

Cannabis Informatics Monitoring System: Putting Results at your Fingertips

Dr. Shawn C O'Connor

and

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Dalla Lana School of Public Health, UofT

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(One) Goal

Develop a website that provides data on **key indicators** in a **timely** and intuitive manner...

...for planning, education, decision-making and reporting.

The Problem



Proportion of the population
who smoke cannabis





You are here

Data 

- Draft autosaved at: 23:02

To... [Shawn O'Connor](#)

Cc...

Bcc...

Subject: URGENT: Cannabis use in High School

Tahoma  12  **B** **I** **U**               

Hi,

Ministry of Health needs to know the rate of cannabis use in high school for males and females.

We need this by 2:00pm!

Thanks,

Stressed out Ministry Staff

The Solution





Cannabis Informatics Monitoring System

An initiative of the Ontario Tobacco Research Unit

Topics

Tobacco Use 0

E-cigarettes 0

Cannabis 0

Indicators

- Ever use of cannabis, marijuana or hash
- Use of cannabis, marijuana or hash (past year)
- Lifetime abstinence from cannabis, marijuana or hash
- Use of cannabis, marijuana or hash (past month)
- Use of cannabis, marijuana or hash for medical purposes in the past year (past year users)
- Medically approved use of cannabis, marijuana or hash in the past year (past year medical users)
- Use of cannabis, marijuana or hash mixed with tobacco in the past year (past year cannabis users)
- Drove under the influence of cannabis, marijuana or hash in the past year (past year users having a valid driving licence)
- Drove under the influence of cannabis, marijuana or hash in the past year (valid driving licence holders)
- Cannabis should be regulated by the government and only sold in stores like the LCBO
- Cannabis should be sold in licensed privately-run stores
- Perceived risk of smoking marijuana once a month
 - No risk
 - Slight risk
 - Moderate risk
 - Great risk
 - Don't know
- Perceived risk of smoking marijuana once or twice a week
 - No risk
 - Slight risk

Topics

- Tobacco Use 0
- E-cigarettes 0
- Cannabis 1**

Indicators

- Ever use of cannabis, marijuana or hash
- Use of cannabis, marijuana or hash (past year)
- Lifetime abstinence from cannabis, marijuana or hash
- Use of cannabis, marijuana or hash (past month)
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Populations

*Total sample

Age/grade

Sex

Education

Income

Populations

*Total sample

Age/grade

Sex

Education

Income

Country

Province / Territory / State

Select All

Ontario

Health Region

Select All

* Former Health Region [i](#)

Other Administrative Boundaries

1 Topic & Indicators

2 Population

3 Geography

4 Data Source

5 Sub-Population

6 Results

← Back

Next →

✖ Reset

Country

Province / Territory / State

Select All

Ontario

Health Region

Select All

* Former Health Region [i](#)

Other Administrative Boundaries

Data Source

Centre for Addiction and Mental Health Monitor (Full Year)

Ontario Student Drug Use and Health Survey

Year

Select All

2016

Data Source

Centre for Addiction and Mental Health Monitor (Full Year)

Ontario Student Drug Use and Health Survey

Year

Select All

2017

Data Source

Centre for Addiction and Mental Health Monitor (Full Year)

Ontario Student Drug Use and Health Survey

Year

Select All

2017

Sub-Population

- Grades 7-8
- Grades 9-12
- Grades 7-12
- Grade 7
- Grade 8
- Grade 9
- Grade 10
- Grade 11
- Grade 12

Optional Secondary Population

- Males
- Females
- Total (sex)

Sub-Population

- Grades 7-8
- Grades 9-12
- Grades 7-12
- Grade 7
- Grade 8
- Grade 9
- Grade 10
- Grade 11
- Grade 12

Optional Secondary Population

- Males
- Females

Sub-Population

- Grades 7-8
- Grades 9-12
- Grades 7-12
- Grade 7
- Grade 8
- Grade 9
- Grade 10
- Grade 11
- Grade 12

Optional Secondary Population

- Males
- Females

Use of Cannabis, Marijuana or Hash (Past Year), Ontario, 2017

Print

Group	Population Estimate	Value (%)	LCL	UCL
Grades 7-8	5,100	2 ^M	1.4	3
Grades 9-12	167,200	25.5	23.2	27.9

Table Notes

M=Marginal. Interpret with caution: subject to moderate sampling variability.

Source: Ontario Student Drug Use and Health Survey, 2017

Sub-Population

- Grades 7-8
- Grades 9-12
- Grades 7-12
- Grade 7
- Grade 8
- Grade 9
- Grade 10
- Grade 11
- Grade 12

Optional Secondary Population

- Males
- Females



- 1 Topic & Indicators
- 2 Population
- 3 Geography
- 4 Data Source
- 5 Sub-Population
- 6 Results

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Sub-Population

- Grades 7-8
- Grades 9-12
- Grades 7-12
- Grade 7
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Optional Secondary Population

- Males
- Females

Sub-Population

- Grades 7-8
- Grades 9-12
- Grades 7-12
- Grade 7
- Grade 8
- Grade 9
- Grade 10
- Grade 11
- Grade 12

Optional Secondary Population

- Males
- Females

Use of Cannabis, Marijuana or Hash (Past Year), Ontario, Males, Females, 2017

Print

Group	Sub-Group	Population Estimate	Value (%)	LCL	UCL
Grades 7-8	Males	2,000	1.6 ^M	0.8	3
Grades 7-8	Females	3,100	2.5 ^M	1.4	4.4
Grades 9-12	Females	77,800	24.4	21.2	27.9
Grades 9-12	Males	89,400	26.4	24.1	28.9

Table Notes

M=Marginal. Interpret with caution: subject to moderate sampling variability.

