 30-35% of the families had one computer whilst FCT, North West, South East, South West and Lagos had more than two. In Lagos more than half families had more than two computers (56.8%) and only 7.0% didn't have it.

In all zones pupils had high or medium grades at school in the previous year. The highest percentages of low grades were observed in North West (10.2%), and the lowest in Lagos (0.7%).

In all zones the majority of pupils declared to like the school, even if in North West 18.7% of students didn't like it.

**Table 12. General characteristics of pupils by zone**

Characteristic	North Central N=532		Federal Country Territory N=275		North East N=509		North West N=665		South East N=563		South South N=529		South West N=715		Lagos N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Gender</b>																
Male	314	59.0	217	78.9	320	62.9	528	79.4	372	66.1	300	56.7	444	62.1	209	72.8
Female	210	39.5	54	19.6	172	33.8	126	19.0	188	33.4	218	41.2	266	37.2	75	26.1
<b>Age</b>																
10-12 years	6	1.1	4	1.5	1	0.2	2	0.3	2	0.4	12	2.3	16	2.2	47	1.2
13 years	59	11.1	47	17.1	26	5.1	26	3.9	40	7.1	101	19.1	156	21.8	68	23.7
14 years	161	30.3	120	43.6	104	20.4	59	8.9	254	45.1	227	42.8	357	49.9	161	56.1
15 years	167	31.4	71	25.8	146	28.7	234	35.2	212	37.7	126	23.8	138	19.3	47	16.4
16 years	82	15.4	24	8.7	111	21.8	157	23.6	50	8.9	42	7.9	35	4.9	6	2.1
17 years	44	8.3	6	2.2	84	16.5	128	19.3	4	0.7	17	3.2	12	1.7	1	0.4
18-20 years	13	2.5	3	1.1	37	7.3	59	8.9	1	0.2	4	0.8	1	0.1	0	0.0
<b>Family composition</b>																
Living with both parents	285	53.6	158	57.5	243	47.7	328	49.3	346	61.5	305	57.7	484	67.7	170	59.2
Living with just one parent	32	6.0	12	4.4	47	9.2	95	14.3	30	5.3	31	5.9	43	6.0	16	5.6
Other	206	38.7	105	38.2	213	41.9	224	33.7	184	32.7	190	35.9	186	26.0	100	35.8
Unknown	9	1.7	0	0.0	6	1.2	18	2.7	3	0.5	3	0.6	2	0.3	1	0.4
<b>Car or van</b>																
None	96	18.1	34	12.4	154	30.3	91	13.7	124	22.0	151	28.5	130	18.2	36	12.5
One family car or van	253	47.6	99	36.0	227	44.6	281	42.3	239	42.5	230	43.5	318	44.5	107	37.3
Two or more	173	32.5	138	50.2	122	24.0	280	42.1	195	34.6	146	27.6	264	36.9	140	48.8
<b>Computers</b>																
None	129	24.3	39	14.2	141	27.7	124	18.7	114	20.3	128	24.2	115	16.1	20	7.0
One	155	29.1	61	22.2	166	32.6	173	26.0	168	29.8	187	35.4	202	28.3	50	17.4
Two	110	20.7	54	19.6	93	18.3	151	22.7	103	18.3	81	15.3	130	18.2	54	18.8
More than two	132	24.8	119	43.3	99	19.5	193	29.0	175	31.1	130	24.6	264	36.9	163	56.8
<b>Grade during last school year (self-declared)</b>																
High	216	40.6	124	45.1	261	51.3	319	50.0	326	57.9	306	57.8	353	49.4	114	39.7
Medium	281	52.8	131	47.6	216	42.4	244	36.7	216	38.4	204	38.6	332	46.4	168	58.5
Low	24	4.5	12	4.4	23	4.5	68	10.2	16	2.8	7	1.3	28	3.9	2	0.7
<b>Feeling about school at present</b>																
I like it	479	90.0	233	84.7	445	87.4	517	77.7	520	92.4	483	91.3	639	89.4	259	90.2

### 3.2. Substance use behaviours and intentions

In all the zones alcohol was the most used substance: in Lagos 46.0% of pupils drank at least once during lifetime and 26.8% already got drunk. The lowest proportion, both for drinking and for drunkenness was observed in North East (Table 13).

The proportion of pupils who smoked cigarettes in their life was on overall quite low, except for North West zone (13.1%). Lagos had the lowest proportion of lifetime smokers (1.7%).

The highest prevalence of lifetime drug use was observed in North West (21.1% for cannabis and 26.0% for other drugs) followed by North East (18.7% cannabis and 14.2% other drugs).

Similarly, the last-30-days behaviours showed the highest prevalence of use for all substances in North West zone, followed by North East. The difference with other zones is particularly striking for cigarettes, cannabis and drugs use: 7.7% of pupils smoked cigarettes (3.8% regularly and 1.5% daily) vs 3.5% in North East and 1% or less in all other zones; 7.5% used cannabis (5.4% regularly) vs 3.1% in North East, 2.6% in North Central and less than 1% in the other zones, and 9.8% used other drugs (6.6% regularly) vs 5.7% in North East, 3.6% in North Central and less than 2.5% in the other zones.

As regards alcohol the use ranged between 10% and 15% and drunkenness episodes between 2 and 9% in all zones except FCT where a lower prevalence of use was observed.

As regards tobacco, intentions to use in the next year were quite high when compared with the actual use.

Similarly to what observed above, the highest proportion of pupils who intend to use was observed in North West zone for cigarettes (12.6%), drunkenness (14.3%), marijuana (12.6%) and other illicit drugs (14.9%), followed by North East zone.

The proportion of students who intend to drink is high in all zones, with the highest proportion in Lagos (26.1%).

**Table 13. Substance use behaviours of pupils by zone\***

	North Central		Federal Country Territory		North East		North West		South East		South South		South West		Lagos	
	N=532		N=275		N=509		N=665		N=563		N=529		N=715		N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Behaviours lifetime</b>																
ALO cigarettes use	16	3.0	13	4.7	35	6.9	87	13.2	10	1.8	11	2.1	19	2.7	5	1.7
ALO drinking	147	27.6	88	32.0	128	25.2	206	31.0	196	34.8	179	33.8	243	34.0	132	46.0
ALO drunkenness	47	8.8	22	8.0	40	7.9	87	13.1	95	16.9	65	12.3	98	13.7	77	26.8
ALO cannabis use	40	7.5	8	2.9	72	14.2	140	21.1	6	1.1	11	2.1	18	2.5	7	2.4
ALO other drugs use	62	11.7	18	6.6	95	18.7	173	26.0	29	5.2	35	6.6	46	6.4	20	7.0
<b>Behaviours in the last 30 days</b>																
ALO cigarettes use	5	0.9	3	1.1	18	3.5	51	7.7	2	0.4	3	0.6	8	1.1	2	0.7
Regular cigarettes use	2	0.4	1	0.4	7	1.4	25	3.8	1	0.2	1	0.2	2	0.3	1	0.4
Daily cigarettes use	2	0.4	0	0.0	5	1.0	10	1.5	0	0.0	0	0.0	1	0.1	1	0.4
ALO drinking	78	14.7	20	7.3	66	13.0	102	15.3	68	12.1	55	10.4	61	8.5	41	14.3
Regular drinking	38	7.1	3	1.1	25	4.9	73	11.0	26	4.6	18	3.4	26	3.6	23	8.0
Daily drinking	13	2.4	1	0.4	9	1.8	38	5.7	2	0.4	4	0.8	9	1.3	9	3.1
ALO drunkenness	14	2.6	6	2.2	24	4.7	58	8.7	33	5.9	14	2.3	38	5.3	19	6.6
Regular drunkenness	8	1.5	2	0.7	16	3.1	50	7.5	27	4.8	4	0.8	23	3.2	17	5.9
ALO cannabis use	14	2.6	2	0.7	16	3.1	50	7.5	3	0.5	2	0.4	4	0.6	2	0.7
Regular cannabis use	4	0.8	0	0.0	13	2.6	36	5.4	1	0.2	1	0.2	1	0.1	1	0.4
ALO other drug use	19	3.6	3	1.1	29	5.7	65	9.8	11	2.0	11	2.1	18	2.5	5	1.7
Regular drug use	9	1.7	1	0.4	18	3.5	44	6.6	6	1.1	6	1.1	8	1.1	3	1.1
<b>Intentions to use in the next year</b>																
Cigarettes	24	4.5	9	3.3	41	8.1	84	12.6	16	2.8	20	3.8	18	2.5	6	2.1
Alcohol	51	9.6	46	16.7	63	12.4	95	14.3	90	16.0	69	13.0	113	15.8	75	26.1
Get drunk	740	7.5	17	6.2	48	9.4	95	14.3	22	3.9	23	4.4	32	4.5	25	8.7
Cannabis	18	3.4	4	1.5	33	6.5	84	12.6	14	2.5	11	2.1	13	1.8	5	1.7
Other illicit drugs	24	4.5	10	3.6	46	9.0	99	14.9	16	2.8	19	3.6	19	2.7	6	2.1

