



Burlington, VT

Models of Prevention

From Concept to Public Policy



The Chilean Story

H.E. Soriano M.D.

A photograph of a large, multi-story wooden building on a pier at dusk. The building has a prominent roof with two small towers and is illuminated from within, with its lights reflecting on the water. The sky is dark with some clouds, and the water is dark with some ripples. The overall scene is a serene, late-evening view of a waterfront building.

H. E. Soriano, M. D.

No conflict of interest

Pediatric Society Goals: 2013

- **Decrease substance abuse**
- **Decrease obesity**
(healthy eating and exercise)
- **Maintain high rates of Vaccination**

Vision: Healthier, happier children

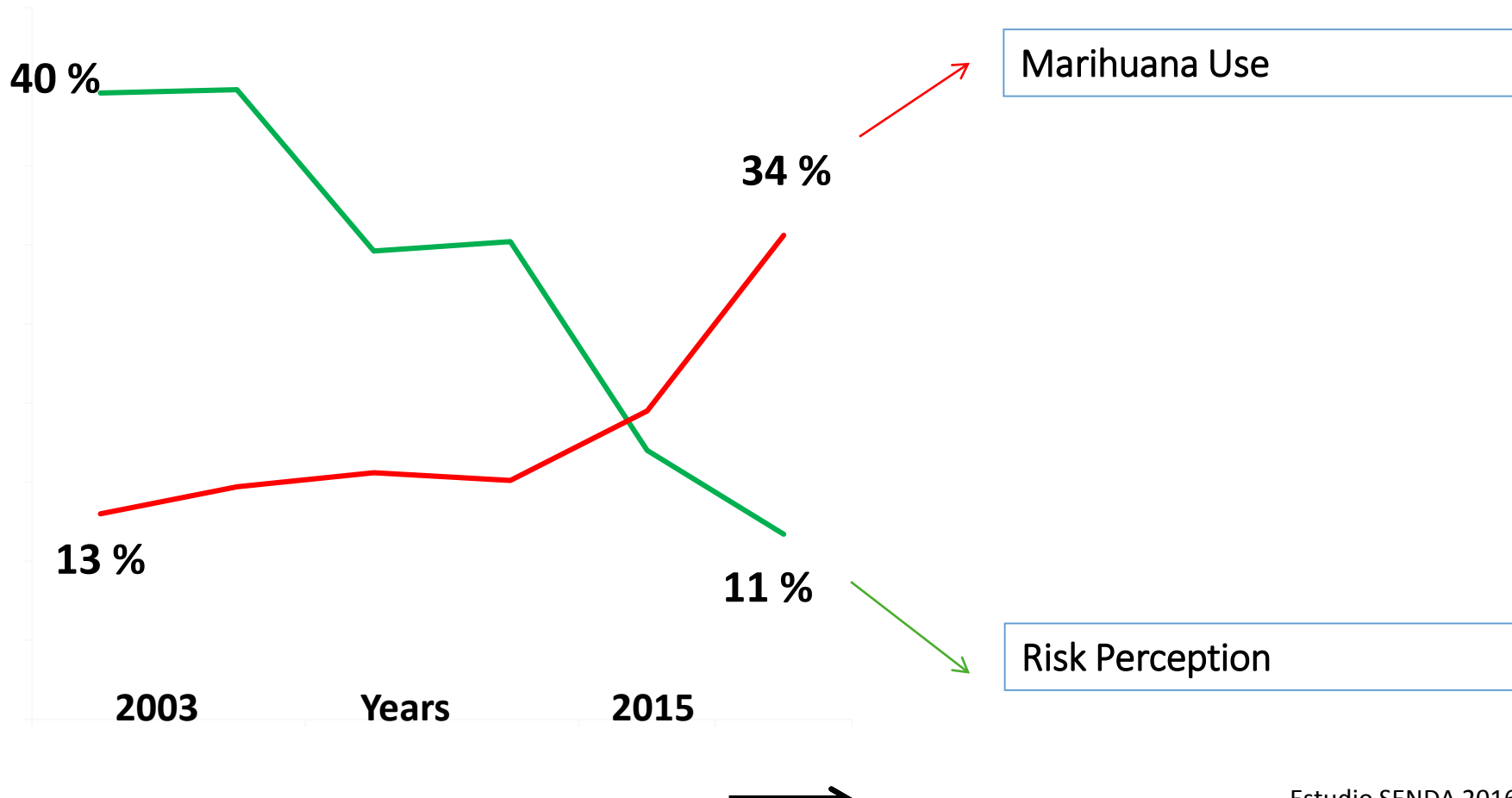


Board of Directors, Pediatric Society with Surgeon General

Synergy on Vaccination, prevention of substance abuse and healthy lifestyles.




Marihuana: Risk perception vs. Consumption



Publicidad del tabaco

Dr. Batty's



For Your Health
ASTHMA CIGARETTES
SINCE 1907
For the temporary relief of paroxysms of asthma

EFFECTIVELY TREATS:
ASTHMA, HAY FEVER, FOUL BREATH
ALL DISEASES OF THE THROAT,
HEAD COLDS, CANCER SOURS,
BRONCHIAL IRRITATIONS
NOT RECOMMENDED FOR CHILDREN UNDER 6.

According to repeated nationwide surveys,

**More Doctors
Smoke CAMELS
than any other
cigarette!**



Doctors in every branch of medicine were asked, "What cigarette do you smoke?" The brand named most was Camel!

You'll find Camel cigarettes wherever you travel. They're smooth, rich, and delicious. They're the favorite of the world's most distinguished smokers. They're the only brand that's been recommended by the American Medical Association.

THE DOCTORS' CHOICE IS AMERICA'S CHOICE!



For 30 days, test Camels in your "Pilot" (17 for Three, 17 for Two).

Viceroy
FILTER
the Smoke!



As your Dentist, I would recommend VICEROYS




NOW...Scientific Evidence on Effects of Smoking!

"Chesterfield has been found to be the most palatable and satisfying to the throat of any cigarette. This was the test of 100,000 CHESTERFIELD IS BEST FOR ME!"

First and Only Premium Quality Cigarette in Both Regular and King-Size



**MUCH MILDER
CHESTERFIELD
IS BEST FOR YOU**

Alcohol & Drugs: Hurt Children!

Children's Brain is more vulnerable:

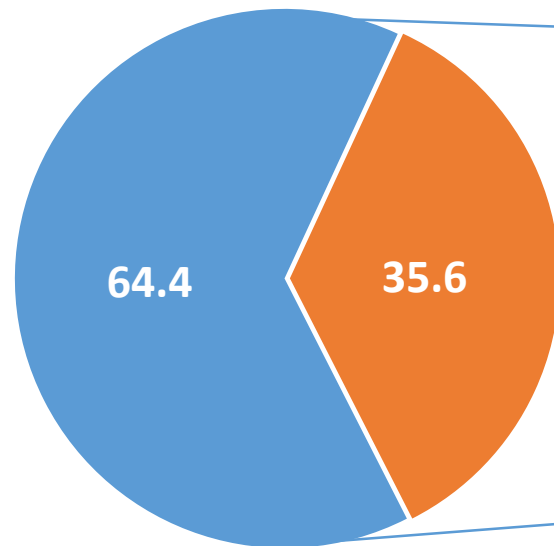
- Neuron pruning
- Axons not covered by myelin

T.E Robinson, B. Kolb. Neuropharmacology 2004, 47:33-46.
*Volkow, 2014, **N Eng. J. Medicine***

Immature Frontal Cortex Leads to less impulse control

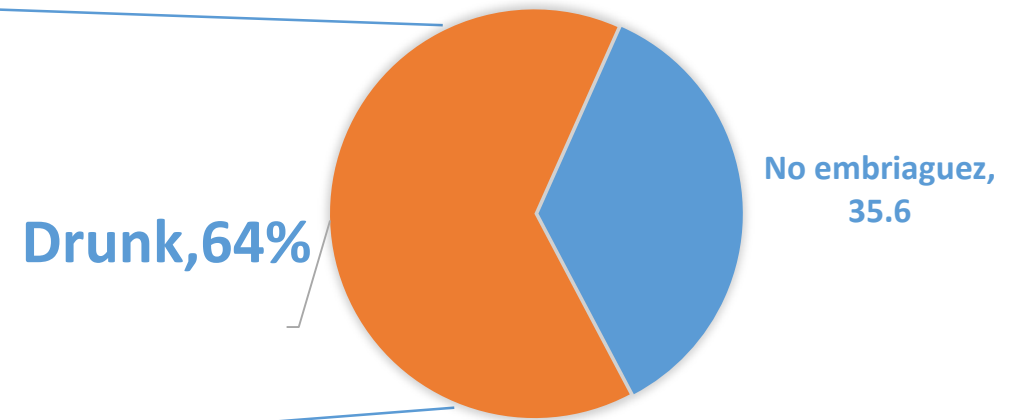
64% of Children who drink...get drunk!

