



*Centro Latinoamericano de Investigación Científica*

# Global Youth Tobacco Survey (GYTS) Final Report - Bolivia

REPORT ON THE GLOBAL YOUTH TOBACCO SURVEY (GYTS)

The GYTS is a school-based tobacco specific survey that focuses on adolescents aged 13 - 15 years. It is being carried out in several countries. Each country identifies the grades, forms, levels, secondary(s), or standards corresponding to their students who are aged 13-15 years. These grades (forms, levels, secondary(s), or standards) are the target for the GYTS.

### **Sample selection**

The GYTS utilizes a two-stage sample strategy: Stage 1 consists of selected (with probability proportional to size) schools. The schools selected are from a list of all schools containing the representative grades (forms, levels, secondary(s), or standards). Stage 2 consists of a random selection of classes (sections) from the selected schools. All students in the selected classes (sections) are eligible to participate in the GYTS. The GYTS assesses students' attitudes, knowledge and behaviors related to tobacco use, exposure to environmental tobacco smoke (ETS), as well as school curriculum in school, community programs, and media messages aimed at preventing and reducing tobacco use among youth. The GYTS provides information about where tobacco products are obtained and used, and information related to the effectiveness of enforcement measures. School surveys are useful tools in gathering data as they are relatively inexpensive and easy to administer, tend to report reliable results, and refusals are significantly lower than in household surveys. The most common research approach for this specific population has been a self-administered questionnaire. Therefore, all the above, reasonably justifies why a school-based survey has proved to be most appropriate, hence selected for the UNF Project on Youth and Tobacco.

### **Selected Schools in Bolivia**

This process had been made in coordination with CDC. CELIN had sent a list of private and public schools from the cities of Santa Cruz, Cochabamba and La Paz, therefore, the sample was stratified this way (public and private schools). The CDC made the selection of schools where the questionnaire had to be applied.

The selected schools were the following: (see next page)

REGISTERED STUDENTS  
CONTRY: BOLIVIA - CITY: COCHABAMBA  
One primary class and two secondary classes

PUBLIC SCHOOLS

N°	SCHOOL	TURN	8th.			1st.			2nd.		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Nacional 6 de Agosto	M			0	91	139	230	74	121	195
8	Nal. Eduardo AMaleoa	M			0	193		193	155		155
9	Liceo Boliva	T			0		194	194		169	169
15	Don Bosco	T	90		90	87		87	90		90
18	Internado Juan XXIII	M			0			0			0
23	JORGE CARRERA ACUNA	T	79	84	163			0			0
24	ANDRES BELLO	M			0	54	51	105	54	58	112
29	COCHABAMBA	M			0	87	110	197	75	75	150
31	PETROLERO SANADITA	T	82	68	150			0			0
34	LUÍS ESPINAL	T			0	36	44	80	40	35	75
41	VICTOR CABRERA	M			0			0			0
42	SANTO DOMINGO SAVIO	M/T	64	69	133	39	51	90	36	66	102
43	VICTOR CABRERA LOZADA	M	84	84	168			0			0
47	SIMON BOLIMALE	M			0			0			0
56	TECNICO HUMANISTICO NAL.	M			0	142	15	157	98	20	118
57	ELENA ARZE DE ARZE	M			0		139	139		140	140
60	MARÍA CRISTINA	T	31	42	73	51	49	100	42	53	95
74	GUNDALINA LOAIZA	M	25	100	125			0			0
77	VALLE HERMOSO	T	27	26	53	15	15	30	9	23	32
86	INSTITUTO LAREDO	M/T	22	18	40	15	31	46	7	17	24
TOTAL			504	491	995	810	838	1648	680	777	1457

M = Mornig    T = Tarde (Afternoon)