\* ALO=At Least Once; Regular cigarettes and drinking=6 or more; Regular drunkenness, cannabis and drugs=3 or more; Daily cigarettes and drinking=20 or more.

### 3.3. Knowledge, beliefs, attitudes and risk perceptions

As regards knowledge on substances, the rate of correct answers was quite low, especially for the question on the relationship between nicotine and lung cancer (minimum in South West zone, where only 2.4% of pupils answered correctly, maximum in Lagos, where 8.0% answered correctly) (Table 14).

Only in South East and South South more than 50% of pupils answered correctly to the question on addiction to tobacco.

Only for the question on gender differences on tolerance of alcohol more than 50% of pupils of all zones answered properly (minimum in North West: 54.1%; maximum in South South: 65.6%).

Less than 20% of pupils answered correctly to the question on permanence of alcohol in the body (minimum in South West: 12.3%, maximum in Lagos: 18.5%).

Only in North Central and North East zones more than 50% of pupils answered correctly to the questions on cannabis dependence.

Pupils of FCT were those with the lowest proportion of exact answers to the question on consequences of cannabis consumption on production of sexual hormones (result confirmed by the score of exact answer on cannabis).

The scores of correct answers appeared to be quite low in all zones for all substances; in particular pupils appear to be scarcely informed on tobacco.

In all zones except North East and North West, the score on negative beliefs about tobacco had a mean level under 2.5 but not very much lower, indicating a mid perception of negative consequences of use, similarly to the score of negative beliefs about drinking alcohol and using marijuana or other drugs (Table 15, Table 16 and Table 17). This is coherent to the results of the single items: in case of tobacco and alcohol, only about half of the pupils declared the risk for most of the items. The proportions of pupils declaring the risk are higher only in case of marijuana and other drugs in South West and Lagos, where indeed the score is lower.

On the contrary, and consistently with the results on prevalence of use, In North East and North West zones the scores are slightly higher than 2.5, indicating a low perception of negative consequences of use: this happens either for tobacco, alcohol and marijuana or other drugs.

In all the zones the scores on negative attitudes towards drugs had a mean level lower than 2.5 indicating good perceptions of the negative aspects related to use. In fact, when looking at the single items, the majority of pupils approved the negative statements.

When looking at the perception of positive consequences of use, the scores for cigarettes, alcohol and marijuana approximate the value of 2 or lower indicating a low perception of benefits following the use; similarly to what previously observed, the scores were higher in North West and North East, where however they were still lower than 2.5 (Table 15, Table 16 and Table 17).

Also the score and the items of positive attitudes towards drugs indicated a low level of risk (a low level of positive attitudes).

Risk perceptions on cigarettes, alcohol and drug use are described in Table 18.

It is to be noted that in North East, North West, North Central and FCT a proportion between 5% and 26.5% of pupils answered “I don’t know” to these questions, and that North West zone had the highest percentage of answer “no risk” to all questions except that on drinking one of two drinks every week. Moreover, in general a high percentage of pupils in all zones declared slight risk or no risk related to substance use; these are incorrect risk perceptions that need to be corrected.

**Table 14. Knowledge on cigarettes, alcohol and drug use by zone**

	North Central N=532		Federal Country Territory N=275		North East N=509		North West N=665		South East N=563		South South N=529		South West N=715		Lagos N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Nicotine is the substance in cigarettes that causes lung cancer</b>																
Yes	311	58.5	114	41.5	283	55.6	404	60.8	332	59.0	321	60.7	437	61.1	179	62.4
No (correct)	13	2.4	13	4.7	20	3.9	44	6.6	16	2.8	14	2.7	17	2.4	23	8.0
Don't know	195	36.7	140	50.9	188	36.9	189	28.4	201	35.7	181	34.2	249	34.8	81	28.2
<b>One needs to smoke several cigarettes per day during many years to become addicted</b>																
Yes	194	36.5	100	36.4	192	37.7	341	51.3	205	36.4	182	34.4	254	35.5	123	42.7
No (correct)	249	46.8	126	45.8	202	39.7	177	26.6	283	50.3	246	50.5	326	45.6	129	45.0
Don't know	80	15.0	47	17.1	100	19.7	124	18.7	71	12.6	76	14.4	119	16.6	34	11.9
<b>Women have lower tolerance to alcohol than men</b>																
Yes (correct)	337	63.4	161	58.6	316	62.1	360	54.1	326	57.9	347	65.6	431	60.3	181	63.1
No	90	16.9	37	13.5	99	19.5	132	19.9	116	20.6	85	16.1	102	14.3	39	13.6
Don't know	91	17.1	74	26.9	78	15.3	142	21.4	116	20.6	91	17.2	170	23.8	64	22.3
<b>It takes about half an hour to eliminate from the body the amount of alcohol contained in a can of strong beer</b>																
Yes	187	35.2	73	26.6	180	35.4	255	38.4	192	34.1	214	40.5	219	30.6	78	27.2
No (correct)	78	14.7	41	14.9	73	14.3	113	17.0	82	14.6	87	16.5	88	12.3	53	18.5
Don't know	254	47.7	160	58.2	240	47.2	269	40.5	286	50.8	218	41.2	391	54.7	153	53.3
<b>Smoking marijuana does not cause physical dependence</b>																
Yes	94	17.7	47	17.1	71	14.0	177	26.6	127	22.6	119	22.5	121	16.9	51	17.8
No (correct)	269	50.6	117	42.6	267	52.5	282	42.4	265	47.1	247	46.7	355	49.7	141	49.1
Don't know	157	29.5	109	39.6	156	30.7	179	26.9	166	29.5	155	29.3	223	31.2	90	31.4
<b>High consumption of marijuana decreases the production of sexual hormones</b>																
Yes (correct)	218	41.0	73	26.6	211	41.5	281	42.3	245	43.5	234	44.2	262	36.6	90	31.7
No	83	15.6	43	15.6	72	14.2	114	17.1	79	14.0	85	16.1	93	13.0	28	9.8
Don't know	220	41.4	157	57.1	208	40.9	239	35.9	237	42.1	205	38.8	339	47.4	167	58.2
<b>Score of exact answers (0-2): cigarettes mean ±DS</b>																
	0.49 ±0.53		0.51 ±0.58		0.44 ±0.51		0.34 ±0.55		0.53 ±0.54		0.53 ±0.53		0.49 ±0.53		0.53 ±0.58	
<b>Score of exact answers (0-2): alcohol mean ±DS</b>																
	0.79 ±0.60		0.73 ±0.62		0.78 ±0.59		0.74 ±0.64		0.72 ±0.59		0.83 ±0.60		0.74 ±0.59		0.82 ±0.64	
<b>Score of exact answers (0-2): cannabis mean ±DS</b>																
	0.93 ±0.74		0.69 ±0.69		0.96 ±0.77		0.88 ±0.75		0.91 ±0.74		0.92 ±0.77		0.88 ±0.75		0.81 ±0.74	
<b>Score of exact answers (0-6): overall mean ±DS</b>																
	2.20 ±1.15		1.93 ±1.27		2.16 ±1.19		1.92 ±1.24		2.16 ±1.13		2.27 ±1.20		2.08 ±1.16		2.16 ±1.12	