1 in 3 drink



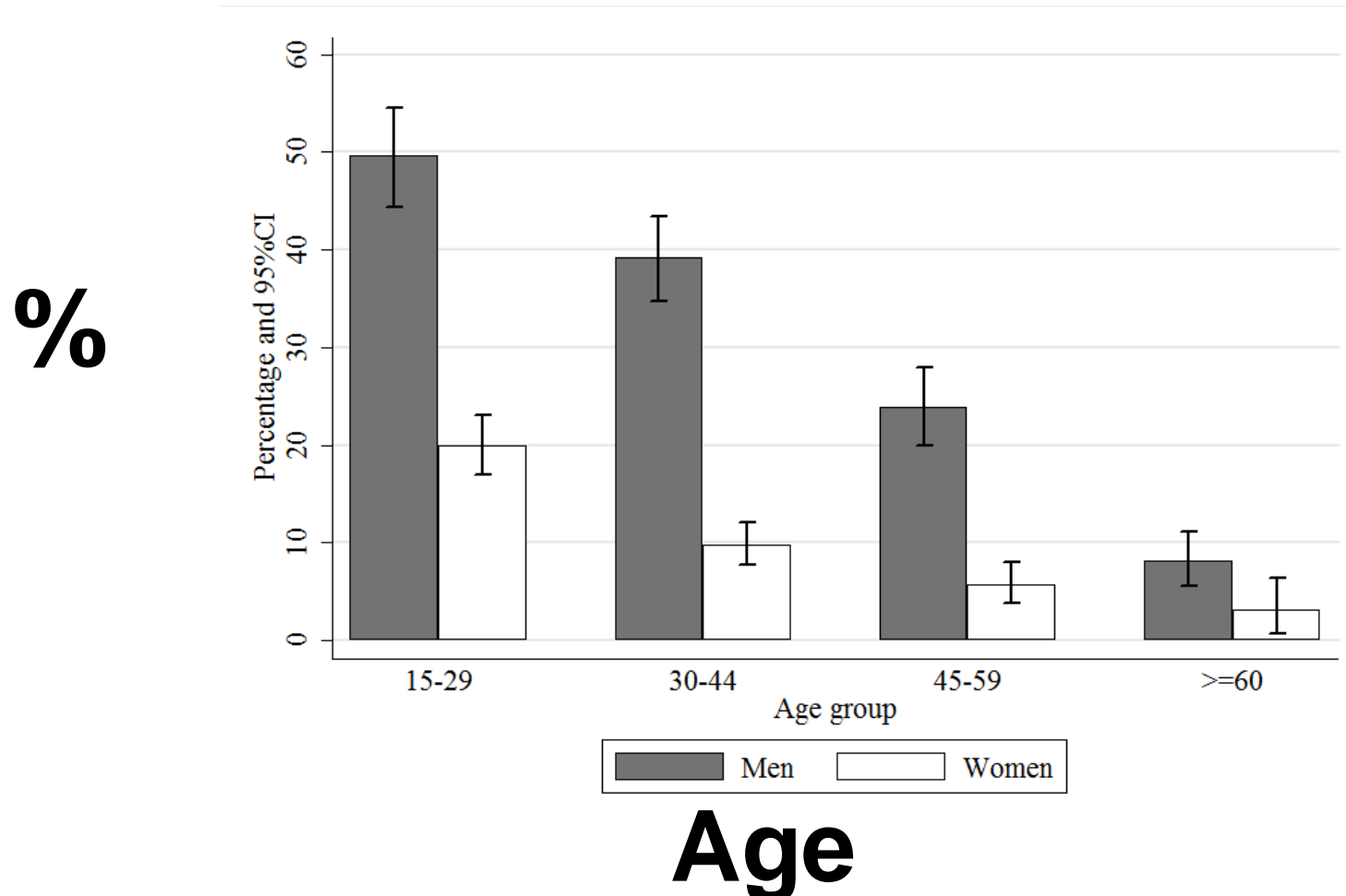
■ No prevalentes mes ■ Prevalentes Mes

Drunk 1 in 5

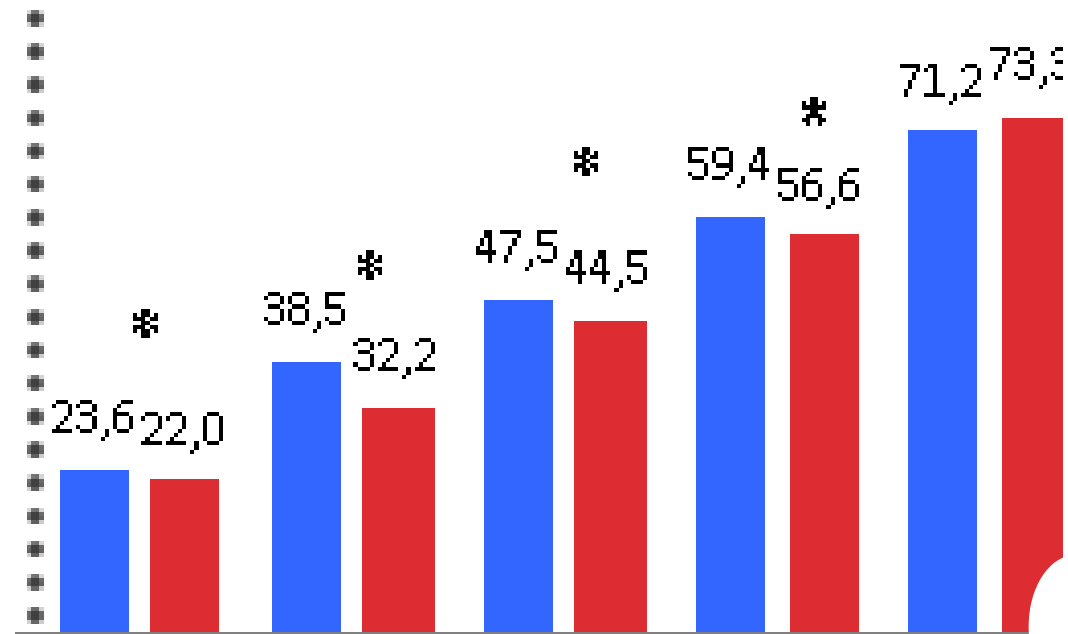


Aproximadamente uno de cada 5 de estudiantes de 7mo a 4to medio (219.796) declararon en 2015 haber tenido a lo menos un episodio de embriaguez en los últimos 30 días

% Deaths Attributable to Alcohol Chile, 2009.



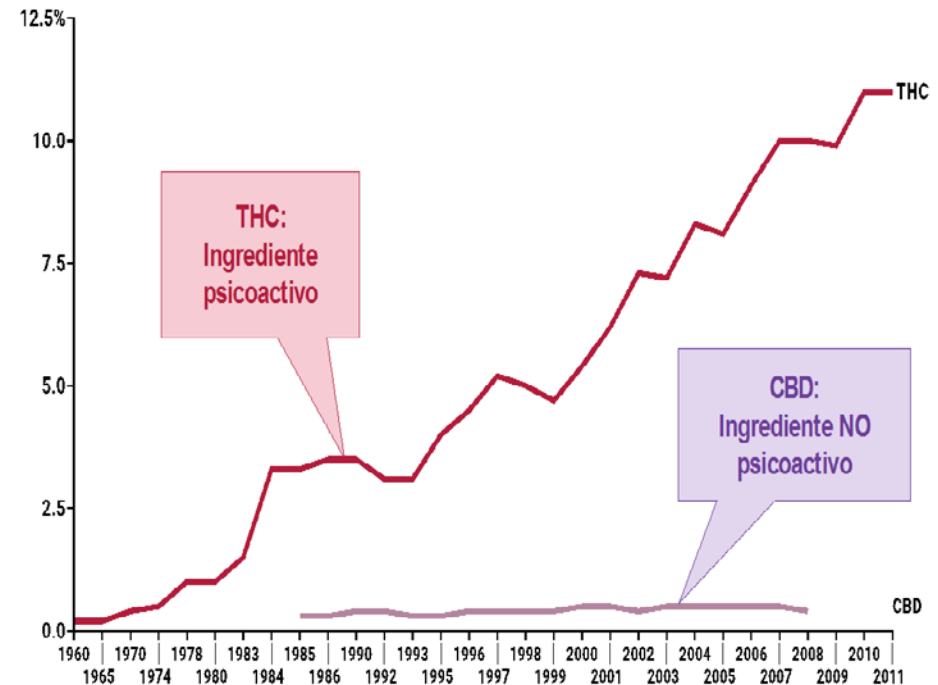
Children who find it easy to buy alcohol 8th to 12th grade 2013 - 2015



Marihuana: Today a different drug!

- **7 X more potent.**
- **1 in 6 become addicts.**

Niveles promedio de THC y CBD
en los EUA



Marihuana: Hurts children's health

Regular use:

- Learning disabilities
- Lowers school performance
- Increases dropout rate

Silins E et al., The Lancet Psychiatry 2014; 1(4): 286-293.

Consistent use:

- Lowers IQ 8 points
- Irreversible if started under age 18

Meier MH et al., Proc Natl Acad Sci USA 2012; 109(40): E2657-E2564.

Marihuana: Drives them mad...

- Increases risk of psychosis, schizophrenia and other mental illnesses.

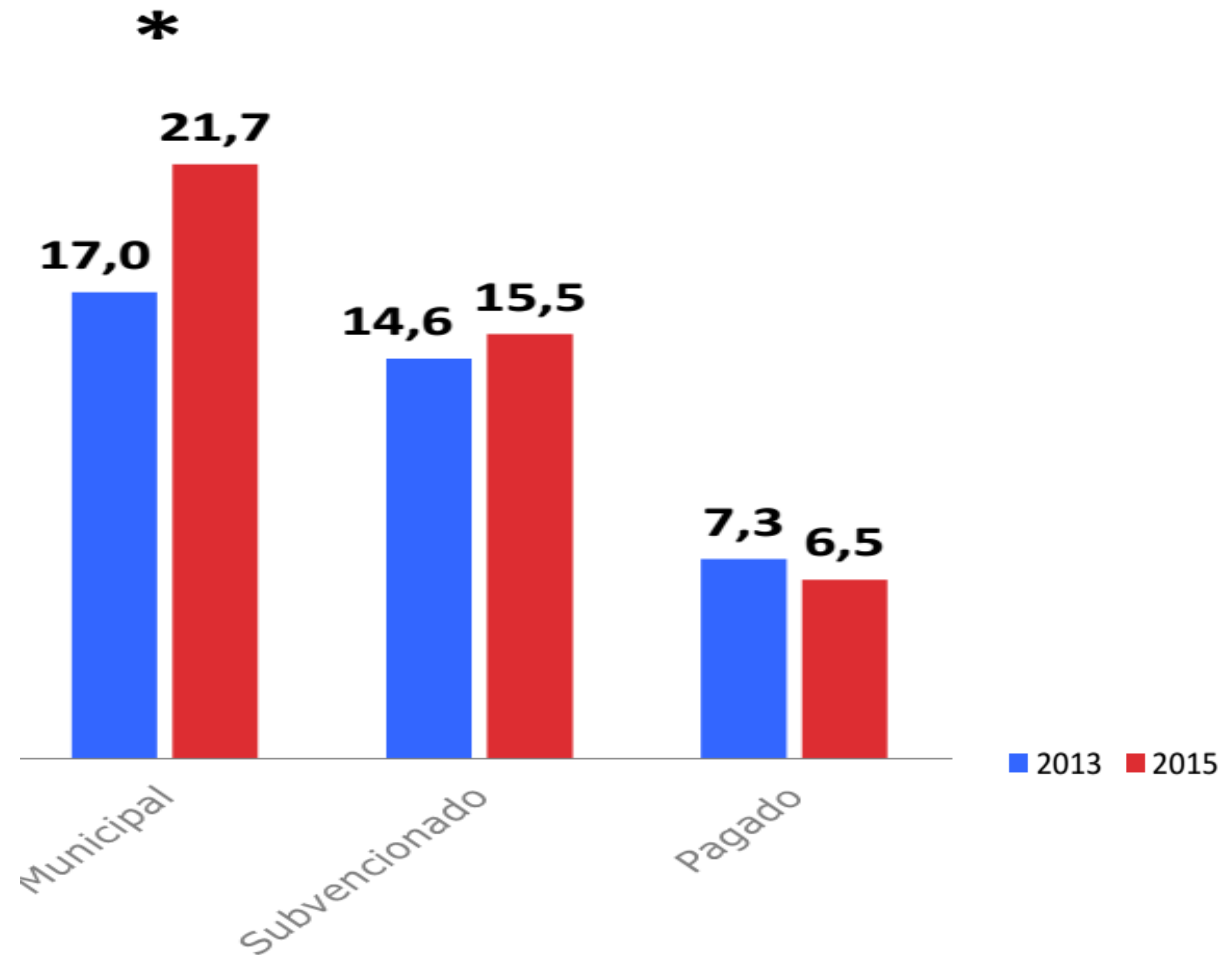
Volkow N et al., *N Engl J Med* 2014; 370: 2219-27;