REGISTERED STUDENTS

CONTRY: BOLIVIA - CITY: COCHABAMBA  
One primary class and two secondary classes

PRIVATE SCHOOLS

N°	SCHOOL	TURN	8th.			1st.			2nd.		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	LA SALLE	M/T	66	51	117	67	67	134	54	52	106
2	ANGLO AMERICANO	M/T	29	40	69	32	39	71	26	47	73
5	PEDRO POVEDA	M/T	40	25	65	37	39	76	41	41	82
6	DON BOSCO	M	72		72	76		76	62		62
7	MARYKNOLL	M	77	100	177	89	107	196	70	79	149
8	INS."DOMINGO SAVIO"	M	53	36	89	62	55	117	49	60	109
16	INST. AMERICANO	M/T	87	55	142	55	53	108	71	68	139
18	LOYOLA	M/T	26	53	79	33	45	78	27	46	73
20	SANTA MARÍA MICAELA	M/T		51	51		51	51		50	50
24	SANTO TOMAS DE AQUINO	M	17	19	36	15	16	31	17	16	33
25	PAULO VI	M	22	22	44	18	16	34	14	12	26
26	13 DE MARZO PETROLERO	M	5	10	15	10	14	24	9	6	15
27	ITALO BOLIVIANO	M	28	29	57	26	24	50	24	26	50
28	INST. EDU. BANCARIA	M	27	18	45	20	38	58	21	24	45
29	GERONIMO DE OSORIO	T	22	20	42	33	16	49	26	25	51
30	LA PROVIDENCIA	T	23	17	40			0			0
34	COLEGIO EV. EMANUEL	M	14	18	32	14	18	32	17	19	36
35	LIBERTADOR S. BOLIMALE	M			0			0			0
36	MY DESIDERIO ROCHA	M	3	5	8	7	8	15	11	8	19
38	SAN SILVESTRE	M	13	17	30			0			0
42	CENTRO EDU. VILLA OROPEZA	M	23	25	48	38	37	75	40	32	72
46	GUIDO VILLAGOMES	M			0	9	6	15	13	13	26
47	C.E.N.D.I.	M	22	16	38			0			0
48	DESPERTAD	M			0	20	12	32	18	7	25
50	6 DE JUNIO	M			0	20	6	26	8	8	16
TOTAL			669	627	1296	681	667	1348	618	639	1257

**PARTICIPATING STUDENTS**  
COUNTRY: BOLIVIA - CITY: COCHABAMBA

One primary class and two secondary classes

**PUBLIC SCHOOLS**

N°	SCHOOL	TURN	CLASS	8th.			1st.			2nd.		
				Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Nacional 6 de Agosto	M	5			0	37	50	87	29	46	75
8	Nal. Eduardo AMaleoa	M	6			0	99		99	76		76
9	Liceo Boliva	T	5			0		63	63		79	79
15	Don Bosco	T	4	43		43	85		85	43		43
18	Internado Juan XXIII	M				0			0			0
23	JORGE CARRERA ACUNA	T	4	54	74	128			0			0
24	ANDRES BELLO	M	6			0	41	39	80	41	40	81
29	COCHABAMBA	M	6			0	56	65	121	37	43	80
31	PETROLERO SANADITA	T	4	73	67	140			0			0
34	LUÍS ESPINAL	T	4			0	31	39	70	32	31	63
41	VICTOR CABRERA	M				0			0			0
42	SANTO DOMINGO SAVIO	M/T	7	69	56	125	38	50	88	23	42	65
43	VICTOR CABRERA LOZADA	M	5	77	74	151			0			0
47	SIMON BOLIMALE	M				0			0			0
56	TECNICO HUMANISTICO NAL.	M	5			0	82	15	97	69	15	84
57	ELENA ARZE DE ARZE	M	6			0		128	128		127	127
60	MARÍA CRISTINA	T	6	26	33	59	35	34	69	32	43	75
74	GUNDALINA LOAIZA	M	3	21	66	87			0			0
77	VALLE HERMOSO	T	4	16	24	40	17	6	23	5	18	23
86	INSTITUTO LAREDO	M/T	4	22	18	40	11	30	41	7	17	24
TOTAL			84	401	412	813	532	519	1051	394	501	895