Source: Ontario Student Drug Use and Health Survey, 2017

Use of Cannabis, Marijuana or Hash (Past Year), Ontario, Males, Females, 2017

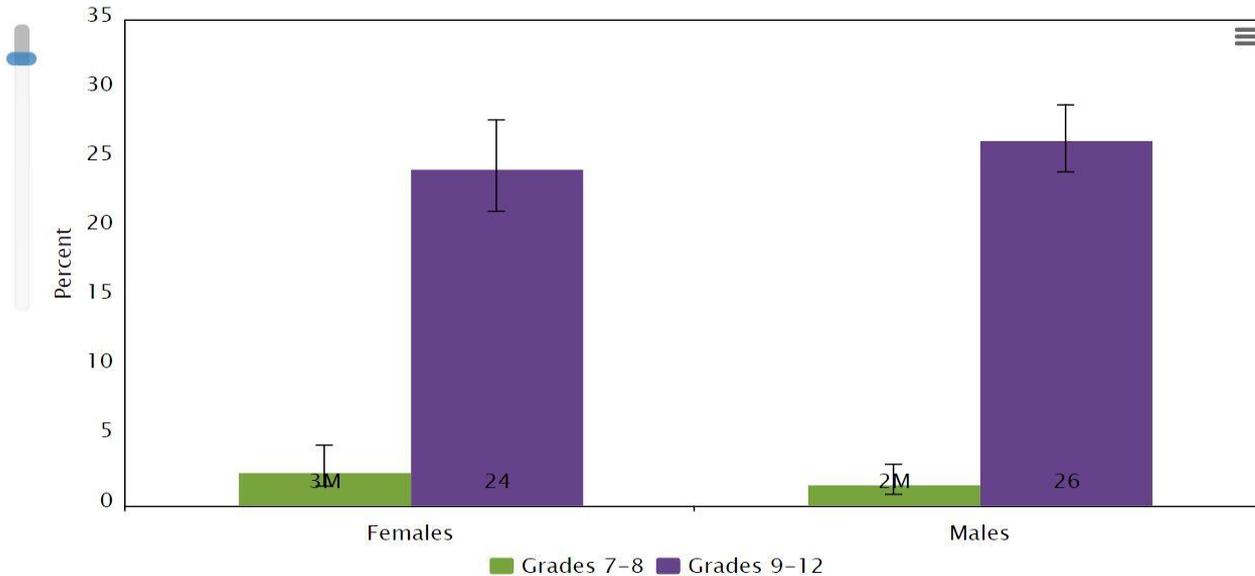


Chart Notes

M=Marginal. Interpret with caution: subject to moderate sampling variability.

Source: Ontario Student Drug Use and Health Survey, 2017

Data Table

Chart

Technical Notes

Technical Notes

Population estimate is the weighted frequency, rounded to the nearest hundred units. It is not the number of respondents surveyed.

Values have been rounded to the nearest tenth units

Survey Question Wording

In the LAST 12 MONTHS, how often did you use CANNABIS (also known as marijuana, “weed”, “pot”, “grass”, hashish, “hash”, hash oil, etc.)?

[1] 1 or 2 times [2] 3 to 5 times [3] 6 to 9 times [4] 10 to 19 times [5] 20 to 39 times [6] 40 or more times [7] Used, but not in the last 12 months [8] Never used in lifetime [9] Don't know what cannabis is. ** Ever use (responses 1 to 7), past year use (responses 1 to 6), and lifetime abstinence (responses 8 and 9), among students (responses 1 to 9)