The health y and social effects of nonmedical cannabis use. **WHO** , 2016.

- Lowers achievements.
- Chronic bronchitis.

Marihuana:

A liberal's concern: Affects the poor more



Marihuana: Risks of use and legalization

- Increased vehicle **accidents**

Volkow N et al., N Engl J Med 2014; 370: 2219-27.

- Increased fatal **accidents** 2.5 times.

Laumon B. et al., BMJ 2005; 331(7529): 1371.

- In Washington **MVA deaths doubled** since legalization

Marihuana: Chilean youth are continental record holders!

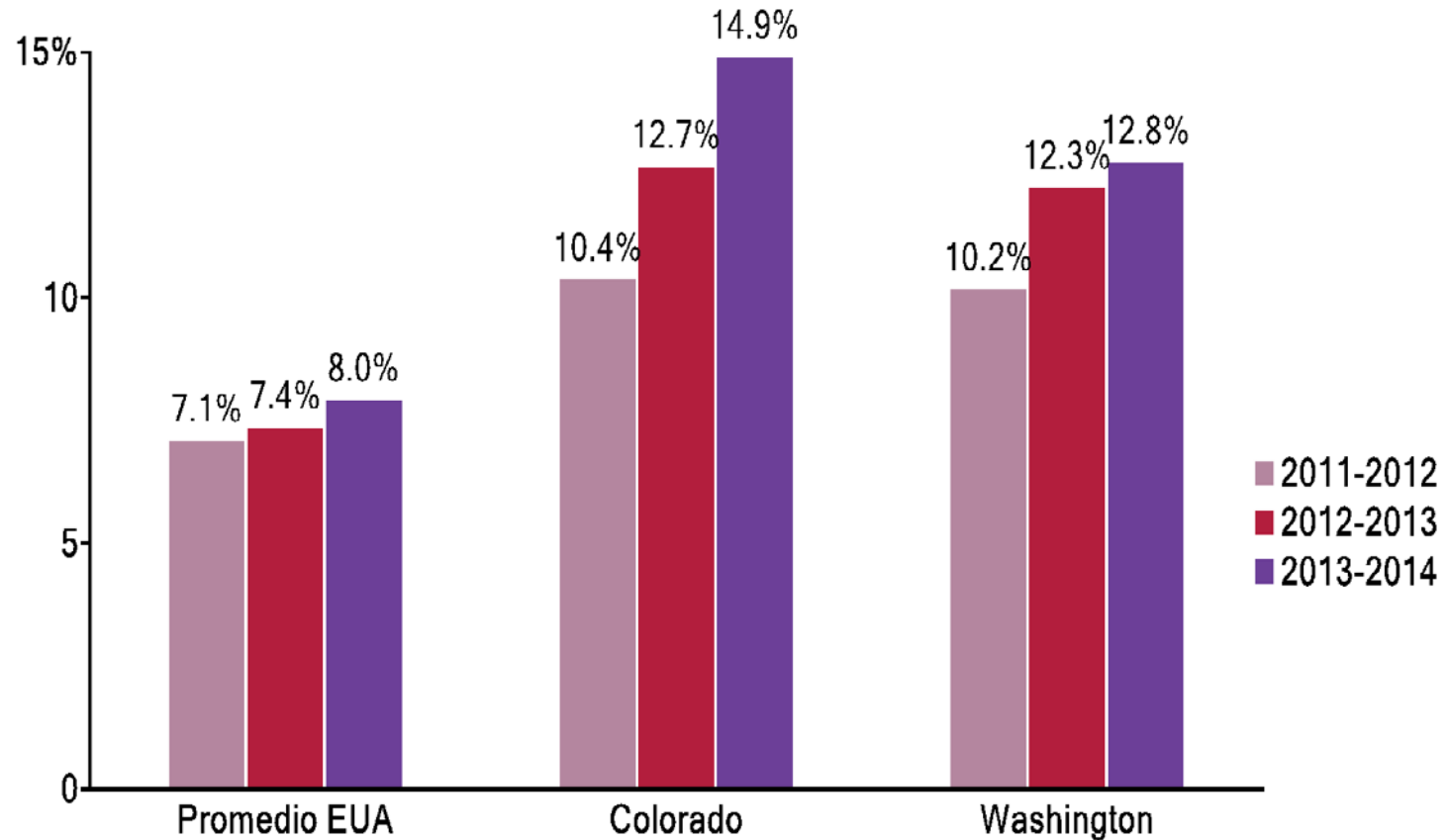
- Report on youth use by OAS 2015

First cause of addiction treatment in Chile

SENDA, 2015

Marihuana: Legalization Increases consumption

Aumenta el consumo:



Chile 2017 Survey

What do voting parents want

What would you do with an extra hour per day?

1 st Share with Friends and Family	56%
2 nd Physical activity	49%

Chile 2017 Survey

Main concern of voting parents?

**1st - Possible use of drugs and alcohol
at school 60 %**

So...

¿What can we do?

¿How can we protect our kids?

Drug on wars fails...

Scare tactics don't work

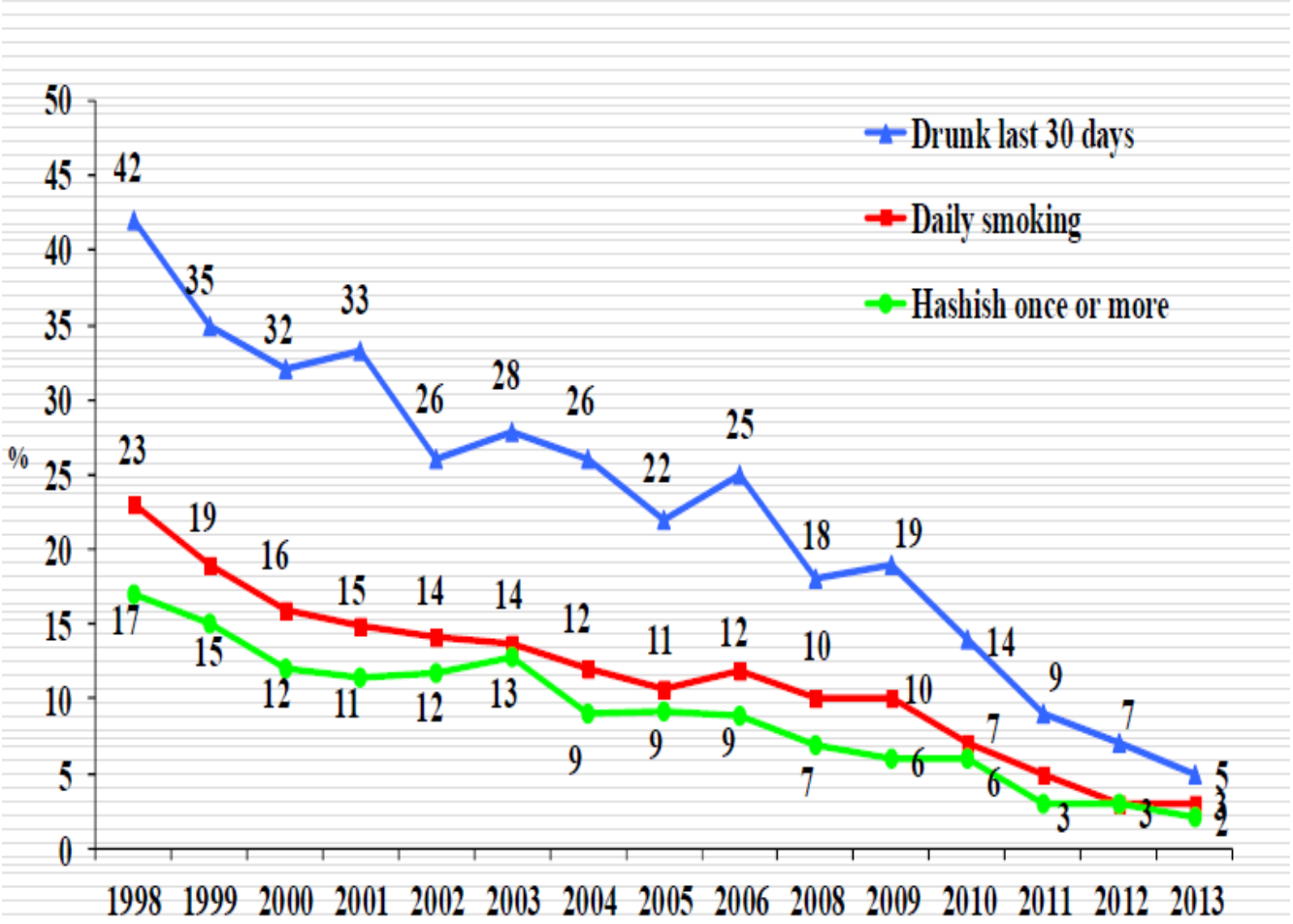
¿What does work?