**Table 15. Beliefs on consequences of tobacco use by zone**

	North Central		Federal Country Territory		North East		North West		South East		South South		South West		Lagos	
	N=532		N=275		N=509		N=665		N=563		N=529		N=715		N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Negative beliefs: I will..</b>																
Get into trouble with police	275	51.7	138	50.2	203	39.9	302	45.4	304	54.0	275	52.0	355	49.7	124	43.2
Do badly in school	295	55.5	180	65.5	210	41.3	295	44.4	384	68.2	315	59.6	480	67.1	229	79.8
Get into trouble with parents	306	57.5	190	69.1	201	39.5	302	45.4	396	70.3	333	63.0	530	74.13	249	86.8
Be expelled from school	286	53.8	176	64.0	205	40.3	293	44.1	349	62.0	304	57.5	460	64.3	206	71.8
Have problems with friends	290	54.5	171	62.2	204	40.1	278	41.8	340	60.4	311	58.8	467	65.3	215	74.9
Become an addict	296	55.6	166	60.4	209	41.1	298	44.8	366	65.0	304	57.5	494	69.1	210	73.2
Have money problems	249	46.8	137	49.9	214	42.0	282	42.4	286	50.8	255	48.2	346	48.4	166	57.8
Have problems finding work	270	50.8	157	57.1	195	38.3	289	43.5	293	52.0	265	50.1	385	53.9	181	63.1
<b>Score on negative beliefs (1-4: higher score higher risk): mean ±DS</b>																
	2.35 ±1.01		2.25 ±0.93		2.65 ±0.98		2.56 ±1.05		2.21 ±0.93		2.32 ±0.98		2.16 ±0.86		2.01 ±0.64	
<b>Positive beliefs: I will..</b>																
Have more friends	166	31.20	74	26.9	232	45.6	320	48.1	117	20.7	130	24.6	173	24.2	69	24.0
Feel more relaxed	147	27.6	65	23.6	199	39.1	284	42.7	91	16.2	105	19.9	151	21.1	52	18.1
Have more fun	179	33.7	80	29.1	223	43.8	301	45.3	117	20.5	131	24.8	196	27.4	77	26.8
Be more popular	194	36.5	102	37.1	253	49.7	319	48.0	132	23.5	153	28.9	214	29.9	118	41.1
Forget my troubles	181	34.0	88	32.0	222	43.6	303	45.6	148	26.3	151	28.5	206	28.8	82	28.6
Be more confident and outgoing	189	35.5	93	33.8	233	45.8	294	44.2	123	21.9	156	29.5	227	31.8	94	32.8
<b>Score on positive beliefs (1-4: higher score higher risk): mean ±DS</b>																
	2.16 ±0.86		2.05 ±0.82		2.39 ±0.88		2.48 ±0.91		1.85 ±0.76		1.92 ±0.82		2.00 ±0.79		1.96 ±0.71	

**Table 16. Beliefs on consequences of alcohol use by zone**

	North Central		Federal Country Territory		North East		North West		South East		South South		South West		Lagos	
	N=532		N=275		N=509		N=665		N=563		N=529		N=715		N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Negative beliefs: I will..</b>																
Get into trouble with police	280	52.6	140	50.9	227	44.6	316	47.5	299	53.1	264	49.9	360	50.4	135	47.0
Do badly in school	321	60.3	175	63.6	236	46.4	301	45.3	388	68.9	321	60.7	497	69.5	219	76.3
Get into trouble with parents	327	61.5	189	68.7	222	43.61	317	47.7	405	71.9	337	63.7	543	75.9	249	86.8
Be expelled from school	312	58.7	168	61.1	223	43.8	310	46.6	347	61.6	275	52.0	446	62.4	181	63.1
Have problems with friends	295	55.5	158	57.5	210	41.3	297	44.7	321	57.0	285	53.9	456	63.8	193	67.3
Become an addict	309	58.1	158	57.5	239	47.0	300	45.1	352	62.5	292	55.2	481	67.3	193	67.3
Have money problems	268	50.4	147	53.5	219	43.0	285	42.9	307	54.5	263	49.7	373	52.2	152	53.0
Have problems finding work	277	52.1	145	52.7	210	41.3	289	43.5	292	51.9	265	50.1	381	53.3	175	61.0
<b>Score on negative beliefs (1-4: higher score higher risk): mean ±DS</b>	2.31 ±1.01		2.26 ±0.93		2.57 ±0.99		2.52 ±1.10		2.23 ±0.94		2.34 ±1.00		2.17 ±0.88		2.12 ±0.71	
<b>Positive beliefs: I will..</b>																
Have more friends	165	31.0	81	29.5	201	39.5	285	42.9	129	22.9	134	25.3	192	26.9	80	27.9
Feel more relaxed	171	32.1	74	26.9	185	36.4	283	42.6	120	21.31	130	24.6	189	26.4	60	20.9
Have more fun	185	34.8	86	31.3	179	35.2	281	42.3	136	24.2	148	28.0	219	30.6	93	32.4
Be more popular	210	39.5	90	32.7	216	42.4	296	44.5	124	22.0	159	30.1	223	31.2	104	36.2
Forget my troubles	178	33.5	90	32.7	210	41.23	293	44.1	157	27.9	152	28.7	208	29.1	75	26.1
Be more confident and outgoing	167	31.4	85	30.9	205	40.3	281	42.3	123	21.85	144	27.2	224	31.3	85	29.6
<b>Score on positive beliefs (1-4: higher score higher risk): mean ±DS</b>	2.14 ±0.89		2.09 ±0.83		2.30 ±0.85		2.41 ±0.93		1.91 ±0.79		1.98 ±0.84		2.06 ±0.84		2.01 ±0.72	