Use of Cannabis, Marijuana or Hash (Past Year), Ontario, Males, Females, 2017

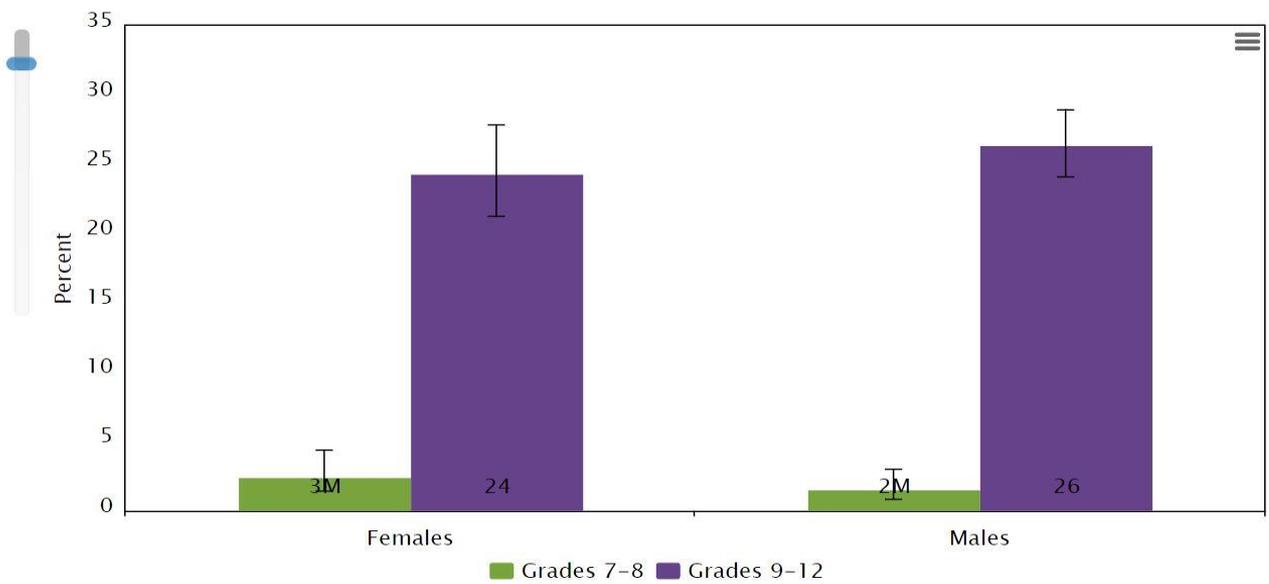


Chart Notes

M=Marginal. Interpret with caution: subject to moderate sampling variability.

Source: Ontario Student Drug Use and Health Survey, 2017

Use of Cannabis, Marijuana or Hash (Past Year), Ontario, Males, Females, 2017

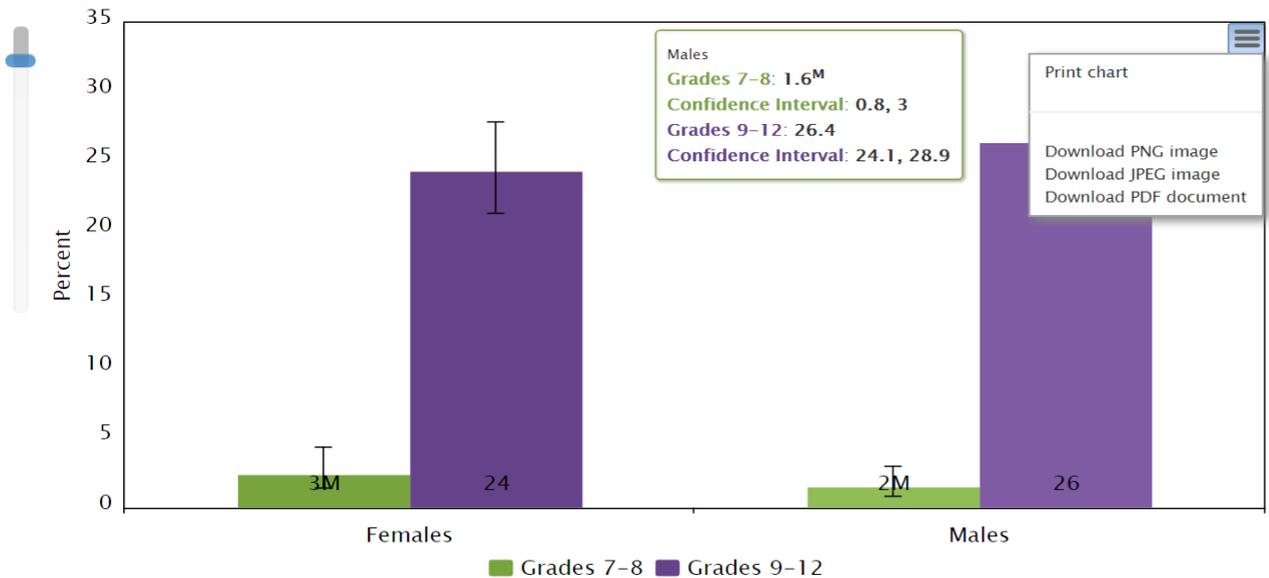


Chart Notes

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Use of Cannabis, Marijuana or Hash (Past Year), Ontario, Males, Females, 2017