The Icelandic Model

Alcohol

Cigarro

Marihuana



Sigfúsdóttir ID.

SEMINAR 2017

24 AGOSTO
Desde las 8:15 a las 18:30 hrs.

SEMINARIO
NIÑOS Y ADOLESCENTES LIBRES DE ALCOHOL Y DROGAS
Un método comprobado para nuestros barrios

Centro de Extension de la Pontificia Universidad Católica, Salón Fresno.
Av. Libertador Bernardo O'Higgins 390, Santiago.


Inga Dóra Sigfúsdóttir
Directora Científica del Centre de Investigación y Análisis Social de Islandia


Jón Sigfússon M.Ed.
Director del Centro de Investigación y Análisis Social de Islandia


Ólafur Ragnar Grímsson
Ex Presidente de Islandia

INSCRIPCIONES: WWW.SOCHIPE.CL

ORGANIZAN



ENCUENTROS EL MERCURIO





ÓLAFUR RAGNAR GRÍMSSON, INGA DÓRA SIGFÚSDÓTTIR Y JÓN SIGFÚSSON:
DROGAS Y ALCOHOL EN JÓVENES: EL EXITOSO MODELO ISLANDÉS

MIÉRCOLES 23 DE AGOSTO / 19:30 HRS. / EN EL MERCURIO

Quando los índices de consumo adolescente de drogas y alcohol han batido todos los récords en Chile, los gestores del programa islandés -que logró bajar las cifras en forma considerable- ahondarán sobre el programa "Juventud en Europa" y sus posibilidades de implementación.

Ólafur Ragnar Grímsson: Ex presidente de Islandia por cinco periodos, hasta 2016.
Inga Dóra Sigfúsdóttir: Doctora en Sociología, cofundadora del Centro de Investigación y Análisis Social de Islandia.
Jón Sigfússon: Experto en Salud Pública y cofundador del Centro de Investigación y Análisis Social de Islandia.

Modera: Daniel Johnson, director ejecutivo Fundación Paz Ciudadana.

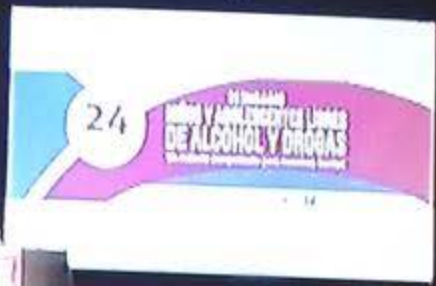
Valores: Socios Club de Lectores \$5.000 / Público general \$7.000
Venta de entradas: +56 2 2753 6363 y en Casas Club Alto Las Condes, Bandera 331 y Santa María
Compra online y más información en www.encuentroselmercurio.cl

NINOS Y ADOLESCENTES LIBRES DE ALCOHOL Y DROGAS

Un método comprobado para nuestros barrios

ORGANIZAN



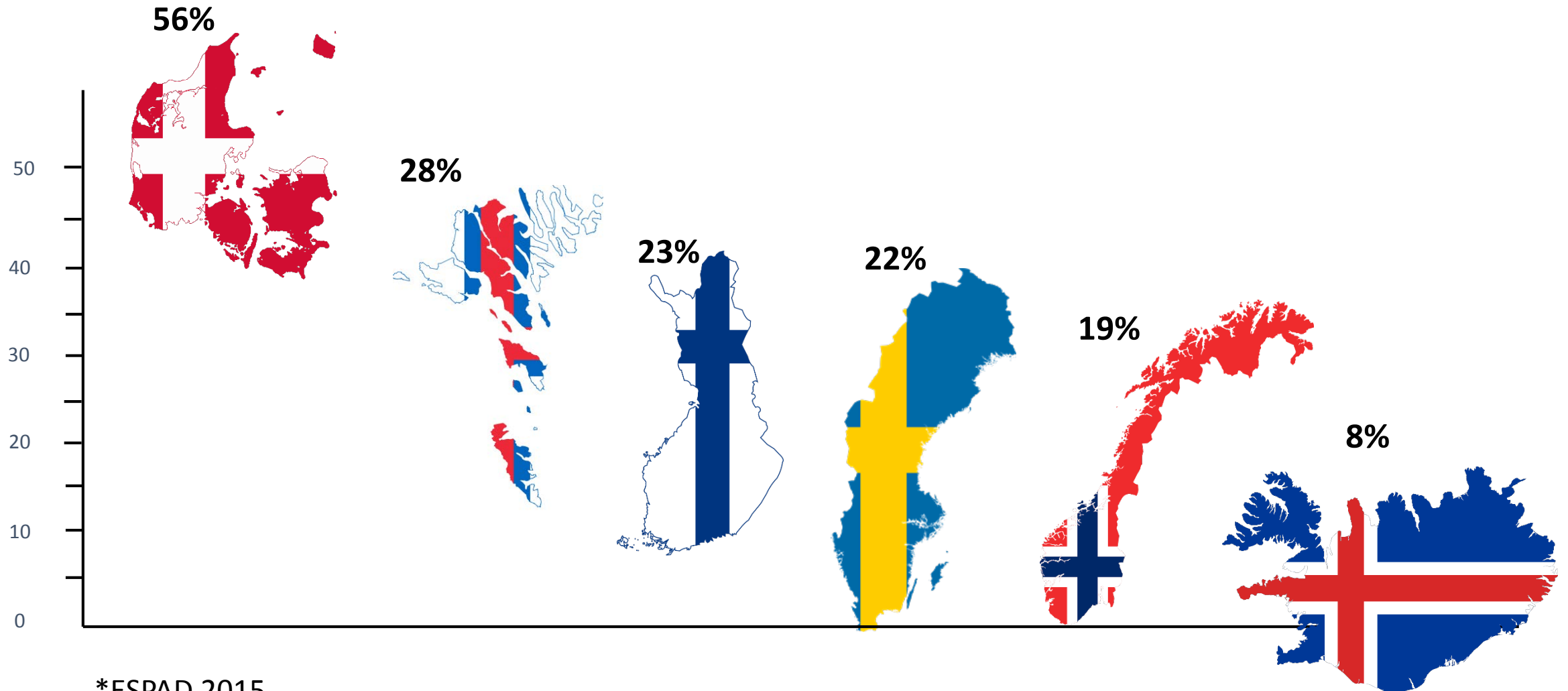




Why Iceland?

- **Children's biology is the same**
- **Other nordic countries do worse**
- **Other small islands do worse**
- **It focuses on the here and now**
- **Custom made suit**
- **Only evidence based method that works**

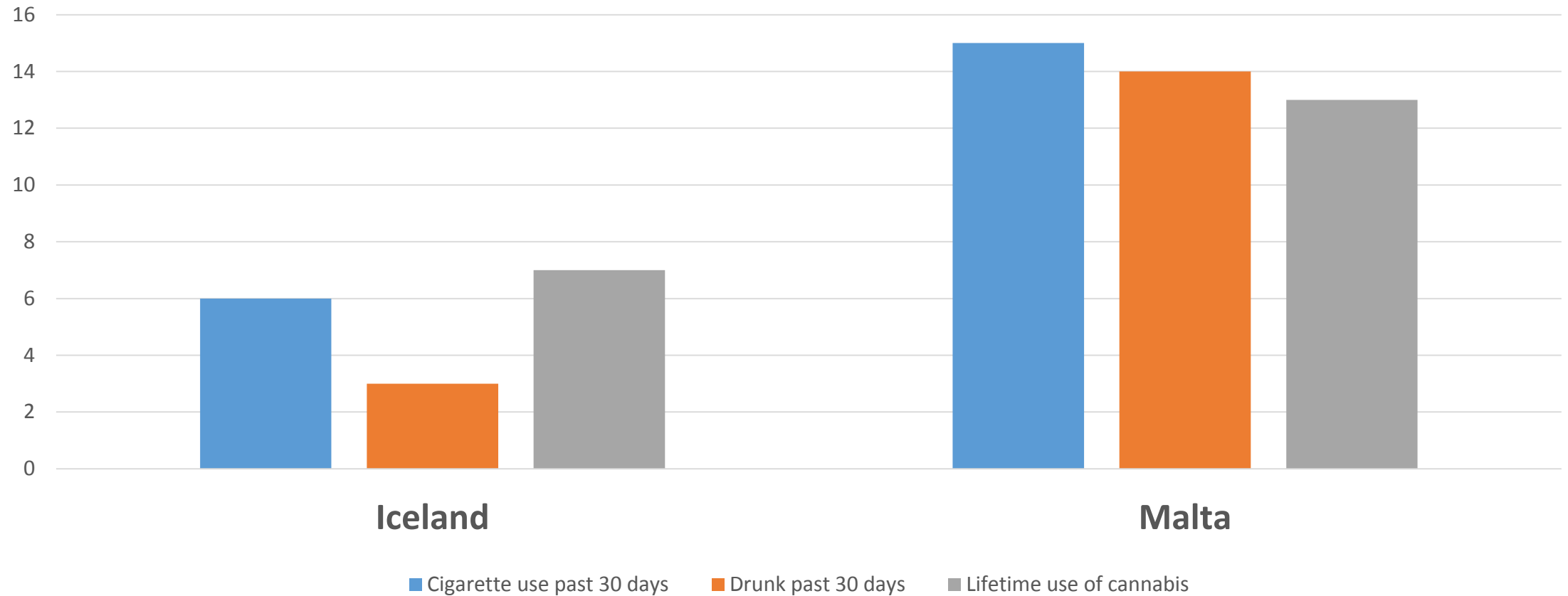
Heavy episodic drinking in the last 30 days*



*ESPAD 2015

Substance Use Amongst European Youth

(ESPAD, 2015)