**Table 17. Beliefs on consequences of use and attitudes towards marijuana or other drugs by zone**

	North Central N=532		Federal Country Territory N=275		North East N=509		North West N=665		South East N=563		South South N=529		South West N=715		Lagos N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Negative beliefs: I will...</b>																
Get into trouble with police	330	62.0	180	65.5	246	48.3	339	51.0	387	68.7	329	62.2	499	69.8	235	81.9
Do badly in school	337	63.4	199	72.4	243	47.7	326	49.0	416	73.9	335	63.3	533	74.6	253	88.2
Get into trouble with parents	331	62.2	204	74.2	247	48.5	313	47.1	420	74.6	349	66.0	546	76.4	261	90.9
Be expelled from school	324	60.9	190	69.1	227	44.6	314	47.2	394	70.0	327	61.8	517	72.3	241	84.0
Have problems with friends	309	58.1	173	62.9	224	44.0	308	46.3	370	65.7	320	60.5	499	69.8	228	79.4
Become an addict	321	60.3	176	64.0	244	47.9	305	45.9	385	68.4	323	61.1	511	71.5	232	80.8
Have money problems	275	51.7	153	55.6	230	45.2	295	44.4	338	60.0	293	55.4	398	55.7	182	63.4
Have problems finding work	288	54.1	166	60.4	234	46.0	284	42.7	338	60.0	294	55.6	426	59.6	203	70.7
<b>Score on negative beliefs (1-4: higher score higher risk): mean ±DS</b>	2.20 ±1.08		2.05 ±1.00		2.51 ±1.04		2.51 ±1.12		2.01 ±1.01		2.18 ±1.08		1.95 ±0.93		1.70 ±0.69	
<b>Positive beliefs: I will...</b>																
Have more friends	165	31.0	81	29.5	199	39.1	278	41.8	132	23.5	140	26.5	196	27.4	70	24.4
Feel more relaxed	155	29.1	78	28.4	172	33.8	288	43.3	118	21.0	128	24.2	179	25.0	56	19.5
Have more fun	170	32.0	83	30.2	192	37.7	280	42.1	130	23.1	128	24.2	193	27.0	78	27.2
Be more popular	187	35.2	86	31.3	227	44.6	279	42.0	137	24.3	149	28.2	200	28.0	97	33.8
Forget my troubles	170	32.0	86	31.3	200	39.3	280	42.1	151	26.8	146	27.6	200	28.0	77	26.8
Be more confident and outgoing	161	30.3	83	30.2	211	41.5	298	44.8	122	21.7	136	25.7	203	28.4	90	31.4
<b>Score on positive beliefs (1-4: higher score higher risk): mean ±DS</b>	2.10 ±0.91		2.05 ±0.87		2.29 ±0.89		2.41 ±0.95		1.89 (0.83)		1.93 ±0.88		2.00 ±0.85		1.97 ±0.75	
<b>Negative attitudes</b>																
A young person should never try drugs	396	74.4	224	81.5	381	74.9	419	63.0	454	80.6	417	78.8	543	75.9	241	84.0
Everyone who tries drugs eventually regrets	416	78.2	217	78.9	397	76.8	433	65.1	469	83.3	414	78.3	553	77.3	237	82.6
The laws about drugs should be made stronger	463	87.0	238	86.6	413	81.1	465	69.9	525	93.3	460	87.0	631	88.3	268	93.4
Drug use is one of the biggest evils in the country	411	77.3	210	76.4	372	73.1	443	66.6	468	83.1	395	74.7	546	76.4	241	84.0
Schools should teach about the real hazards of taking drugs	462	86.84	251	91.3	411	80.8	405	60.9	516	91.7	480	90.7	650	90.9	273	95.1

To experiment with drugs is to give away control of your life	310	58.3	188	68.4	309	60.7	337	50.7	405	71.9	317	59.9	422	59.0	218	76.0
<b>Score on negative attitudes (1-4: higher score higher risk): mean <math>\pm</math>DS</b>																
	1.92 $\pm$ 0.58		1.88 $\pm$ 0.49		2.01 $\pm$ 0.61		2.18 $\pm$ 0.72		1.72 $\pm$ 0.48		1.84 $\pm$ 0.51		1.88 $\pm$ 0.50		1.82 $\pm$ 0.49	
<b>Positive attitudes</b>																
Using drugs can be a pleasant activity	123	23.1	39	14.2	121	23.8	272	40.9	65	11.6	72	13.6	149	20.8	46	16.0
Using drugs is fun	61	11.5	24	8.7	87	17.1	182	27.4	41	7.3	38	7.2	45	6.3	20	7.0
Many things are much more risky than trying drugs	276	51.9	166	60.4	244	47.9	321	48.3	261	46.4	304	57.5	429	60.0	170	59.2
Drugs help people to have experience life in full	124	23.3	59	21.5	137	26.9	167	25.1	76	13.5	100	18.9	147	20.6	44	15.3
The police should not be annoying young people trying drugs	96	18.1	51	18.6	115	22.6	197	29.6	52	9.2	73	13.8	103	14.4	45	15.7
<b>Score on positive attitudes (1-4: higher score higher risk): mean <math>\pm</math>DS</b>																
	1.76 $\pm$ 0.56		1.71 $\pm$ 0.58		1.85 $\pm$ 0.60		2.09 $\pm$ 0.75		1.61 $\pm$ 0.51		1.73 $\pm$ 0.55		1.74 $\pm$ 0.58		1.54 $\pm$ 0.46	

**Table 18. Risk perceptions on cigarettes, alcohol and drug use by zone**

	North Central		Federal Country Territory		North East		North West		South East		South South		South West		Lagos	
	N=532		N=275		N=509		N=665		N=563		N=529		N=715		N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Smoke cigarettes occasionally</b>																
Great risk	360	67.7	188	68.4	322	63.3	272	40.9	396	70.3	391	73.9	525	73.4	206	71.8
Slight risk	95	17.9	57	20.7	93	18.3	126	19.0	131	23.3	96	18.2	143	20.0	66	23.0
No risk	26	4.9	7	2.6	36	7.1	90	13.5	15	2.7	14	2.7	14	2.0	4	1.4
Don't know	42	7.9	19	6.9	45	8.8	147	22.1	14	2.5	24	4.5	25	3.5	9	3.1
<b>Smoke one or more packs of cigarettes per day</b>																
Great risk	427	80.3	238	86.6	382	75.1	358	53.8	496	88.1	450	85.1	601	84.1	248	86.4
Slight risk	45	8.5	16	5.8	58	11.4	88	13.2	42	7.5	52	9.7	72	10.1	29	10.1
No risk	17	3.2	4	1.5	18	3.5	74	11.1	5	0.9	4	0.8	11	1.5	1	0.4
Don't know	32	6.0	13	4.7	38	7.5	107	16.1	16	2.8	19	3.6	20	2.8	6	2.1
<b>Have one or two drinks nearly each week</b>																
Great risk	125	23.5	48	17.5	154	30.3	161	24.2	66	11.7	67	12.7	120	16.8	13	4.5
Slight risk	253	47.6	135	49.1	198	38.9	194	29.1	289	51.3	289	54.6	423	59.2	190	66.2
No risk	80	15.0	53	19.3	71	17.0	125	18.8	163	29.0	125	23.6	119	16.6	63	22.0
Don't know	64	12.0	33	12.0	67	13.2	147	22.1	39	6.9	41	7.8	38	5.3	16	5.6
<b>Drink alcohol every day</b>																
Great risk	427	80.3	221	80.4	382	75.1	361	54.3	469	83.3	448	84.7	600	83.9	243	84.7
Slight risk	42	7.9	34	12.4	52	10.2	81	12.2	75	13.3	52	9.8	78	10.9	33	11.5
No risk	21	4.0	3	1.1	26	5.1	89	13.1	1	0.2	15	2.8	11	1.5	3	1.1
Don't know	32	6.0	13	4.7	35	6.9	102	15.3	15	2.7	9	1.7	14	2.0	5	1.7
<b>Smoke marijuana regularly</b>																
Great risk	461	86.7	243	88.4	387	76.0	338	50.8	531	94.3	485	91.7	668	93.4	270	94.1
Slight risk	17	3.2	10	3.6	26	5.1	89	13.4	9	1.6	12	2.3	8	1.1	7	2.4
No risk	15	2.8	1	0.4	26	5.1	80	12.0	5	0.9	3	1.1	10	1.40	1	0.4
Don't know	29	5.5	16	5.8	50	9.8	115	17.3	15	2.7	19	3.6	18	2.5	7	2.4
<b>Use other drugs occasionally</b>																
Great risk	297	55.83	147	53.5	245	48.1	237	35.6	307	54.5	300	56.7	359	50.2	161	56.1
Slight risk	106	19.9	73	26.6	111	21.8	104	15.6	161	28.6	123	23.3	202	28.3	81	28.2
No risk	27	5.1	4	1.5	49	9.6	113	17.0	23	4.1	27	5.1	40	5.6	14	4.9
Don't know	93	17.5	46	16.7	87	17.1	176	26.5	66	11.7	75	14.2	103	14.4	29	10.1

### **3.4. Personal skills**

The score on positive self-esteem indicated a good level of self-esteem: in fact all the individual items showed a large proportion of pupils answering positively to the questions. Again, it is to be noted that the score is less good in North East and North West zones.

