



17th St. & Constitution Avenue N.W.
Washington, D.C. 20006
United States of America

Organization of American States

P. 202.458.3000
www.oas.org

INTER-AMERICAN DRUG ABUSE
CONTROL COMMISSION
CICAD

Secretariat for Multidimensional Security

FORTY-SEVENTH REGULAR SESSION
May 3 - 5, 2010
Washington, DC

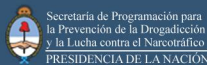
OEA/Ser.L/XIV.2.47
CICAD/doc.1791pp/10
3 May 2010
Original: Español

MARIHUANA: TOXICITY, RISKS AND TRENDS
JOSE RAMON GRANERO
SECRETARIA DE PROGRAMACION PARA LA PREVENCION DE LA DROGADICCION OY LA LUCHA
CONTRA EL NARCOTRAFICO (SENDRONAR)



Secretaría de Programación para la Prevención de la Drogadicción y la Lucha contra el Narcotráfico

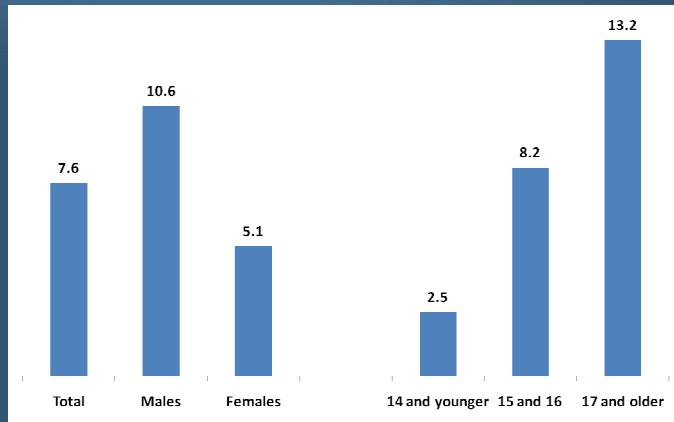
ARGENTINA



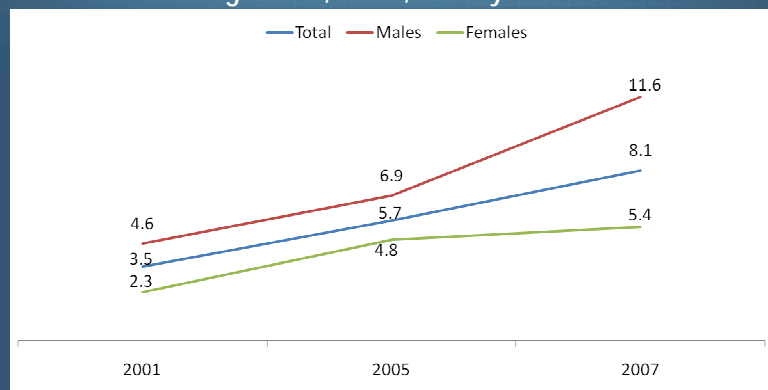
Secretaría de Programación para
la Prevención de la Drogadicción
y la Lucha contra el Narcotráfico
PRESIDENCIA DE LA NACIÓN

Cannabis use among 13 -17 year-old teenagers, by age group and gender. Third National Survey of Secondary Education Students. Argentina, 2007

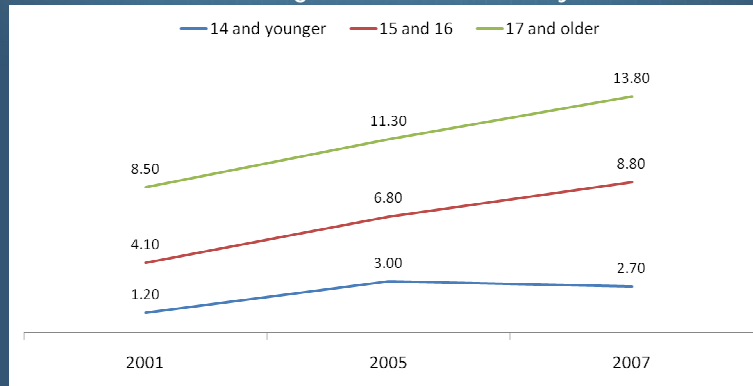
Average of First Use Age: 15 years old. There are also first uses at 13 and 17 years old.