**PARTICIPATING STUDENTS**  
**COUNTRY: BOLIVIA - CITY: COCHABAMBA**  
 One primary class and two secondary classes

**PRIVATE SCHOOLS**

SCHOOL	TURN	CLASS	8th.			1st.			2nd.		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
LA SALLE	M/T	3	18	11	29	18	14	32	15	10	25
ANGLO AMERICANO	M/T	4	12	16	28	28	39	67	11	22	33
PEDRO POVEDA	M/T	4	38	23	61	13	19	32	20	18	38
DON BOSCO	M	5	65		65	32		32	62		62
MARYKNOLL	M	4	19	23	42	41	54	95	26	26	52
INS."DOMINGO SAVIO"	M	3	21	18	39	22	16	38	21	15	36
INST. AMERICANO	M/T	6	38	25	63	31	34	65	32	36	68
LOYOLA	M/T	5	14	11	25	30	43	73	24	45	69
SANTA MARÍA MICAELA	M/T	3		49	49		47	47		48	48
SANTO TOMAS DE AQUINO	M	3	17	16	33	14	14	28	16	16	32
PAULO VI	M	3	19	21	40	16	18	34	14	12	26
13 DE MARZO PETROLERO	M	3	4	9	13	10	14	24	8	5	13
ITALO BOLIVIANO	M	3	27	28	55	23	15	38	22	25	47
INST. EDU. BANCARIA	M	4	25	12	37	20	37	57	20	20	40
GERONIMO DE OSORIO	T	3	22	20	42	33	15	48	17	23	40
LA PROVIDENCIA	T	1	22	13	35			0			0
COLEGIO EV. EMANUEL	M	3	11	18	29	13	19	32	15	19	34
LIBERTADOR S. BOLIMALE	M				0			0			0
MY DESIDERIO ROCHA	M	3	3	5	8	8	7	15	9	6	15
SAN SILVESTRE	M	1	12	17	29			0			0
CENTRO EDU. VILLA OROPEZA	M	6	22	24	46	33	34	67	37	29	66
GUIDO VILLAGOMES	M	2			0	7	6	13	13	11	24
C.E.N.D.I.	M	1	22	16	38			0			0
DESPERTAD	M	2			0	13	11	24	17	7	24
6 DE JUNIO	M	3			0	17	6	23	8	8	16
<b>TOTAL</b>		<b>78</b>	<b>431</b>	<b>375</b>	<b>806</b>	<b>422</b>	<b>462</b>	<b>884</b>	<b>407</b>	<b>401</b>	<b>808</b>

SUMMARY (COCHABAMBA):

PUBLICS			PRIVATES	
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N° of participating schools	17	N° of participating schools	24
Refusing schools	3	Refusing schools	1
TOTAL	20	TOTAL	25

**PUBLIC SCHOOLS**

**REGISTERED STUDENTS**  
**COUNTRY: BOLIVIA - CITY: SANTA CRUZ**  
 One primary class and two secondary classes

<b>8th.</b>	<b>1st.</b>	<b>2nd.</b>
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N°	SCHOOL	TURN	Male	Female	Total	Male	Female	Total	Male	Female	Total
137	16 DE NOVIEMBRE	T			0	18	45	63	24	27	51
178	ALFREDO BARBERY CHAVEZ	T	33	26	59			0			0
179	ALFREDO BARBERY CHAVEZ	T			0	20	24	44	20	25	45
202	ANGELA PINCKERT	M/T	20	15	35	19	25	44	23	17	40
236	ARGENTINA QUIROGA CHAVEZ	M	29	29	58			0			0
97	CARMEN ORTIZ DE PEREDO	T	46	66	112			0			0
154	COMPLEJO EDUCATIVO JAPON	M	58	50	108	28	32	60	22	34	56
214	COMPLEJO EDUCATIVO VICTORIA	M	30	30	60			0			0
177	ELFFY RIBERA DE BARBERY	M/T	34	41	75			0			0
228	HERNANDO SILES REYES	T	39	41	80	48	54	102	25	27	52
54	HERNANN GMEINER	M/T	18	17	35			0			0
131	HEROES DEL CHACO	T			0	29	28	57	38	47	85
242	HILANDERIA SANTA CRUZ	T	31	28	59	20	20	40	15	15	30
87	JAIME CANON	M/T			0	22	23	45	21	23	44
263	JOSEFINA GOITIA	T	13	39	52			0			0
86	LA SALLE	T			0	39	40	79	37	53	90
225	LAS AMERICAS	T	14	16	30	13	13	26	12	10	22
105	MAGISTERIO	M	24	19	43			0			0
91	MARIA GORETTI	T			0		90	90		79	79
11	MARIA VACA DIEZ	M			0	70	110	180	47	71	118
272	PALERMO 16 DE NOVIEMBRE	T	28	38	66			0			0
267	PLACIDO MOLINA	T			0	61	87	148	42	75	117
17	RAMON DARIO GUTIERREZ	T			0	78	43	121	43	67	110
174	SOR MARIA CRISTINA PEREZ	T	57	68	125			0			0
59	ZORAH DE CUELLAR	T			0	110	124	234	90	80	170
TOTAL			474	523	997	575	758	1333	459	650	1109