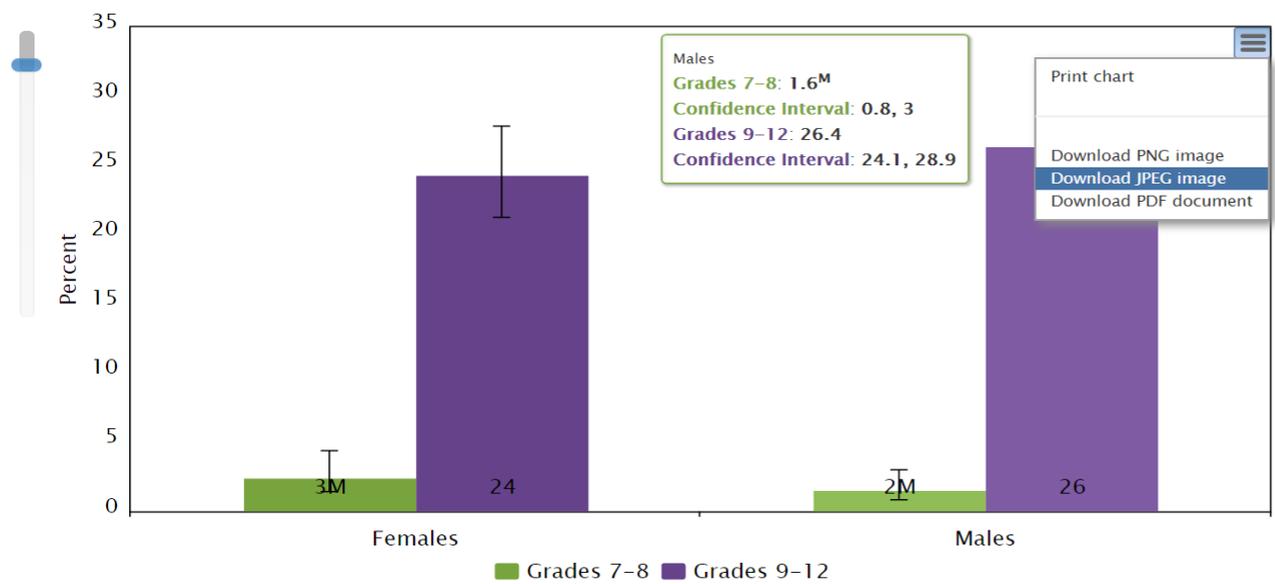


Chart Notes

M=Marginal. Interpret with caution: subject to moderate sampling variability.

Source: Ontario Student Drug Use and Health Survey, 2017

To... Ministry of Health

Cc...

Bcc...

Subject: URGENT: Cannabis use in High School

Attached:  email chart.jpeg (39 KB) x

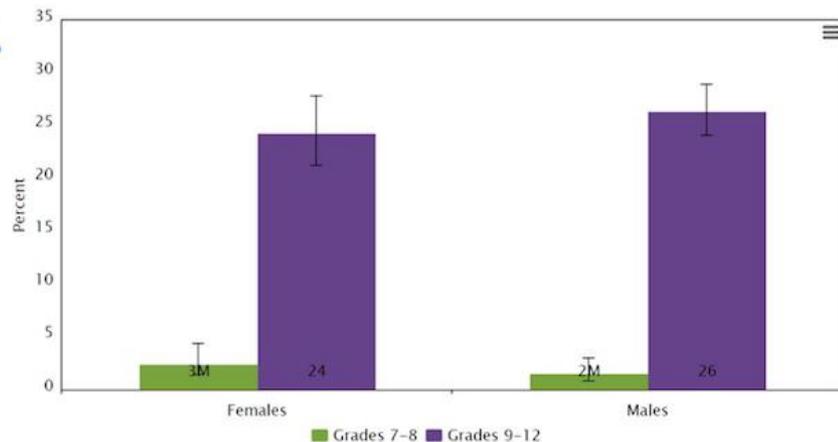
Tahoma 12 B I U            

Hi,

Find requested data: 24% for females, 26% for males.

Take Care, Shawn

Use of Cannabis, Marijuana or Hash (Past Year), Ontario, Males, Females, 2017



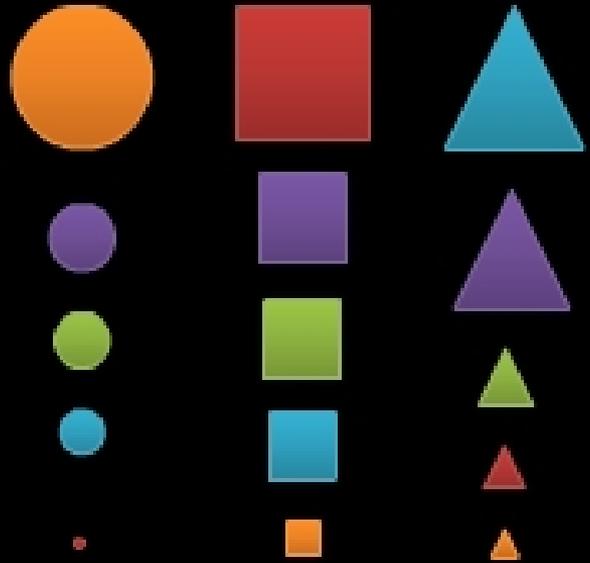


Data at your fingertips. . . .