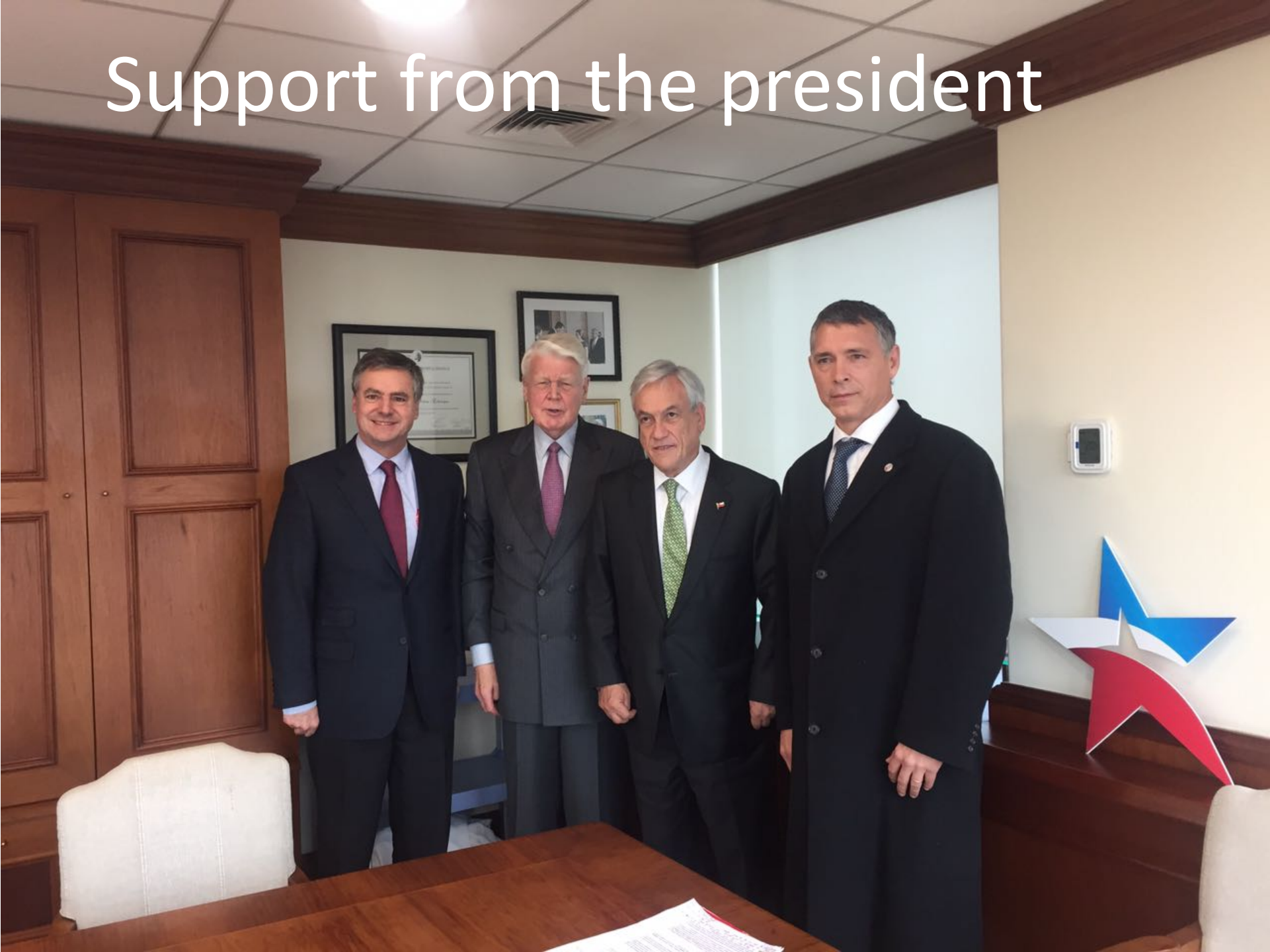
Support of our first lady



Support of the minister of education



Support from the president



Scientific societies participate on signing with municipalities for pilot study last year



Municipalities Pilot 2018:

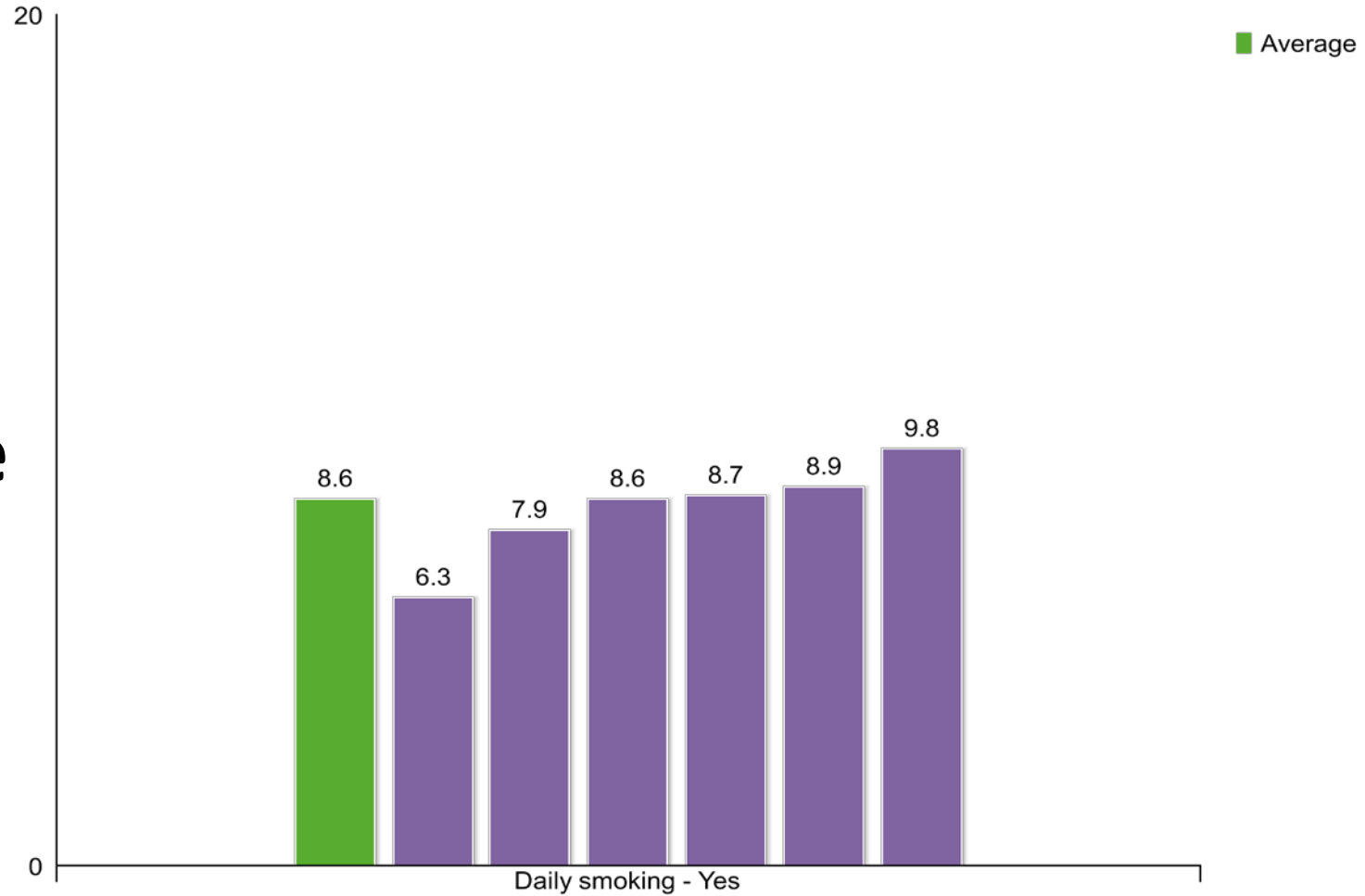
- Colina
- Las Condes
- Lo Barnechea
- Melipilla
- Peñalolén
- Renca