**REGISTERED STUDENTS**  
**COUNTRY: BOLIVIA - CITY: SANTA CRUZ**  
 One primary class and two secondary classes

**PRIVATE SCHOOLS**

N°	SCHOOL	TURN	8th.			1st.			2nd.		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
3	MIXTO SANTA CRUZ	M	9	20	29	19	8	27	10	19	29



5	VIDA NUEVA	T			0	15	15	30	13	12	25
6	W. AMADEO MOZART	M	23	16	39	28	18	46	20	19	39
11	LAS AMÉRICAS	T	20	19	39	12	18	30	21	22	43
13	BOLIVIANO JAPONES	M	7	9	16	16	16	32	16	12	28
14	CAMINO DEL SABER	M	10	12	22	11	9	20	15	10	25
16	DON BOSCO	M			0			0			0
19	ALFA OMEGA	M	10	15	25	10	10	20	10	10	20
22	ANIBAL ROJAS PALMA	T	19	16	35	18	32	50	16	25	41
25	BETHESDA	M	15	15	30	18	22	40	25	15	40
26	BOLIVIANO AMERICANO	M/T	35	45	80	43	37	80	41	44	85
30	CORAZÓN DE JESÚS	T			0			0			0
31	CRISTO REY	M/T	69	71	140	45	47	92	21	39	60
33	DOMINGO SAVIO	M/T			0			0			0
35	ENRIQUE FINOT	M			0			0			0
43	JOSE MIGUEL DE VELASCO	M	19	9	28	16	10	26	9	21	30
45	JESUS GALILEO	M/T	5	10	15	9	7	16	8	4	12
46	LA SALLE	M/T			0			0			0
47	LIBERTADOR SIMON BOLIMALE	M/T	16	24	40	16	16	32	22	20	42
48	MADRE VICENTA UBOLDI	M/T			0			0			0
49	LUZ DEL MUNDO	M	12	13	25	14	18	32	9	8	17
50	PAHUICHI	M	11	9	20	16	14	30	10	10	20
51	NUEVA AMERICA	T	29	21	50	30	30	60	29	36	65
64	SAVIA NUEVA	M	14	2	16	13	16	29	10	12	22
71	LATINOAMERICANO	T	10	10	20	11	9	20	8	13	21
			333	336	669	360	352	712	313	351	664

**PARTICIPATING STUDENTS**  
**COUNTRY: BOLIVIA - CITY: SANTA CRUZ**  
 One primary class and two secondary classes

**PUBLIC SCHOOLS**

N°	SCHOOL	TURN	CLASS	8th.			1st.			2nd.		
				Male	Female	Total	Male	Female	Total	Male	Female	Total
137	16 DE NOVIEMBRE	T	3			0	14	36	50	23	22	45
178	ALFREDO BARBERY CHAVEZ	T	2	23	25	48			0			0
179	ALFREDO BARBERY CHAVEZ	T	2			0	19	22	41	18	22	40