6 clicks → Hundreds of indicators
→ Thousands of unique findings



CIMS



CIMS

A Second Look





Cannabis Informatics Monitoring System

An initiative of the Ontario Tobacco Research Unit

Topics under which indicators are listed

- ▣ Cannabis Use
- ▣ Exposure (Physical and Social)
- ▣ Public Opinion
- ▣ Other Substance Use (Cigarettes, Vaping Products)

Chart Options

Current Smokers (Past 30 Days), Ontario, 18+, Males, Females

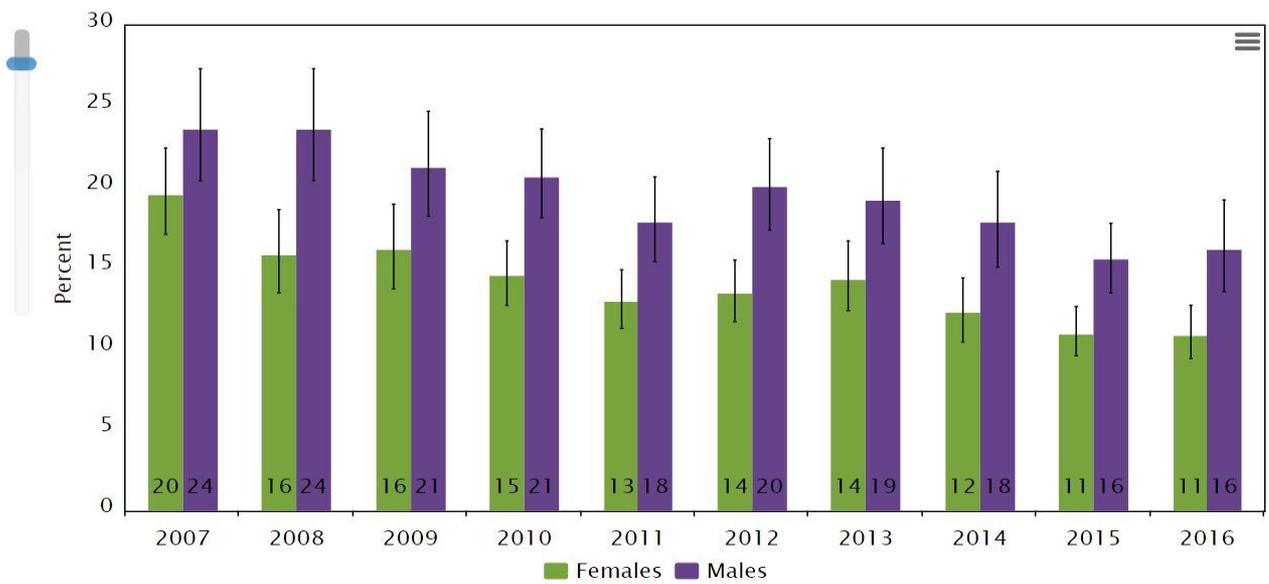


Chart Notes

Source: Centre for Addiction and Mental Health Monitor (Full Year), 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016

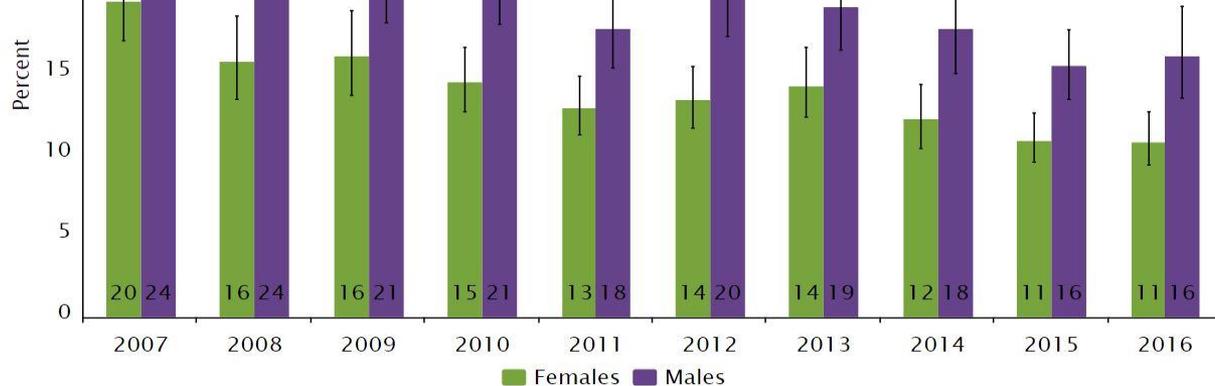


Chart Notes

Source: Centre for Addiction and Mental Health Monitor (Full Year), 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016

Chart Options

Chart Type:

Bar Chart ▾

Orientation:

Vertical ▾

Invert X-Axis Variables

X2 by X1 ▾

Appearance

Data Label (Horiz.):

Center ▾

Data Label (Vert.):

Bottom ▾

Legend Position:

Bottom Middle ▾

Grid Lines

Borders

Error Bars

Y-Axis Labels

New Sort Order
(experimental)

Ticks

Center Ticks

Bar / Line Colour:

OTRU ▾

Plot Colour:

White ▾

Chart Colour:

White ▾

Label Colour:

Black ▾

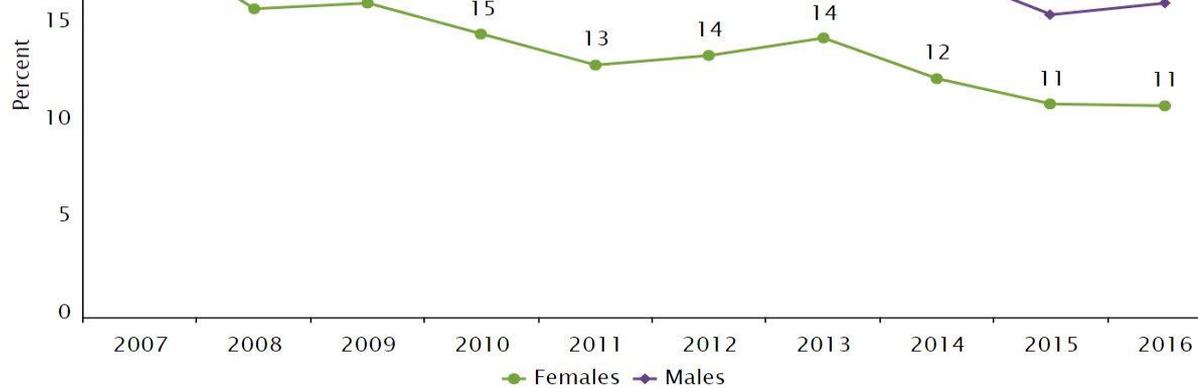


Chart Notes

Source: Centre for Addiction and Mental Health Monitor (Full Year), 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016

Chart Options

Chart Type:

Line Chart ▾

Orientation:

Vertical ▾

Invert X-Axis Variables

X2 by X1 ▾

Appearance

Data Label (Horiz.):

Center ▾

Data Label (Vert.):

Bottom ▾

Legend Position:

Bottom Middle ▾

Grid Lines

Borders

Error Bars

Y-Axis Labels

New Sort Order
(experimental)

Ticks

Center Ticks

Bar / Line Colour:

OTRU ▾

Plot Colour:

White ▾

Chart Colour:

White ▾

Label Colour:

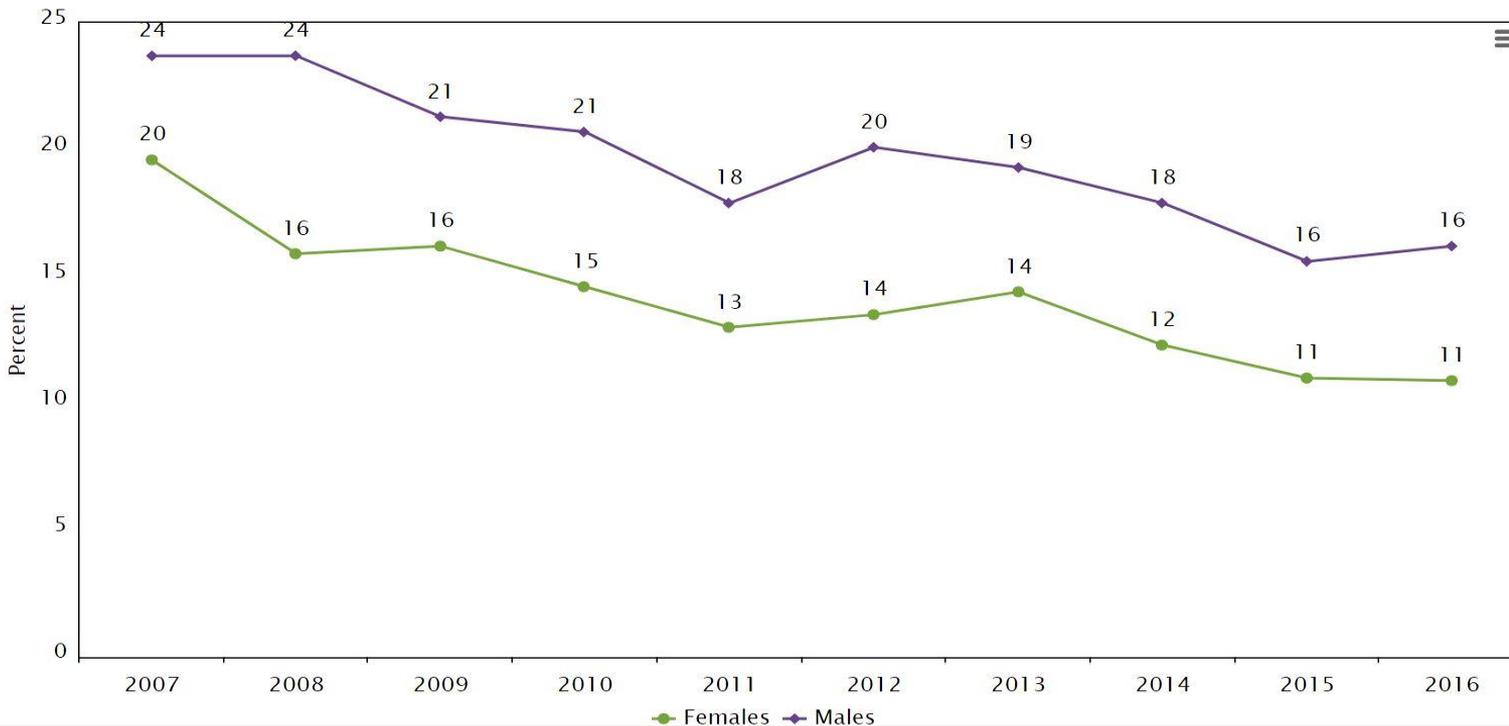
Black ▾

Data Table

Chart

Technical Notes

Current Smokers (Past 30 Days), Ontario, 18+, Males, Females



Data Table

Chart

Technical Notes

Current Smokers (Past 30 Days), Central East TCAN, Central West TCAN, Eastern TCAN, North East TCAN, North West TCAN, South West TCAN, Toronto TCAN, 12+