Chilean Model of Prevention

- Questionnaire
- 300 variables
- 10th Grade
- 8.422 youth
- 112 schools

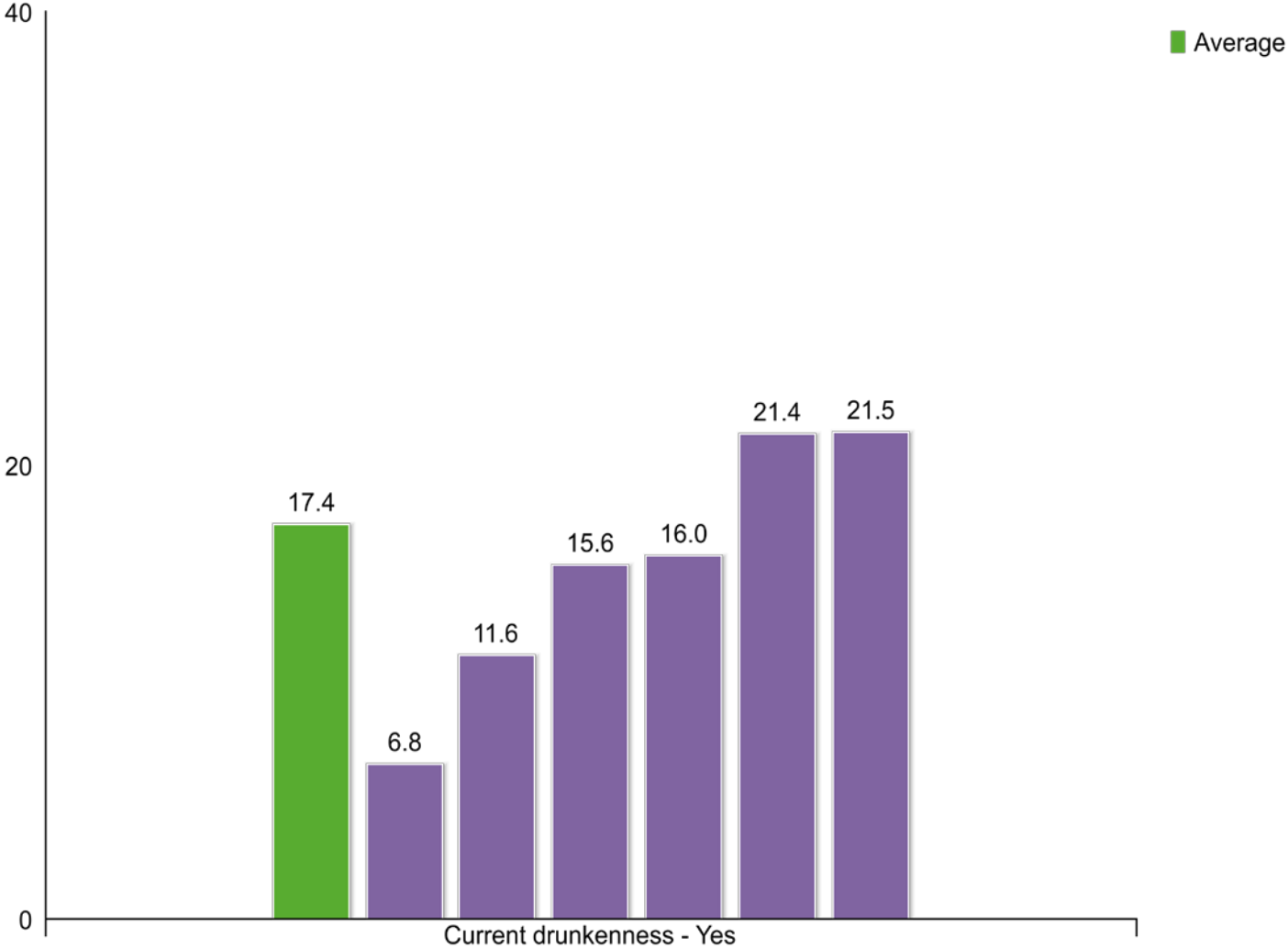
8% Smoke daily

Porcentaje



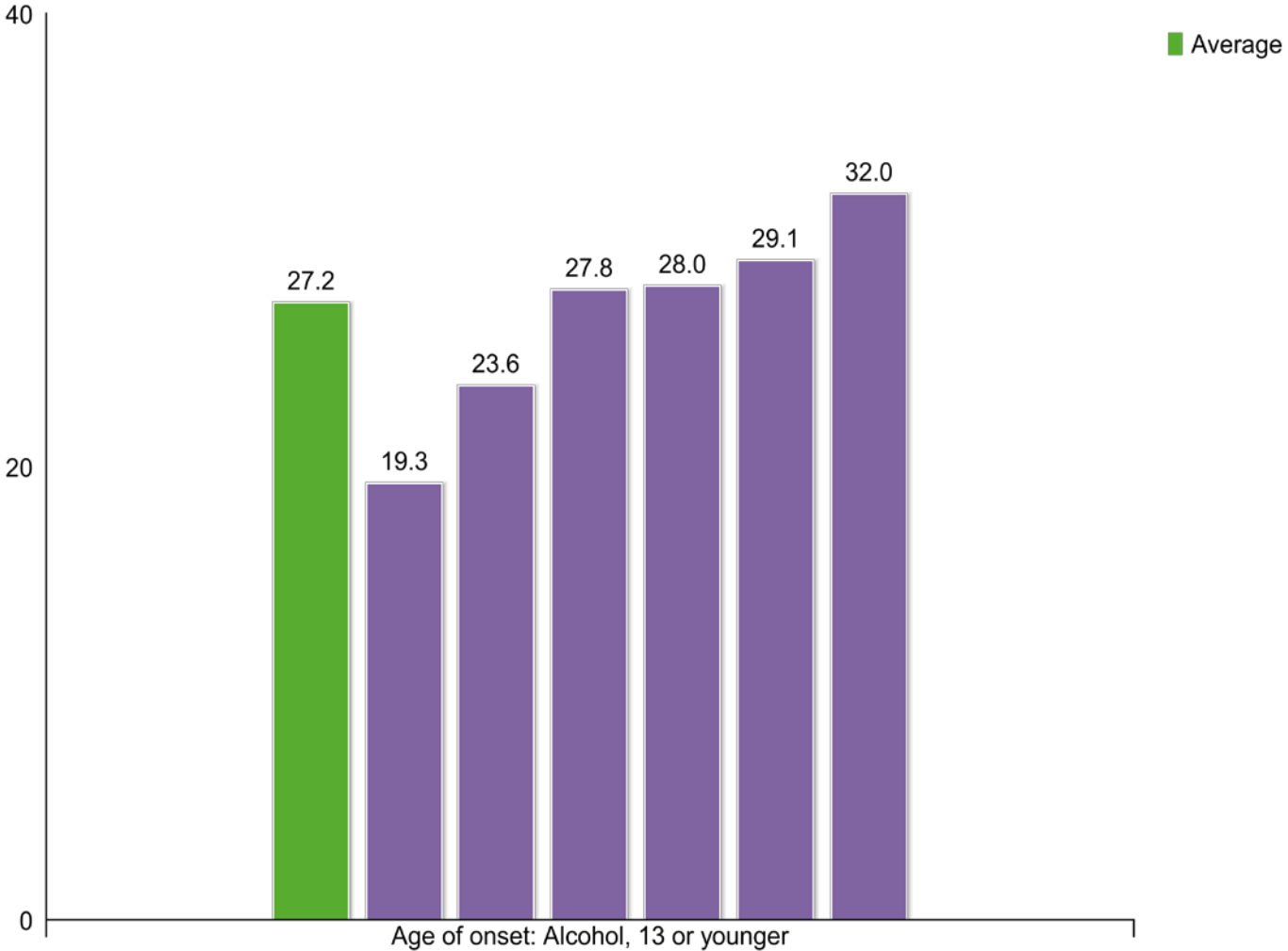
17 % Drunk last month

Percent



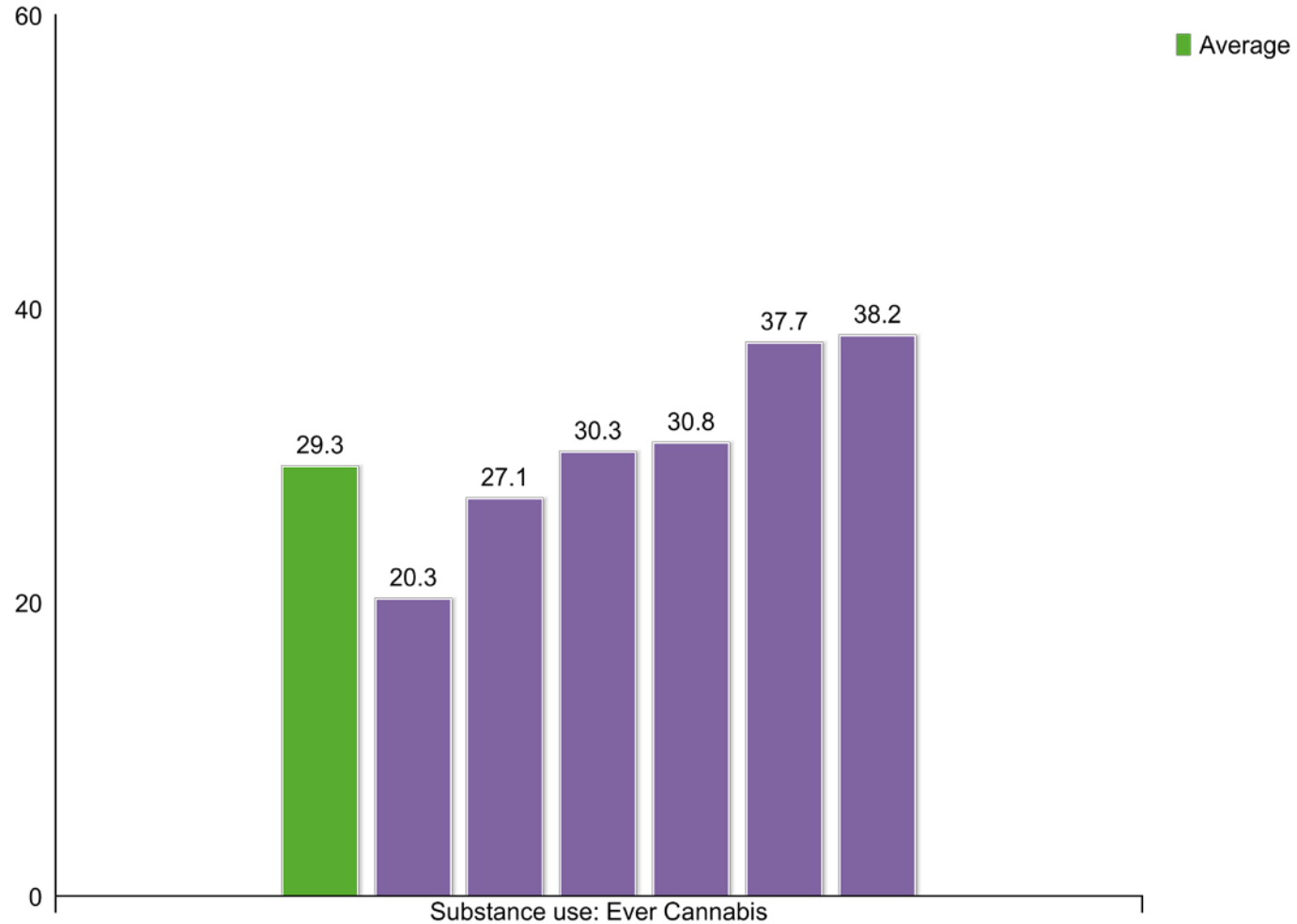
27% First alcohol < 13 y.o.