202	ANGELA PINCKERT	M/T	3	20	12	32	17	22	39	22	16	38
236	ARGENTINA QUIROGA CHAVEZ	M	2	23	22	45			0			0
97	CARMEN ORTIZ DE PEREDO	T	3	36	59	95			0			0
154	COMPLEJO EDUCATIVO JAPON	M	7	40	35	75	17	26	43	17	26	43
214	COMPLEJO EDUCATIVO VICTORIA	M	2	27	25	52			0			0
177	ELFFY RIBERA DE BARBERY	M/T	2	34	32	66			0			0
228	HERNANDO SILES REYES	T	5	29	22	51	38	45	83	18	22	40
54	HERNANN GMEINER	M/T	1	16	17	33			0			0
131	HEROES DEL CHACO	T	3			0	11	20	31	36	42	78
242	HILANDERIA SANTA CRUZ	T	4	24	22	46	14	21	35	15	12	27
87	JAIME CANON	M/T	2			0	19	17	36	15	21	36
263	JOSEFINA GOITIA	T	2	5	36	41			0			0
86	LA SALLE	T	5			0	16	23	39	33	50	83
225	LAS AMERICAS	T	3	10	9	19	11	8	19	10	11	21
105	MAGISTERIO	M	2	22	14	36			0			0
91	MARIA GORETTI	T	4			0		80	80		74	74
11	MARIA VACA DIEZ	M	7			0	64	98	162	38	64	102
272	PALERMO 16 DE NOVIEMBRE	T	2	23	30	53			0			0
267	PLACIDO MOLINA	T	7			0	51	70	121	30	62	92
17	RAMON DARIO GUTIERREZ	T	4			0	32	40	72	23	36	59
174	SOR MARIA CRISTINA PEREZ	T	3	46	66	112			0			0
59	ZORAH DE CUELLAR	T	5			0	82	96	178			0
			85	378	426	804	405	624	1029	298	480	778

**PARTICIPATING STUDENTS**  
**COUNTRY: BOLIVIA - CITY: SANTA CRUZ**  
 One primary class and two secondary classes

**PRIVATE SCHOOLS**

N°	SCHOOL	TURN	CLASS	8th.			1st.			2nd.		
				Male	Female	Total	Male	Female	Total	Male	Female	Total
3	MIXTO SANTA CRUZ	M	3	5	16	21	4	6	10	5	11	16
5	VIDA NUEVA	T	2			0	10	15	25	11	12	23
6	W. AMADEO MOZART	M	3	20	16	36	26	17	43	19	17	36
11	LAS AMÉRICAS	T	3	18	10	28	16	13	29	21	20	41
13	BOLIVIANO JAPONES	M	3	3	6	9	11	15	26	10	4	14

14	CAMINO DEL SABER	M	3	8	10	18	8	7	15	12	9	21
16	DON BOSCO	M				0			0			0
19	ALFA OMEGA	M	3	6	9	15	8	8	16	5	3	8
22	ANIBAL ROJAS PALMA	T	4	19	13	32	16	30	46	13	25	38
25	BETHESDA	M	3	10	10	20	15	17	32	19	11	30
26	BOLIVIANO AMERICANO	M/T	6	34	45	79	40	36	76	35	42	77
30	CORAZÓN DE JESUS	T				0			0			0
31	CRISTO REY	M/T	9	66	65	131	42	45	87	16	32	48
33	DOMINGO SAVIO	M/T				0			0			0
35	ENRIQUE FINOT	M				0			0			0
43	JOSE MIGUEL DE VELASCO	M	3	18	9	27	11	8	19	7	16	23
45	JESUS GALILEO	M/T	3	4	8	12	8	6	14	7	3	10
46	LA SALLE	M/T				0			0			0
47	LIBERTADOR SIMON BOLIMALE	M/T	3	16	24	40	15	16	31	19	18	37
48	MADRE VICENTA UBOLDI	M/T				0			0			0
49	LUZ DEL MUNDO	M	3	12	13	25	14	15	29	8	8	16
50	PAHUICHI	M	3	7	7	14	13	12	25	7	4	11
51	NUEVA AMERICA	T	6	22	17	39	30	29	59	25	34	59
64	SAVIA NUEVA	M	3	12	2	14	7	17	24	4	15	19
71	LATINOAMERICANO	T	3	8	8	16	7	7	14	4	10	14
			69	288	288	576	301	319	620	247	294	541

SUMMARY (SANTA CRUZ):

PUBLICS		PRIVATES	
N° of participating schools	25	N° of participating schools	19
Refusing schools	0	Refusing schools	6
TOTAL	25	TOTAL	25