Trends in cannabis use among 13-17 year-old teenagers, by gender. Third National Survey of Secondary Education Students. Argentina, 2001, 2005 y 2007



Trends in cannabis use among 13-17 year-old teenagers, by gender. Third National Survey of Secondary Education Students. Argentina, 2001, 2005 y 2007



Comparative Study, Sub-regional System 2010 Lifetime, last year and last month prevalences of cannabis use in school students, by country

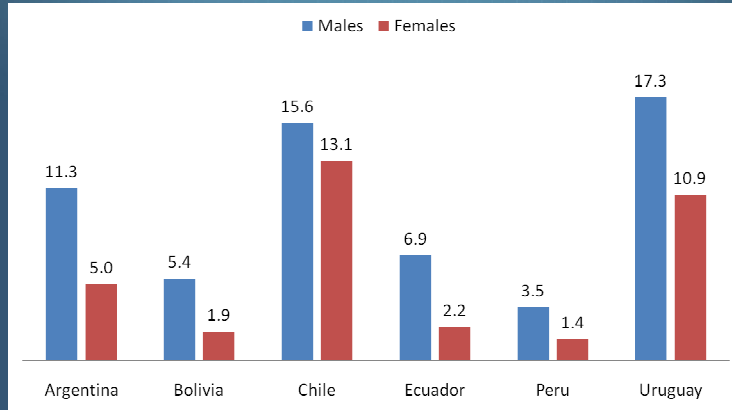
Country	Prevalence [#]		
	Lifetime	Last Year	Last Month
Argentina	12.00	8.16	4.91
Bolivia	5.60	3.33	1.80
Chile	23.00	14.30	7.60
Ecuador	6.90	4.44	2.33
Peru	4.10	2.39	1.10
Uruguay	18.00	13.90	8.38



OBSERVATORIO
Argentino de Drogas

Comparative Study, Subregional System 2010

Last year prevalence of cannabis use in school students by country, age group and gender



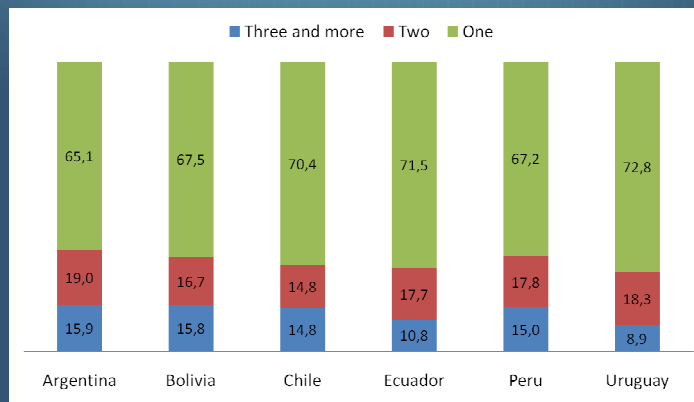
Secretaría de Programación para
la Prevención de la Drogadicción
y la Lucha contra el Narcotráfico
PRESIDENCIA DE LA NACIÓN



OBSERVATORIO
Argentino de Drogas

Comparative Study, Sub-regional System 2010

Combined use: Distribution of Last year's Illegal Drugs Users, by same quantity of drugs used at the same time and by country



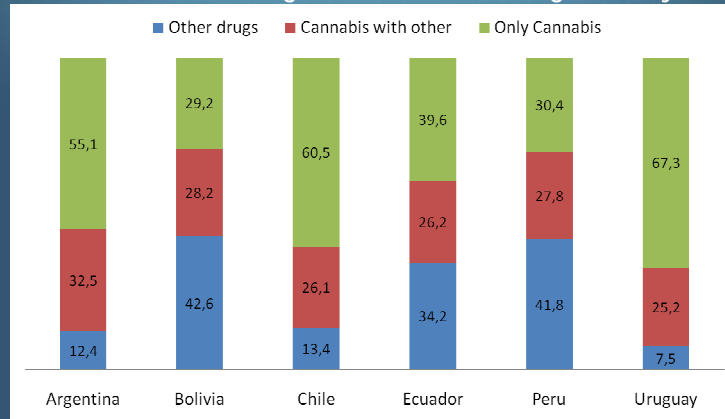
Secretaría de Programación para
la Prevención de la Drogadicción
y la Lucha contra el Narcotráfico
PRESIDENCIA DE LA NACIÓN



OBSERVATORIO
Argentino de Drogas

Comparative Study, Sub-regional System 2010

Combined use: Percentage distribution of only cannabis use, cannabis with other drugs use and other drugs use, by country



Secretaría de Programación para
la Prevención de la Drogadicción
y la Lucha contra el Narcotráfico
PRESIDENCIA DE LA NACIÓN



OBSERVATORIO
Argentino de Drogas

Perception of High Risk Associated with Cannabis, by frequency of use. Third National Survey of Secondary Education Students. Argentina, 2007

- 19.4% Tried Cannabis once or twice in a lifetime
- 14.7% Smoke Cannabis sometime
- 70.5% Usually smoke Cannabis