On the other side, the negative self-esteem score was about 2.5 in all the zones, indicating a borderline level of bad self-esteem: when looking at the single negative items, in fact, a large proportion of pupils of every zone answered to agree on the negative statements (Table 19).

The positive indicator of decision making skills showed a good level of the ability to take decisions, with high proportions of pupils declaring rationality in taking decisions in the single items.

However, the negative indicator of decision making skills is around 2.5 in many zones, indicating a borderline level of bad decision making ability: a high proportion of pupils answered positively to the negative statements (Table 20).

For most zones, a low proportion of pupils would accept to use tobacco and cannabis offered by friends. The proportion of pupils accepting to use alcohol is higher than 12% in all zones. North West and North East zones showed the highest proportion of pupils that would accept cannabis (20.3%) and cigarettes (21.7%). The overall score indicated good refusal abilities, in particular in South East, South South and South West (Table 20).

Also the items measuring communication skills showed good communication skills and in this case the overall score was similar across the zones (Table 20).

**Table 19. Self-esteem by zone**

	North Central		Federal Country Territory		North East		North West		South East		South South		South West		Lagos	
	N=532		N=275		N=509		N=665		N=563		N=529		N=715		N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Positive self esteem</b>																
I feel that I have a number of good qualities	503	94.6	260	94.6	469	92.1	580	87.2	540	95.9	494	93.4	666	93.2	268	93.4
I am able to do things as well as most other people	460	86.5	248	90.2	426	83.7	527	79.3	513	91.1	470	88.9	635	88.8	265	92.3
On the whole, I am satisfied with myself	446	83.8	229	83.3	387	76.0	480	72.2	479	85.1	437	82.6	574	80.3	234	81.5
I feel that I'm a valuable person at least at the same level than others	448	84.2	239	86.9	372	73.1	425	63.9	494	87.7	460	87.0	597	83.5	255	88.9
I have a positive attitude toward myself	441	82.9	226	82.2	400	78.6	466	70.1	510	90.6	462	87.3	620	86.7	260	90.6
<b>Positive self-esteem score (1-4: higher score higher risk): mean ±DS</b>	1.63 ±0.49		1.65 ±0.50		1.80 ±0.53		1.87 ±0.62		1.50 ±0.46		1.59 ±0.49		1.63 ±0.50		1.56 ±0.46	
<b>Negative self esteem</b>																
At times I think I am no good at all	288	54.1	137	49.8	237	46.6	296	44.5	225	40.0	279	52.7	382	53.4	143	49.8
I feel I do not have much to be proud of	342	64.3	156	56.7	325	63.9	403	60.6	303	53.8	356	67.3	464	64.9	157	54.7
I certainly feel useless at times	239	44.9	113	41.1	185	36.4	269	40.5	159	28.2	219	41.4	317	44.3	128	44.6
I wish I could have more respect for myself	455	85.5	239	86.9	418	82.1	539	81.1	494	87.7	463	87.5	620	86.7	249	86.8
All in all, I am inclined to feel that I am a failure	116	21.8	33	12.0	116	22.8	246	37.0	52	9.2	72	13.6	108	15.1	33	11.5
<b>Negative self-esteem score (1-4: higher score higher risk): mean ±DS</b>	2.61 ±0.58		2.47 ±0.54		2.53 ±0.56		2.62 ±0.65		2.37 ±0.57		2.56 ±0.54		2.56 ±0.58		2.48 ±0.57	

**Table 20. Decision making, refusal skills and communication skills by zone**

	North Central N=532		Federal Country Territory N=275		North East N=509		North West N=665		South East N=563		South South N=529		South West N=715		Lagos N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>DECISION MAKING</b>																
<b>Good decision making skills</b>																
When I have decided to do something, I always carry it through	474	89.1	246	89.5	443	87.0	477	71.7	507	90.1	468	88.5	630	88.1	251	87.5
I weigh up all the choices before I decide	429	80.6	233	84.7	393	77.2	442	66.5	489	86.9	442	83.6	600	83.9	251	87.5
I seldom decide to do something that I later regret	236	44.4	138	50.2	241	47.4	296	44.5	272	48.3	260	49.2	363	50.8	173	60.3
When I decide on something it doesn't matter what my friends think	312	58.7	151	54.9	291	57.2	326	49.0	322	57.2	320	60.5	378	52.9	175	61.0
<b>Good decision making score (1-4: higher score higher risk): mean ±DS</b>																
	2.10 ±0.48		2.08 ±0.49		2.10 ±0.51		2.23 ±0.69		2.02 ±0.47		2.04 ±0.49		2.08 ±0.47		2.03 ±0.47	
<b>Bad decision making skills</b>																
I often make up my mind without thinking of the consequences	169	31.8	95	34.6	205	40.3	281	42.3	160	28.4	198	37.4	251	35.1	111	38.7
Sometimes I decide "off the top of my head"	266	50.0	156	56.7	263	51.7	343	51.6	253	44.9	272	51.4	397	55.5	166	57.8
I often make a decision without thinking	163	30.6	90	32.7	147	28.9	236	35.5	153	27.2	168	31.8	251	35.1	106	36.9
I change my mind about something several times a day	410	77.1	219	79.6	368	72.3	423	63.6	403	71.6	416	78.6	562	78.6	239	83.3
When I decide on something it doesn't matter what my parents think	114	21.4	55	20.0	153	30.1	241	36.3	101	17.9	108	20.4	144	20.1	47	16.4
<b>Bad decision making score (1-4: higher score higher risk): mean ±DS</b>																
	2.36 ±0.58		2.40 ±0.54		2.45 ±0.59		2.50 ±0.76		2.28 ±0.54		2.40 ±0.57		2.41 ±0.54		2.42 ±0.51	
<b>REFUSAL SKILLS</b>																
<b>You and your friend are studying hard for a test at school. Both of you feel stressed. Your friend suggests a cigarette would help, and offers one. Do you accept?</b>																
Yes	42	7.9	14	5.1	75	14.7	144	21.7	17	3.0	25	4.7	18	2.5	9	3.1
<b>You and your best friend are at a party where you meet new people..... Someone offers you to smoke hash together. Do you?</b>																
Yes	45	8.5	29	10.6	71	14.0	135	20.3	23	4.1	26	4.9	31	4.3	21	7.3
<b>The day after, you both pass the test, and feel now it is time to celebrate. Would you buy some alcohol to celebrate?</b>																
Yes	79	14.9	55	20.0	70	13.8	125	18.8	87	15.5	66	12.5	94	13.2	54	18.8



<b>Overall refusal skills score (1-4: higher score higher risk): mean ±DS</b>																
	1.43 ±0.64	1.47 ±0.67	1.56 ±0.77	1.74 ±0.89	1.32 ±0.52	1.34 ±0.53	1.29 ±0.47	1.39 ±0.53								
<b>COMMUNICATION SKILLS</b>																
<b>Say something nice to a friend</b>																
Easy	492	92.5	259	94.2	465	91.4	560	84.2	521	92.54	493	93.19	682	95.38	273	95.12
<b>Ask for a favour</b>																
Easy	423	79.5	229	83.3	377	74.1	494	74.3	450	79.9	424	80.2	597	83.5	252	84.3
<b>Show someone that I like him/her</b>																
Easy	327	61.5	160	58.2	350	68.8	449	67.5	300	53.3	252	47.6	369	51.6	141	49.1
<b>Say “no” when someone asks me to do something I do not want to</b>																
Easy	343	64.5	171	62.2	299	58.7	383	57.6	381	67.7	333	63.0	460	64.3	168	58.5
<b>Call for help when I have got problems</b>																
Easy	431	81.0	217	78.9	395	77.6	501	75.3	456	81.0	409	77.3	571	79.9	232	80.8
<b>Help someone who needs help</b>																
Easy	494	92.9	265	96.4	450	88.4	554	83.3	532	94.5	500	94.5	681	95.2	260	90.6
<b>Overall communication skills score (1-4: higher score higher risk): mean ± DS</b>																
	1.76 ±0.48	1.78 ±0.47	1.78 ±0.56	1.79 ±0.63	1.77 ±0.47	1.81 ±0.49	1.79 ±0.45	1.84 ±0.51								

### 3.5. Family and friends behaviours and influences

In North West zone 8.0% of pupils declared to have a parent smoking cigarettes, the highest prevalence observed across the zones, but only 5.6% declared to have a parent drinking alcoholic beverages, the lowest prevalence observed. South East and Lagos showed the highest proportions of parents drinking (Table 21).