**REGISTERED STUDENTS**  
**COUNTRY: BOLIVIA – CITY: LA PAZ**  
 One primary class and two secondary classes

**PUBLIC SCHOOLS**

N°	SCHOOL	TURN	8th.			1st.			2nd.		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
6	AGUSTIN ASPIAZU	M	30	30	60			0			0
8	ALFONSO PARDO UZEDA	T	16	19	35	10	10	20	8	10	18
9	ALFREDO MALEGAS	M	45	41	86	47	46	93	41	40	81
17	AYACUCHO	M			0	208	84	292	178	83	261
25	CLAUDIO SANJINEZ	T	34	38	72	75	60	135	40	38	78
28	COPACABANA	M			0	108	111	219	94	86	180
30	DANIEL SANCHEZ BUSTAMANTE	M			0	178	141	319	109	115	224
139	DON BOSCO PAMPAJASI	M	52	46	98			0			0

44	FELIX REYES ORTIZ	T	35	26	61	57	53	110	24	46	70
49	FRANZ TAMAYO	M			0	95	89	184	90	92	182
50	FUERZAS ARMADAS	T	36	48	84	50	40	90	30	25	55
71	JOSE MANUEL INDABURO	T	59	63	122			0			0
73	JOSE VICENTE OCHOA	N	14	44	58	23	23	46	22	20	42
86	LICEO FRANCIA	T	61	115	176			0			0
89	LICEO LA PAZ	M			0		309	309		310	310
97	LUIS ALBERTO PABON	M			0	84	81	165	73	56	129
98	LUIS ESPINAL CAMPS	T	39	32	71	21	18	39	19	22	41
141	MARIEN GARDEN	MT	77	79	156	86	76	162	66	72	138
121	REPUBLICA DE YUGOESLAVIA	T	77	75	152			0			0
128	SERGIO M. VILLEGAS	T	36	42	78	28	48	76	12	18	30
			611	698	1309	1070	1189	2259	806	1033	1839

**REGISTERED STUDENTS**  
**COUNTRY: BOLIVIA - CITY: LA PAZ**  
 One primary class and two secondary classes

**PRIVATE SCHOOLS**

N°	SCHOOL	TURN	8th.			1st.			2nd.		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	AMOR DE DIOS	M			0	21	22	43	22	24	46
2	AVE MARIA	M-T	25	25	50	19	21	40	21	19	40
13	SAGRADOS CORAZONES	M	71	71	142	64	58	122	65	67	132
15	SAN ANTONIO	M			0			0			0
16	SAN CALIXTO	MT	78	92	170	107	71	178	85	67	152
22	18 DE MAYO	M	67	72	139	79	77	156	65	62	127
23	18 DE MAYO	T	69	71	140			0			0
25	IGNACIO CALDERON	T			0	93	95	188	85	90	175
38	SAGRADA FAMILIA	M	28	33	61	37	46	83	23	60	83

45	MIGUEL DE CERVANTES	M	13	19	32	15	13	28	10	8	18
51	PETROLERO	M	29	20	49	37	24	61	43	27	70
57	ARGE3NTINO BOLIVIANO	M	5	4	9	6	5	11	5	9	14
60	BOLIVIANO NORUEGO	M			0			0			0
80	PANAMERICAN SCHOOL	M			0	15	10	25	17	18	35
86	SAN GENARO	M	24	22	46	20	20	40	31	19	50
88	SAN JORGE	M			0	22	28	50	11	11	22
89	SAN MARCOS	M	7	2	9	11	6	17	7	3	10
92	ADVENTISTA DEL SUR	M	11	21	32	25	14	39	15	23	38
95	INST. ADVENTISTA LOS ANDES	M	38	30	68	57	45	102	37	52	89
96	INSTITUTO AMERICANO	M	109	118	227	111	103	214	107	88	195
TOTAL			574	600	1174	739	658	1397	649	647	1296