Percent

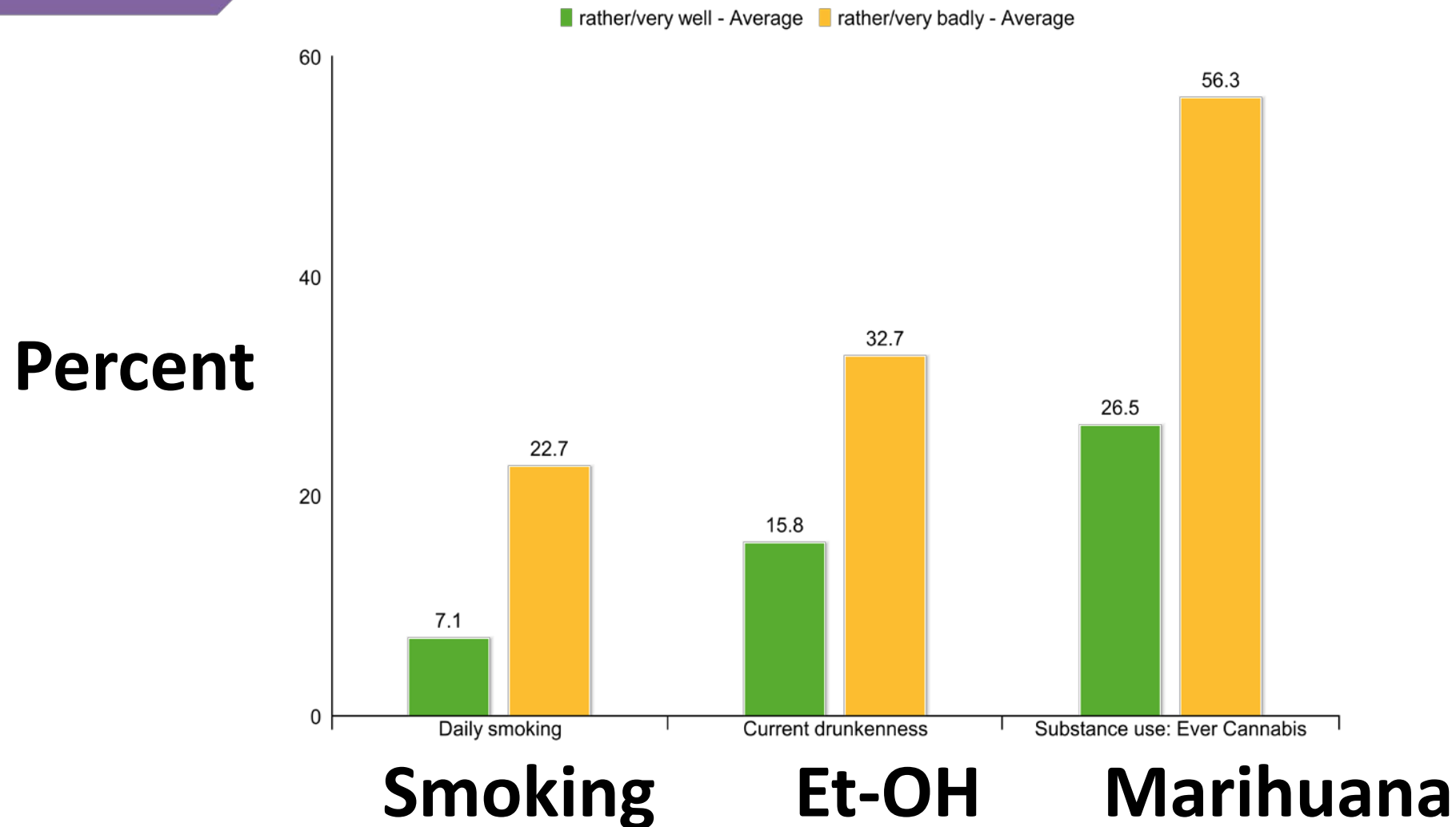


29% Marihuana Use

Percent

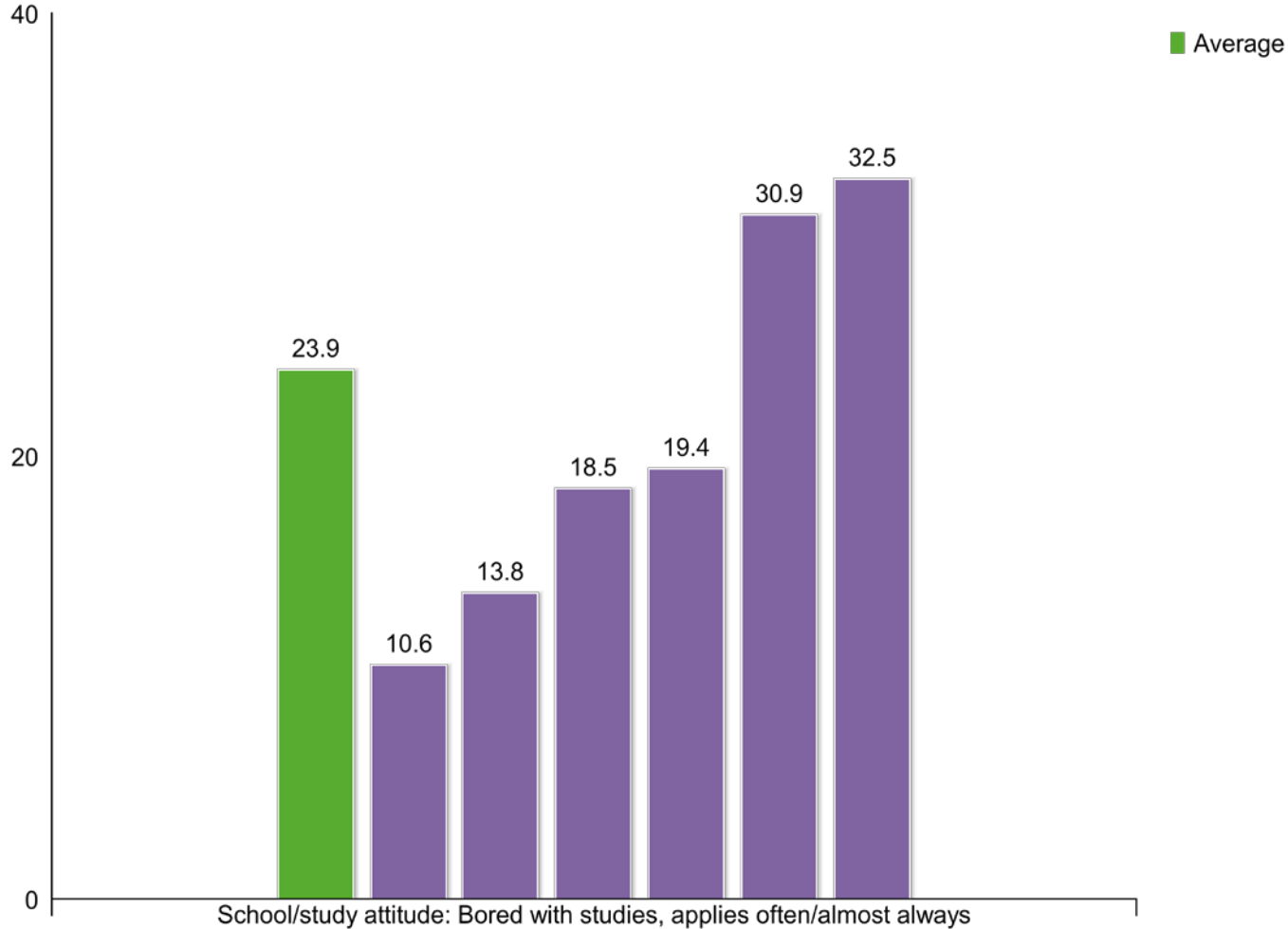


Consumption is higher if parents don't know where youth is on the evening



24% Bored with school

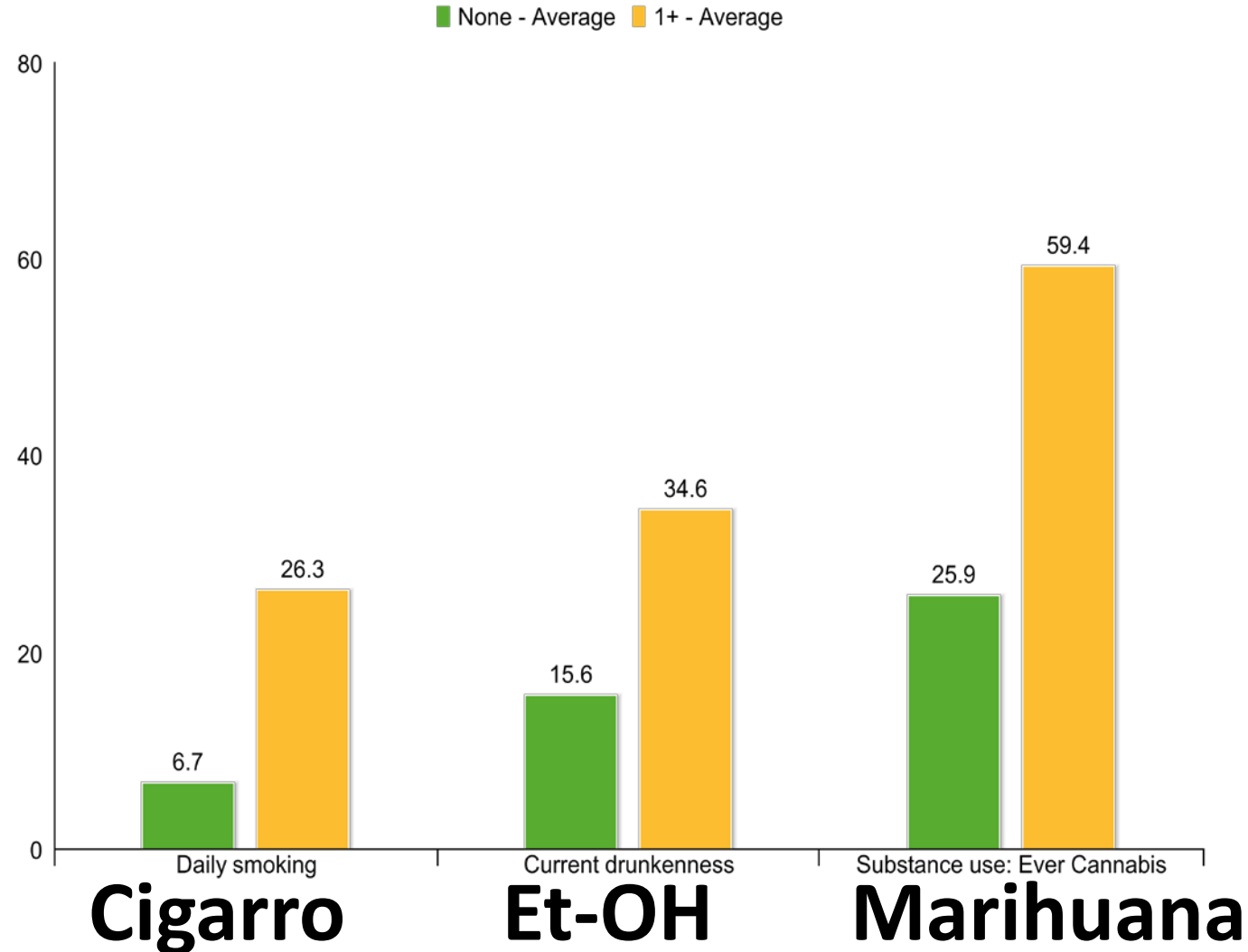
Percent



Those who skip classes, consume more

Cross-tabulations

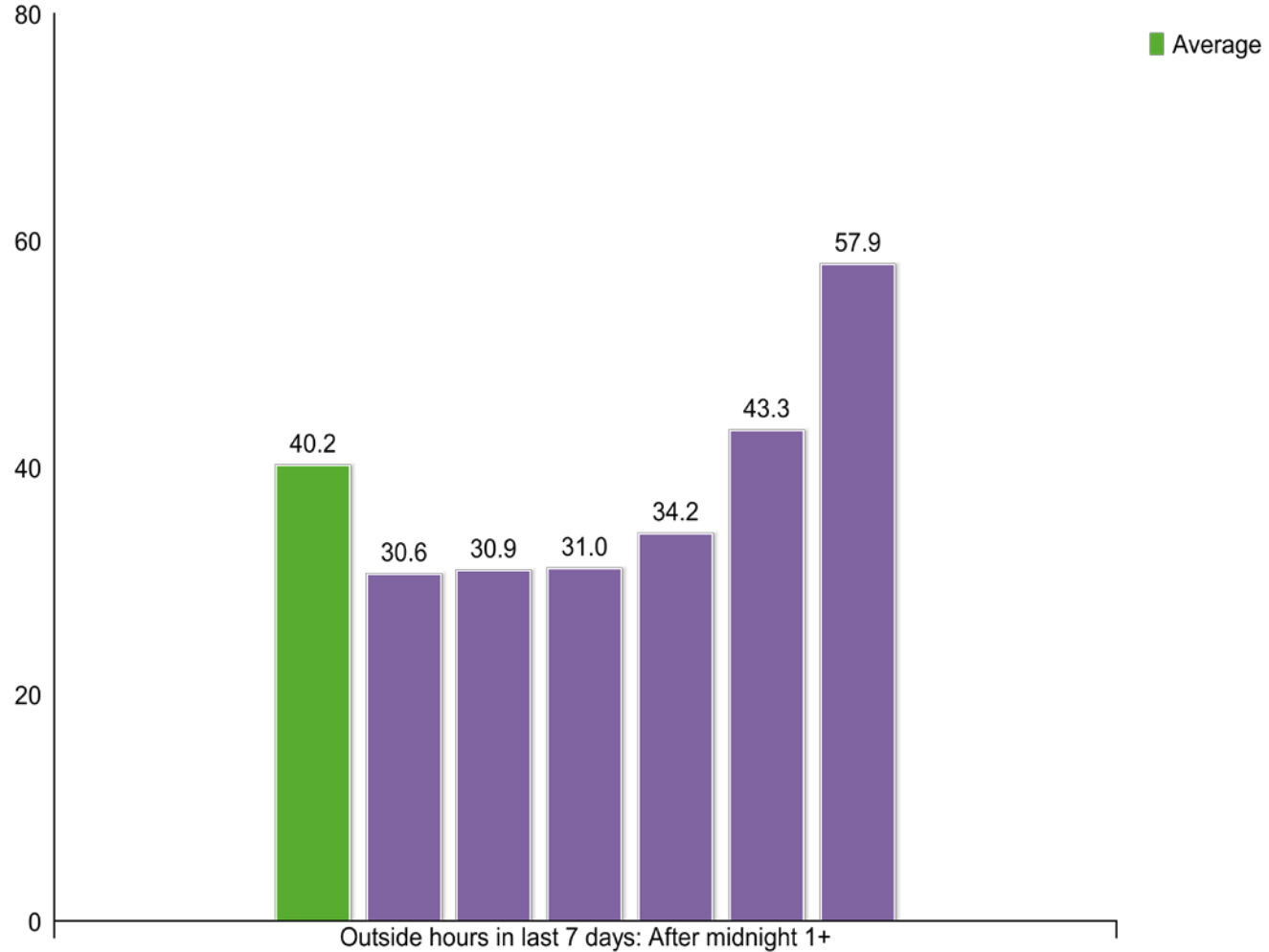
Percent



Leisure time

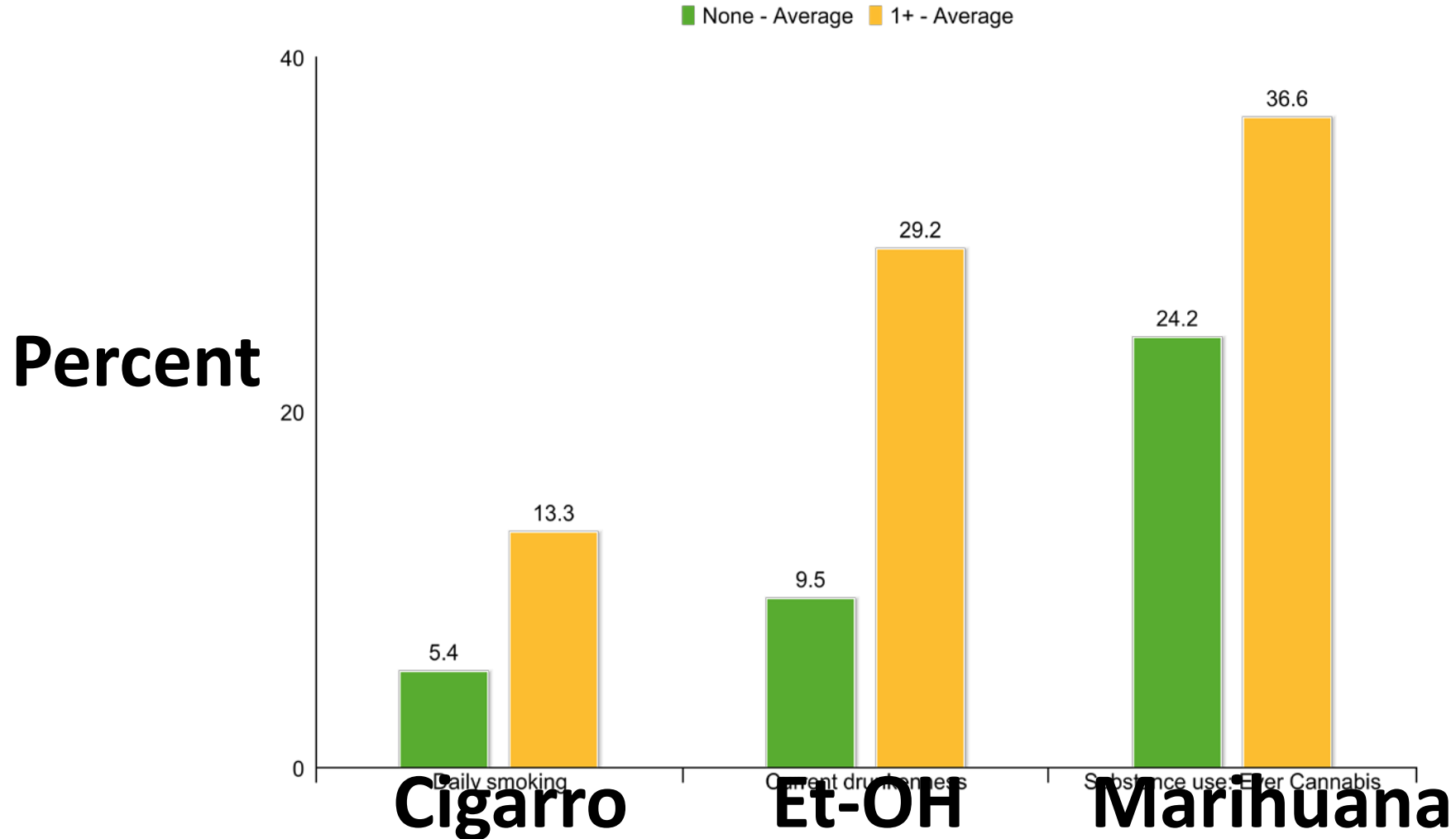
Out after midnight

Percent



More consumption if out after midnight

Cross-tabulations



Summary of conclusions

1. Substance use numbers high in comparison to Iceland and Europe
2. Thriving alcohol culture (early initiation high, adult acceptance of youth drinking appears common)
3. Individual parental monitoring high, but parental collaboration low
4. Unsupervised late outside hours very common
5. School well-being low
6. Access to and participate in organized recreational and extracurricular activities very low

Conclusions put together

Chilean adolescents appear to be commonly bored and poorly supervised. Together with a high degree of societal acceptance of adolescent alcohol use, high rates of other substance use thrives



Prime Minister
commits to
expanding pilot
study to most of the
municipalities in the
next two years.
Calls for continued
work with scientific
societies.

Thanks for your interest in working to have children free from alcohol & drugs