The large majority of pupils in all zones declared their parents setting clear rules and monitoring their activities, and a good level of support and esteem. The lowest percentages are observed in North West zone, where indeed the score of parental monitoring is higher, indicating low parental monitoring.

In all the zones less than 2.0% of parents allowed the children to smoke cigarettes, and less than 3.5% to drink alcohol. The lowest proportion of parents who did not allow to smoke and drink at all was observed in North West zone.

The highest proportion of siblings smoking was observed in North West and North East zones. The proportion of siblings drinking alcohol ranged between 13 and 18% in all zones, except for North West where it was lower (7.4%).

Few pupils declared more than half or all their friends smoked cigarettes or drunk alcohol or got drunk or used marijuana or other drugs (only in North West the percentage was higher than 5%) (Table 22).

The proportion of pupils declaring to have no friends at all performing that behaviour was higher in case of marijuana or other drugs, except in North East and North West zones.

As regards the perception of friends' approval, about 10% of pupils in North West declared their friends would approve their cigarette smoking, alcohol drinking and marijuana use. However the large proportion of pupils in all zones declared their friends would disapprove and stop friendship.

In all the zones more than 70% of pupils declared to get support from their best friend.

Between 32.1% (Lagos) and 49.0% (South South) of pupils declared that among their peers nobody smoked cigarettes, between 19.5% (Lagos) and 53.2% (South East) that nobody drank alcohol and between 41.8% (Lagos) and 55.2% (South South) that nobody used marijuana. The perceptions of peers using substances in general appear to be higher than those declared as regards their friends.

The highest proportions of pupils declaring none of their friends liked the school was observed in North East and North West zones (4.9% and 13.1%). These were also the zones with the lowest percentages of students getting high grades at school (Table 23).

The large majority of pupils in all the zones answered positively to the items measuring class climate, and the overall score indicated a good class climate.

Few pupils declared to have had behavioural problems due to alcohol or drugs: in all cases the proportions were higher in North West and North East zone (Table 24)

**Table 21. Family behaviors and permissiveness by zone**

	North Central N=532		Federal Country Territory N=275		North East N=509		North West N=665		South East N=563		South South N=529		South West N=715		Lagos N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>PARENTS</b>																
<b>Does any of your parents smoke cigarettes</b>																
Yes	15	2.8	6	2.2	22	4.3	53	8.0	11	2.0	11	2.1	12	1.7	7	2.4
<b>Does any of your parents drink alcoholic beverages</b>																
Yes	90	16.9	73	26.6	81	15.9	37	5.6	177	31.4	137	25.9	145	20.3	103	35.9
<b>Parenting, rules and monitoring</b>																
My parents set clear rules	492	92.5	260	94.6	467	91.8	565	85.0	551	97.9	506	95.7	691	96.6	276	96.2
My parents know where I am in the evenings	441	82.9	222	80.7	442	86.8	531	79.9	494	87.7	445	84.1	585	81.8	244	85.0
<b>Parental monitoring score (1-4: higher score higher risk): mean ±DS</b>																
	1.58 ±0.61		1.59 ±0.59		1.56 ±0.59		1.68 ±0.74		1.48 ±0.53		1.53 ±0.56		1.59 ±0.55		1.47±0.54	
I can easily get support from my father and/or mother	411	77.3	204	74.2	389	76.4	476	71.6	407	72.3	418	79.0	560	78.3	238	82.9
It is very important for me not to disappoint my parents	474	89.1	248	90.2	450	88.4	530	79.7	525	93.3	489	92.4	647	90.5	266	92.7
<b>If you wanted to smoke, your father and mother...</b>																
Wouldn't allow at all	480	90.2	255	92.7	448	88.0	546	82.1	539	95.7	502	94.9	686	95.9	279	97.2
Wouldn't allow drinking at home	17	3.2	7	2.6	26	5.1	40	6.0	9	1.6	15	2.8	16	2.2	2	0.7
Would allow	8	1.5	1	0.4	10	2.0	12	1.8	6	1.1	4	0.8	0	0.0	0	0.0
Don't know	17	3.2	9	3.3	17	3.3	47	7.1	6	1.1	4	0.8	10	1.4	2	0.7
<b>If you wanted to drink alcohol, your father and mother...</b>																
Wouldn't allow at all	454	85.3	231	84.0	433	85.1	540	81.2	507	90.1	476	90.0	649	90.8	254	88.5
Wouldn't allow drinking at home	31	5.8	16	5.8	26	5.1	38	5.7	27	4.8	20	3.8	33	4.6	10	3.5
Would allow	15	2.8	7	2.6	16	3.1	22	3.3	7	1.2	16	3.0	7	1.0	9	3.2
Don't know	23	4.3	18	6.6	22	4.3	49	7.4	20	3.6	11	2.1	23	3.2	11	3.8
<b>SIBLINGS</b>																
Smoke cigarettes	38	7.1	11	4.0	58	11.4	71	10.7	11	2.0	22	4.2	19	2.7	6	2.1
Drink alcohol	73	13.7	49	17.8	88	17.3	49	7.4	87	15.5	89	16.8	91	12.7	47	16.4