**PARTICIPATING STUDENTS**  
**COUNTRY: BOLIVIA - CITY: LA PAZ**  
One primary class and two secondary classes

**PUBLIC SCHOOLS**

N°	SCHOOL	TURN	CLASS	8th.			1st.			2nd.		
				Male	Female	Total	Male	Female	Total	Male	Female	Total
6	AGUSTIN ASPIAZU	M	2	20	26	48			48			0
8	ALFONSO PARDO UZEDA	T	3	10	14	27	5	6	38	7	9	16
9	ALFREDO MALEGAS	M	6	45	35	86	40	38	164	37	39	76
17	AYACUCHO	M	5			5	44	16	65	61	26	87
25	CLAUDIO SANJINEZ	T	5	31	35	71	8	15	94	18	12	30
28	COPACABANA	M	4			4	38	43	85	44	35	79
30	DANIEL SANCHEZ BUSTAMANTE	M	4			4	27	23	54	30	21	51
139	DON BOSCO PAMPAJASI	M	2	51	46	99			99			0
44	FELIX REYES ORTIZ	T	6	16	13	35	26	27	88	19	33	52
49	FRANZ TAMAYO	M	4			4	23	37	64	36	42	78
50	FUERZAS ARMADAS	T	5	31	43	79	47	36	162	24	25	49

71	JOSE MANUEL INDABURO	T	3	31	41	75			75			0	
73	JOSE VICENTE OCHOA	N	4	27	38	69	17	22	108	20	16	36	
86	LICEO FRANCIA	T	6	50	94	150			150			0	
89	LICEO LA PAZ	M	4			4		84	88		71	71	
97	LUIS ALBERTO PABON	M	4			4	19	21	44	26	14	40	
98	LUIS ESPINAL CAMPS	T	4	36	23	63	19	18	100	17	18	35	
141	MARIEN GARDEN	MT	4	18	31	53	19	25	97	26	57	83	
121	REPUBLICA DE YUGOESLAVIA	T	3	43	58	104			104			0	
128	SERGIO M. VILLEGAS	T	5	31	39	75	23	37	135	9	18	27	
TOTAL				83	440	536	1059	355	448	1862	374	436	810

**PARTICIPATING STUDENTS**  
**COUNTRY: BOLIVIA - CITY: LA PAZ**  
 One primary class and two secondary classes

**PRIVATE SCHOOLS**

N°	SCHOOL	TURN	CLASS	8th.			1st.			2nd.		
				Male	Female	Total	Male	Female	Total	Male	Female	Total
1	AMOR DE DIOS	M	4			0	27	29	56	27	32	59
2	AVE MARIA	M-T	3	22	25	47	15	18	33	18	17	35
13	SAGRADOS CORAZONES	M	4	17	30	47	20	35	55			0
15	SAN ANTONIO	M	5			0			0			0
16	SAN CALIXTO	MT	5	39	39	78	27	18	45	39	24	63
22	18 DE MAYO	M	3	18	26	44	32	28	60	15	18	33
23	18 DE MAYO	T		29	29	58			0			0
25	IGNACIO CALDERON	T	4			0	26	35	61	22	38	60
38	SAGRADA FAMILIA	M	5	13	10	23	37	43	80	25	52	77
45	MIGUEL DE CERVANTES	M	3	12	19	31	14	13	27	8	4	12
51	PETROLERO	M	3	25	20	45	13	11	24	18	16	34
57	ARGE3NTINO BOLIVIANO	M	3	5	4	9	4	5	9	3	8	11
60	BOLIVIANO NORUEGO	M				0			0			0

80	PANAMERICAN SCHOOL	M	2			0	14	9	23	16	18	34
86	SAN GENARO	M	3	23	21	44	20	20	40	25	15	40
88	SAN JORGE	M	3			0	20	20	40	16	6	22
89	SAN MARCOS	M	3	6	2	8	6	3	9	5	3	8
92	ADVENTISTA DEL SUR	M	3	11	20	31	25	14	39	15	22	37
95	INST. ADVENTISTA LOS ANDES	M	5	34	29	63	56	34	90	18	25	43
96	INSTITUTO AMERICANO	M	6	41	44	85	45	35	80	31	37	68
			67	295	318	613	401	370	771	301	335	636

SUMMARY (LA PAZ):

PUBLICS		PRIVATES	
N° of participating schools	20	N° of participating schools	18
Refusing schools	0	Refusing schools	2
TOTAL	20		20

TOTAL SAMPLE SUMMARY:

CITIES	REGISTERED			PARTICIPATING		
	PUBLICS	PRIVATES	TOTAL	PUBLICS	PRIVATES	TOTAL
COCHABAMBA	4100	3901	8001	2759	2498	5257
SANTA CRUZ	3439	2045	5484	2611	1737	4348
LA PAZ	5407	3867	9274	3731	2020	5751
TOTAL	12946	9813	22759	9101	6255	15356





## **Objectives of the GYTS**

The GYTS is a school-based tobacco specific survey that focuses on students aged 13-15 years. The objective of this survey is two fold:

- 1) To document and monitor prevalence of tobacco use including: cigarette smoking and current use of smokeless tobacco, cigars or pipes.
- 2) To better understand and assess students' attitudes, knowledge and behaviors related to tobacco use and its health impact, including cessation, environmental tobacco smoke (ETS), media and advertising, minors' access, and school curriculum.

The GYTS will attempt to address the following issues:

- determine the level of tobacco use
- estimate age of initiation of cigarette use
- estimate levels of susceptibility to become cigarette smokers
- identify key intervening Maleiables such as attitudes and beliefs on behavioral norms with regard to tobacco use among young people which can be used in prevention programmes
- assess the extent to which major prevention programmes are reaching school-based populations and establish the subjective opinions of those populations regarding such interventions.

## **Content of GYTS:**

- \* Smoking status of youth
- \* Age of initiation of cigarette use
- \* Number of cigarettes smoked in lifetime
- \* Frequency of smoking
- \* Likelihood of smoking
- \* Knowledge and attitudes toward smoking
- \* Knowledge and attitudes toward cessation
- \* Exposure to environmental tobacco smoke (ETS) - amount/duration
- \* Access to cigarettes
- \* Exposure to media and advertising
- \* School curriculum

Technical Assistance for the GYTS is provided by TFI/WHO and the OSH/CDC. The following technical assistance is provided:

- \* Sample design and selection
- \* Design of country-specific questionnaire
- \* Training of survey administrators
- \* Answer sheets and other forms
- \* Development of survey administrator handbook
- \* Answer Sheet scanning
- \* General data management
- \* Editing and weighting of data

- \* Preliminary data report and data file
- \* Preparation of reports

### **The application of the questionnaire in Bolivia**

1.- In Bolivia, the application of the questionnaire was not difficult. The pupils found it easy to follow and to fill. There were no questions about how to fulfill it, nor about the meaning of some questions, as usually happens with other instruments.

2.- We had difficulties with some catholic schools and with the most of the, so called, “christian schools” in the three Bolivian cities selected for the study, but specially in Santa Cruz city. Some of them rejected the study and denied the access of our researchers to their schools.

Other difficulty was that during the process of data collect, the Bolivian teachers declared a national strike.

This strike was not only of teachers but also of other social sectors. This was a serious difficulty for our researchers because they could not find transport, or whatever and due to this, the study was paralyzed. During the last 15 years, did not happen such social convulsion in Bolivia.

3.- All participant schools cooperated with our research willingly (except some catholic and Christian schools, as was pointed out before). Perhaps one difficulty was that sometimes some schools scheduled a calendar of work for CELIN which had taken too long (one or two and even three weeks), especially when the sample included more than three classes of the same school.

About the questionnaire itself, some questions do not have the option “ninguna” (none) in 29 and 30 questions, or “No sé” (I do not know) in questions N° 18, 19, 20, 27, 28, 31 and 32.

In Bolivia, specifically, missed the option 8th. Grado (8<sup>th</sup> degree) in question N° 57 which was added by us with letter “E”.

In question 15<sup>th</sup> is missing the option Your parents used to smoke but they do not smoke any more.

As this options missed, some pupils left these questions without answer, specially in Santa Cruz city.

### **Coordination of the study**

The coordination of the study had been made through E-mail with OPS (Washington), and CDC (Atlanta) after a trip of the Coordinator of the study in Bolivia, to Barbados.

## **Note**

The GYTS was carried out (field work) in Bolivia between August and October, 2000 (The processes was interrupted for more than one month, due to a national teachers strike) in Santa Cruz, Cochabamba and La Paz cities.

The product of the study had been sent to CDC on wednesday, November the first.

La Paz, November 3rd, 2000.