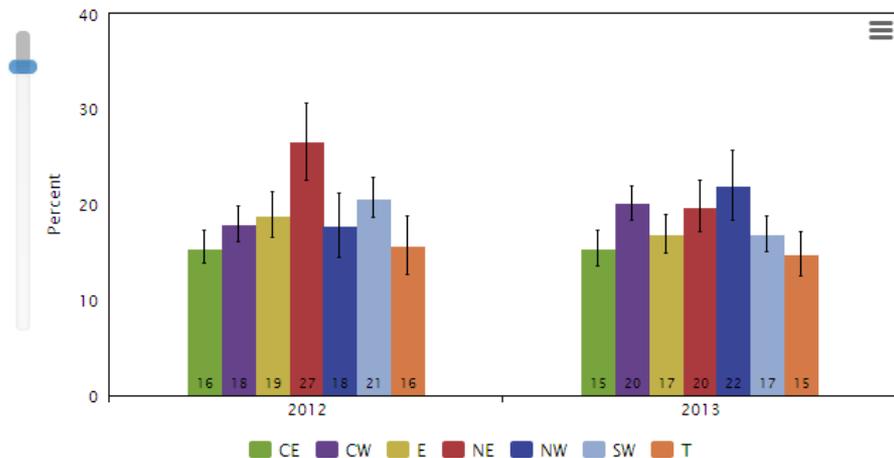


Chart Notes

Source: Canadian Community Health Survey (Master File), 2012, 2013

Chart Options

Chart Type:

Bar Chart

Orientation:

Vertical

Invert X-Axis Variables

X2 by X1

X1 by X2

X2 by X1

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Data Table

Chart

Technical Notes

Current Smokers (Past 30 Days), Central East TCAN, Central West TCAN, Eastern TCAN, North East TCAN, North West TCAN, South West TCAN, Toronto TCAN, 12+

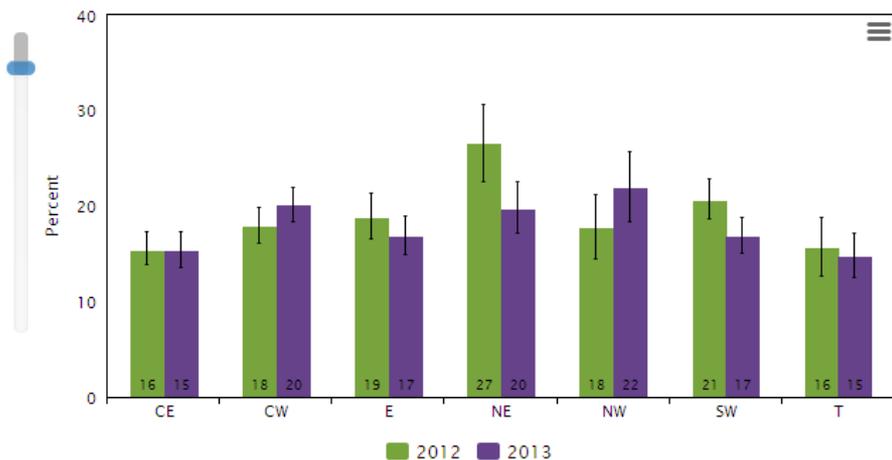


Chart Notes

Source: Canadian Community Health Survey (Master File), 2012, 2013

Chart Options

Chart Type:

Bar Chart

Orientation:

Vertical

Invert X-Axis Variables

X1 by X2

1 Topic & Indicators

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Data Table

Chart

Technical Notes

Occasional Smokers (Past Month), Central West TCAN, North West TCAN, South West TCAN, 19+, Males, 2013

Copy

Excel

Print

Geography	Sub-Group	Population Estimate	Value (%)	LCL	UCL
North West TCAN	Males		S		
South West TCAN	Males	14,700	2.4 ^M	1.5	3.3
Central West TCAN	Males	41,900	4.3	3	5.6

Table Notes

M=Marginal. Interpret with caution: subject to moderate sampling variability.