**Table 22. Friends and peers' behaviors and influences by zone**

	North Central N=532		Federal Country Territory N=275		North East N=509		North West N=665		South East N=563		South South N=529		South West N=715		Lagos N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>FRIENDS</b>																
<b>How many of them smoke cigarettes</b>																
None	406	76.3	194	70.6	378	74.3	396	59.6	463	82.2	421	79.6	582	81.4	226	78.8
Less than half	29	5.5	17	6.2	14	2.8	49	7.4	8	1.4	11	2.1	21	2.9	12	4.2
About half	7	1.3	4	1.5	16	3.1	21	3.2	8	1.4	8	1.5	5	0.7	1	0.4
> than half	7	1.3	1	0.4	8	1.6	31	4.7	1	0.2	5	1.0	5	0.7	0	0.0
All of them	4	0.8	3	1.1	7	1.4	26	3.9	6	1.1	4	0.8	2	0.3	3	1.1
Don't know	71	13.4	52	18.9	72	14.2	108	16.2	75	13.3	74	14.0	93	13.0	44	15.3
<b>How many of them drink alcohol</b>																
None	364	68.4	161	58.6	354	69.6	439	66.0	379	67.3	332	62.8	488	68.3	158	55.1
Less than half	49	9.2	37	13.5	30	5.9	35	5.3	59	10.5	68	12.9	69	9.7	54	18.8
About half	13	2.4	5	1.8	10	2.0	26	3.9	13	2.3	16	3.0	23	3.2	4	1.4
> than half	8	1.5	3	1.1	11	2.2	21	3.2	7	1.2	12	2.3	7	1.0	4	1.4
All of them	12	2.3	4	1.5	9	1.8	24	3.6	3	0.5	6	1.1	5	0.7	3	1.1
Don't know	74	13.9	62	22.6	77	15.1	91	13.7	101	17.9	91	17.2	119	16.6	63	22.0
<b>How many of them get drunk</b>																
None	399	75.0	189	68.7	366	71.9	417	62.7	434	77.1	396	74.9	549	76.8	199	69.3
Less than half	26	4.9	15	5.5	26	5.1	44	6.6	16	2.8	25	4.7	27	3.8	19	6.6
About half	6	1.1	3	1.1	9	1.8	26	3.9	6	1.1	8	1.5	13	1.8	2	0.7
> than half	9	1.7	2	0.7	7	1.4	19	2.9	2	0.4	3	0.6	5	0.7	1	0.4
All of them	11	2.1	5	1.8	12	2.4	35	5.3	2	0.4	7	1.3	2	0.3	0	0.0
Don't know	68	12.8	59	21.5	73	14.3	96	14.4	100	17.8	83	15.7	112	15.7	65	22.7
<b>How many of them use marijuana or other drugs</b>																
None	426	80.1	205	74.6	374	73.5	424	63.8	475	84.4	437	82.6	585	81.8	229	79.8
Less than half	12	2.3	9	3.3	19	3.7	31	4.7	2	0.4	2	0.4	7	1.0	6	2.1
About half	10	1.9	0	0.0	8	1.6	23	3.5	1	0.2	8	1.5	3	0.4	0	0.0
> than half	7	1.3	0	0.0	7	1.4	20	3.0	3	0.5	1	0.2	2	0.3	0	0.0
All of them	8	1.5	6	2.2	5	1.0	27	4.1	0	0.0	3	0.6	1	0.1	0	0.0
Don't know	60	11.3	53	19.3	83	16.3	113	17.0	81	14.4	74	14.0	114	15.9	51	17.8
<b>If they found out that I smoked cigarettes sometimes: they would..</b>																
approve	28	5.3	8	2.9	49	9.6	73	11.0	10	1.8	13	2.5	14	2.0	4	1.4
disapprove but still be my friends	154	29.0	99	36.0	124	24.4	146	22.0	207	36.8	192	36.3	214	29.9	118	41.1
disapprove and stop being my friends	331	62.2	156	56.7	298	58.6	361	54.3	335	59.5	314	59.4	472	66.0	152	53.0
not care	14	2.6	8	2.9	25	4.9	64	9.6	10	1.8	7	1.3	13	1.8	11	3.8
<b>If they found out that I drank alcohol sometimes: they would..</b>																
approve	22	4.1	9	3.3	45	8.8	73	11.0	15	2.7	17	3.1	28	3.9	12	4.2
disapprove but still be my friends	183	34.4	126	45.8	138	27.1	125	18.8	273	48.5	251	47.5	280	39.2	164	57.1
disapprove and stop being my friends	294	55.3	120	43.6	271	53.2	373	56.1	247	43.9	229	43.3	375	52.5	87	30.3
not care	22	4.1	16	5.8	39	7.7	70	10.5	27	4.8	28	5.3	29	4.1	23	8.0
<b>If they found out that I used marijuana sometimes: they would..</b>																
approve	20	3.8	6	2.2	46	9.0	77	11.6	6	1.1	14	2.7	14	2.0	3	1.1
disapprove but still be my friends	114	21.4	47	17.1	105	20.6	114	17.1	111	19.7	117	22.1	131	18.3	66	23.0
disapprove and stop being my	369	69.4	211	76.7	307	60.3	381	57.3	435	77.3	383	72.4	551	77.1	211	73.5

friends																
not care	17	3.2	7	2.6	34	6.7	69	10.4	10	1.8	8	1.5	12	1.7	5	1.7
<b>I can really get support from my best friend</b>																
Yes	405	76.1	212	77.1	405	79.6	489	73.5	424	75.3	395	74.7	527	73.7	236	82.2
<b>PEERS (same age)</b>																
<b>How many of them smoke cigarettes?</b>																
None	227	42.7	107	38.9	210	41.3	303	45.6	234	41.6	259	49.0	309	43.2	92	32.1
Less than half	84	15.8	37	13.5	60	11.8	115	17.3	71	12.6	68	12.9	106	14.8	59	20.6
About half	58	10.9	36	13.1	67	13.2	44	6.6	63	11.2	62	11.7	102	14.3	38	13.2
> than half	33	6.2	31	11.3	45	8.8	30	4.5	42	7.5	28	5.3	53	7.4	29	10.1
All of them	7	1.3	0	0.0	5	1.0	21	3.2	1	0.2	0	0.0	1	0.1	0	0.0
Don't know	116	21.8	63	22.9	116	22.8	133	20.0	151	26.8	107	20.2	141	19.7	68	23.7
<b>How many of them drink alcohol</b>																
None	207	38.9	94	34.2	204	40.1	354	53.2	187	33.2	193	36.5	251	35.1	56	19.5
Less than half	88	16.5	45	16.4	70	13.8	62	9.3	95	16.9	100	18.9	133	18.6	74	25.8
About half	57	10.7	36	13.1	57	11.2	39	5.9	86	15.3	72	13.6	112	15.7	53	18.5
> than half	37	7.0	29	10.6	37	7.3	25	3.8	50	8.9	44	8.3	78	10.9	43	15.0
All of them	10	1.9	5	1.8	8	1.6	15	2.3	4	0.7	5	1.0	6	0.8	3	1.1
Don't know	123	23.1	64	23.3	119	23.4	141	21.2	138	24.5	107	20.2	130	18.2	57	19.9
<b>How many of them get drunk</b>																
None	228	42.9	111	40.4	200	39.3	323	48.6	237	42.1	237	44.8	294	41.1	85	29.6
Less than half	77	14.5	37	13.5	78	15.3	81	12.2	78	13.9	77	14.6	129	18.0	58	20.2
About half	54	10.2	26	9.5	65	12.8	45	6.8	55	9.8	60	11.3	104	14.6	41	14.3
> than half	27	5.1	25	9.1	30	5.9	27	4.1	38	6.8	29	5.5	42	5.9	26	9.1
All of them	15	2.8	3	1.1	7	1.4	30	4.5	3	0.5	1	0.2	1	0.1	2	0.7
Don't know	120	22.6	71	25.8	118	23.2	132	19.9	150	26.6	120	22.7	140	19.6	74	25.8
<b>How many of them use marijuana or other drugs</b>																
None	253	47.6	122	44.4	218	42.8	339	51.0	291	51.7	292	55.2	351	49.1	120	41.8
Less than half	55	10.3	30	10.9	63	12.4	60	9.0	58	10.3	57	10.8	105	14.7	50	17.4
About half	36	6.8	22	8.0	39	7.7	28	4.2	30	5.3	24	4.5	44	6.2	17	5.9
> than half	15	2.8	12	4.4	21	4.1	34	5.1	12	2.3	12	2.3	24	3.4	5	1.7
All of them	7	1.3	0	0.0	9	1.8	23	3.5	0	0.0	1	0.2	1	0.1	0	0.0
Don't know	155	29.1	87	31.6	146	28.7	154	23.2	169	30.0	140	26.5	184	25.7	94	32.8