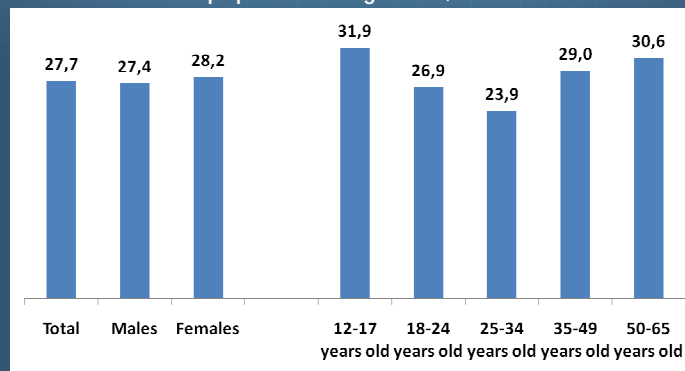
Secretaría de Programación para
la Prevención de la Drogadicción
y la Lucha contra el Narcotráfico
PRESIDENCIA DE LA NACIÓN



OBSERVATORIO
Argentino de Drogas

Cannabis use cause addiction

Percentage of population that present signs and symptoms of cannabis dependence among last year's users. National Study in 12-65 yrs-old population. Argentina, 2006



Secretaría de Programación para
la Prevención de la Drogadicción
y la Lucha contra el Narcotráfico
PRESIDENCIA DE LA NACIÓN



OBSERVATORIO
Argentino de Drogas

Drug Treatment Demand

National Data, including 57 treatments centers and 2965 patients
(Registro Continuo of Patients in Treatment 2008-09)

- The demand of treatment due to Cannabis use is 24.3%, is lower than the demand due to Alcohol (29.3%) and higher than the demand due to Cocaine (22,4 %).

Substance	Cases	(%)
Alcohol	883	29.8
Inhalants and Solvents	149	5.0
Cannabis	720	24.3
Cocaine HCL	665	22.4
Cocaine Sulfate (<i>Pasta Base</i>)	210	7.1
Benzodiazepines	117	3.9
Other Drugs	10	7.5
Total	2965	100



Secretaría de Programación para
la Prevención de la Drogadicción
y la Lucha contra el Narcotráfico
PRESIDENCIA DE LA NACIÓN

*43 without information

Percentage Distribution of students by access to illegal drugs. Argentina, 2007

Access	Cannabis	Cocaine	Base paste	Éxtasis
Easy access	35.5	21.8	21.3	15.1
Hard access	9.5	17.2	13.7	14.8
Couldn't find	14.4	17.2	19.4	20.8
Don't know	40.6	43.8	45.6	49.3
Total	100	100	100	100

Cannabis Supply

- 16,4% of students reported having been offered cannabis at least once in the last year, to buy or to try it. 6,4% reported having been offered before last year.

Percentage distribution of students by illegal drugs offering place drogas ilegales. Secondary School Students that have been directly offered. Argentina, 2007

If you've been offered, ¿where did it happened last time?	Cannabis	Other Drug
Home	3.4	6.1
School	8.1	7.6
School Surrounding Area	8.3	7.0
Party or Recital	33.9	33.1
Home Surrounding Area	15.5	13.5
Internet	1.9	3.3
Other Place	29.0	29.5
Total	100 (N=327.779)	100 (N=209.341)

THC

Composition

Composition

The Cannabis plant contains over 400 different chemicals, 60 of which are structurally related to delta-9 tetrahydrocannabinol or THC, which is the main psychoactive of the plant. It also contains other cannabinol and delta-8, as second , psychoactive and the rest of them are inactive or weak psychoactives that have the potential to increase its activities together with the THC.

The concentration of these psychoactive substances depends on the variety of the Cannabis: the most psychoactive one is the "Indica" and "Sativa", and the less concentrated the "Ruderalis".

The amount of THC varies between 1 and 4% for American crops and 5-15% in Asia's most resinous plants. In genetically developed varieties it usually intended to achieve the highest possible values.

Composition

Farnsworth (5) states that changes of chemical composition and biological activity of Cannabis in men, are mainly due to the fact that some components are unstable and change shape; these biological conversions take place more rapidly in tropical regions than in temperate zones, so it is expected that the plants that grown in warm places have higher psychocative concentrations.

Moreover, these concentrations continue to have biological conversions after plant harvesting, so samples of the same specimen that does not have the same storage time, give rise to different effects when it is consumed.

Composition

<http://www.sertox.com.ar/modules.php?name=Content&pa=showpage&pid=681>
<http://www.soyborderline.com/documentacion-y-articulos/ultimas-noticias/4258-las-concentraciones-del-ingrediente-activo-del-cannabis-el-delta-9-tetrahydrocannabinol-9-thc-incrementan-el-riesgo-de-psicosis.html>

On-line Sale

Information and On –line Sale

<http://cannabiscultivo.mibitacora.com/>

<http://sensiseeds.com/semillas-feminizadas/>

<http://www.cactusmartorell.com/growshop/semillas-marihuana-regulares-13/>

<http://rastaunity.com/cultivo.php>

Topics to discuss

- Medical Marihuana
- Legal issues about use and possession

–Thank you for your attention–

José R. Granero
Secretario de Estado
SEDRONAR