Madison Senior High School

Houston 1973-1976



Making waves of their own

Ever since the height of the V.Y. era in '01, the Madison Marlins have struggled to sustain success. But this season is proving to be different

By JENNY DIAL Copyright 2008 Houston Chronicle
Nov. 28, 2008, 4:01AM



When Madison players loaded the bus last Nov 42-8 to Katy in the area playoffs, the mood was Although the players and coaches were upset v performances that night, the soon-to-be seniors then and there.

"Right after the Katy game, these kids started s Madison coach Ray Seals said. "One of the big playoff games."

Madison is no stranger to success in the posts his 21st year with the Marlins, has had some pi teams. But since 2001, when a senior named V garnering attention for the Marlins, Madison has success.

"I know a lot of people look back to when Vince and think that Madison will never be that good a Jeffery Lewis said. "But this is a good team. We players, and coach Seals deserves for everyone a coach he is."

So far this year, the Marlins have won two play face La Porte in the Class 5A Division II Region p.m. Saturday at Galena Park ISD Stadium.

Seals the deal

P. Univ. Católica de Chile

Santiago 1977-1987



Houston Texas Children's Hospital 1989-1998



Chicago 1998 - 2002

Children's Memorial Hospital



Philadelphia 2002-2007



Catholic Univ. Hosp.

Santiago 2007- date