**Table 23. School climate by zone**

	North Central		Federal Country Territory		North East		North West		South East		South South		South West		Lagos	
	N=532		N=275		N=509		N=665		N=563		N=529		N=715		N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Friends: how many of them like school</b>																
None	22	4.1	5	1.8	25	4.9	87	13.1	14	2.5	17	3.2	14	2.0	8	2.8
Less than half / about half	86	16.2	65	23.6	75	14.7	120	18.0	77	13.7	84	15.9	115	16.1	52	18.1
More than half/ all of them	402	75.6	186	67.6	371	72.9	403	60.6	434	77.1	402	75.9	551	77.1	217	75.6
Don't know	17	3.2	18	6.6	26	5.1	40	6.0	35	6.2	23	4.4	35	4.9	9	3.1
<b>Friends: how many do well at school</b>																
None	13	2.4	6	2.2	20	3.9	67	10.1	11	1.95	10	1.9	17	2.4	3	1.1
Less than half / about half	147	27.6	98	35.6	161	31.6	190	28.6	126	22.4	175	33.1	190	26.6	80	27.9
More than half/ all of them	340	63.9	157	57.1	288	56.6	342	51.4	403	71.6	330	62.4	484	67.7	196	68.3
Don't know	21	4.0	12	4.4	24	4.7	45	6.8	19	3.4	9	1.7	21	2.9	7	2.4
<b>Class climate</b>																
The students in my class enjoy being together	484	91.0	239	86.9	461	90.6	592	89.0	496	88.1	457	86.4	628	87.8	246	85.7
Most of the students in my class are kind and helpful	452	85.0	215	78.2	398	78.2	555	83.5	486	86.3	457	86.4	595	83.2	218	76.0
Other students accept me as I am	472	88.7	242	88.0	437	85.9	543	81.7	491	87.2	446	84.3	594	83.1	247	86.1
How I do in school matters a lot to me	503	94.6	261	94.9	445	87.4	550	82.7	542	95.3	504	95.3	673	94.1	281	97.9
I have great respect for what my teachers tell me	515	96.8	268	97.5	473	92.9	590	88.7	457	97.2	504	95.3	697	97.5	270	94.1
<b>School climate score (1-4: higher score higher risk): mean ±DS</b>																
	1.72 ±0.52		1.85 ±0.52		1.78 ±0.54		1.71 ±0.63		1.76 ±0.55		1.81 ±0.55		1.85 ±0.55		1.90 ±0.56	

**Table 24. Behavioral problems experienced in the last year by zone**

	North Central N=532		Federal Country Territory N=275		North East N=509		North West N=665		South East N=563		South South N=529		South West N=715		Lagos N=287	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Quarrel or argument</b>																
Because of alcohol	13	2.4	3	1.1	18	3.5	35	5.3	1	0.2	3	0.6	6	0.8	0	0.0
Because of drugs	5	0.9	0	0.0	11	2.2	17	2.6	0	0.0	2	0.4	5	0.7	0	0.0
Other reasons	250	47.0	187	68.0	163	32.0	81	12.2	378	67.1	342	64.7	434	60.7	231	80.5
<b>Scuffle or fight</b>																
Because of alcohol	14	2.6	4	1.5	15	3.0	40	6.0	4	0.7	9	1.7	3	0.4	0	0.0
Because of drugs	8	1.5	0	0.0	13	2.6	28	4.2	1	0.2	2	0.4	2	0.3	0	0.0
Other reasons	141	26.5	122	44.4	102	20.0	52	7.8	200	35.5	176	33.3	250	35.0	148	51.6
<b>Accident or injury</b>																
Because of alcohol	14	2.6	1	0.4	21	4.1	44	6.6	1	0.2	2	0.4	6	0.8	1	0.4
Because of drugs	10	1.9	0	0.0	16	3.1	25	3.8	0	0.0	3	0.6	2	0.3	0	0.0
Other reason	180	33.8	133	48.4	108	21.2	75	11.3	232	41.2	235	44.4	252	35.2	152	53.0
<b>Loss of money or other valuable items</b>																
Because of alcohol	13	2.4	2	0.7	21	4.1	56	8.4	1	0.2	7	1.3	5	0.7	1	0.4
Because of drugs	5	0.9	0	0.0	15	3.0	26	3.9	0	0.0	0	0.0	1	0.1	0	0.0
Other reasons	234	44.0	161	58.6	148	29.1	89	13.4	326	57.9	306	57.8	384	54.1	203	70.7
<b>Damage to objects or clothing owned</b>																
Because of alcohol	11	2.1	2	0.7	26	5.1	43	6.5	2	0.4	6	1.1	7	1.0	1	0.4
Because of drugs	10	1.9	1	0.4	12	2.4	35	5.3	0	0.0	4	0.8	0	0.0	0	0.0
Other reasons	159	29.9	116	42.2	121	23.8	69	10.4	231	41.0	216	40.8	262	36.6	140	48.8
<b>Problems in relationship with parents</b>																
Because of alcohol	10	1.9	2	0.7	15	3.0	43	6.5	0	0.0	7	1.3	3	0.4	2	0.7
Because of drugs	8	1.5	3	1.1	16	3.1	29	4.4	0	0.0	2	0.4	2	0.3	1	0.4
Other reasons	74	13.9	65	23.6	64	12.6	33	5.0	76	13.5	78	14.7	107	15.0	72	25.1
<b>Problems in relationship with friends</b>																
Because of alcohol	12	2.3	2	0.7	17	3.3	41	6.2	3	0.5	5	1.0	3	0.4	2	0.7
Because of drugs	7	1.3	4	1.5	18	3.5	37	5.6	0	0.0	5	1.0	2	0.3	2	0.7
Other reasons	147	27.6	115	41.8	103	20.2	69	10.4	243	43.2	244	46.1	280	39.2	169	58.9
<b>Problems in relationship with teachers</b>																
Because of alcohol	7	1.3	0	0.0	22	4.3	41	6.2	1	0.2	3	0.6	4	0.6	0	0.0
Because of drugs	5	0.9	2	0.7	15	3.0	30	4.5	0	0.0	2	0.4	2	0.3	1	0.4
Other reasons	63	11.8	57	20.7	46	9.0	33	5.0	56	10.0	64	12.1	103	14.4	73	25.4
<b>Performed poorly at school</b>																
Because of alcohol	8	1.5	2	0.7	10	2.0	32	4.8	3	0.5	2	0.4	2	0.3	0	0.0
Because of drugs	5	0.9	2	0.7	12	2.4	32	4.8	0	0.0	1	0.2	3	0.4	0	0.0
Other reasons	67	12.6	45	16.4	40	7.9	29	4.4	74	13.1	73	13.8	123	17.2	49	16.4
<b>Victimized by robbery or theft</b>																
Because of alcohol	10	1.9	0	0.0	15	3.0	41	6.2	2	0.4	0	0.0	3	0.4	1	0.4
Because of drugs	8	1.5	2	0.7	18	3.5	23	3.5	0	0.0	2	0.4	3	0.4	0	0.0
Other reasons	32	6.0	28	10.2	28	5.5	35	5.3	47	8.4	45	8.5	49	6.9	33	11.5
<b>Hospitalised or admitted to an emergency room</b>																
Because of alcohol	10	1.9	0	0.0	16	3.1	30	4.5	2	0.4	4	0.8	1	0.1	2	0.7
Because of drugs	8	1.5	1	0.4	19	3.7	29	4.4	0	0.0	1	0.2	1	0.1	0	0.0
Other reasons	65	12.2	38	13.8	50	9.8	53	8.0	60	10.7	67	12.7	71	9.9	38	13.2
<b>Any problem for alcohol (score 0-11): mean ±DS</b>																
	0.23 ±1.06		0.07 ±0.44		0.39 ±1.29		0.67±1.76		0.04 ±0.36		0.09 ±0.56		0.06 ± 0.42		0.03 ±0.29	
<b>Any problem for drugs (score 0-11): mean ±DS</b>																
	0.15 ±0.78		0.05 ±0.38		0.32 ±1.23		0.47±1.39		0.00 ±0.04		0.05 ±0.42		0.03 ±0.30		0.01 ±0.14	
<b>Any problem for other reasons (score 0-11): mean ±DS</b>																
	2.65 ±2.86		3.88 ±3.07		1.91 ±2.53		0.93±1.88		3.42 ±2.67		3.49 ± 2.82		3.24 ±2.75		4.55 ±2.70	