S=Suppressed. Results too unreliable to be published due to (unweighted) sample size less than 30 or coefficient of variation greater than 33.3% (extreme sampling variability)

Source: Canadian Community Health Survey (Master File), 2013

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Data Table

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Technical Notes

Occasional Smokers (Past Month), Central West TCAN, North West TCAN, South West TCAN, 19+, Males, 2013

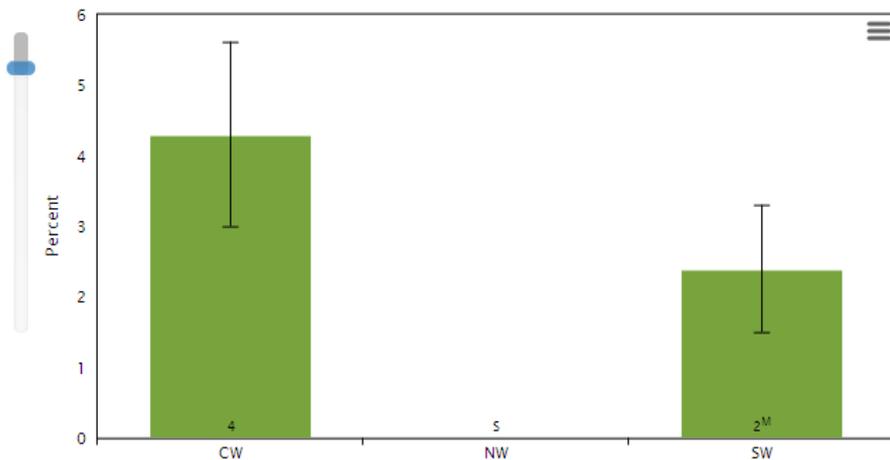


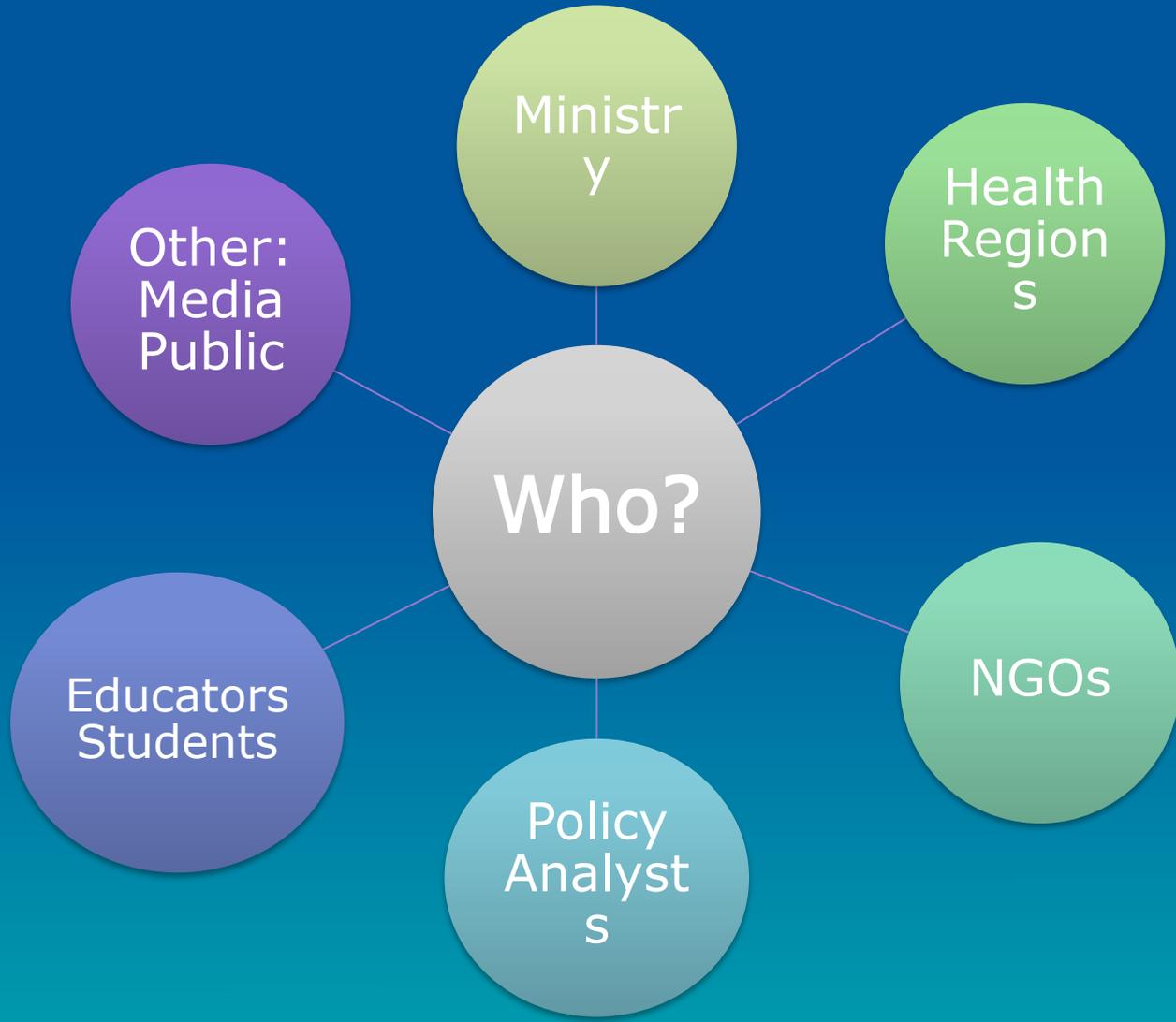
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Source: Canadian Community Health Survey (Master File), 2013

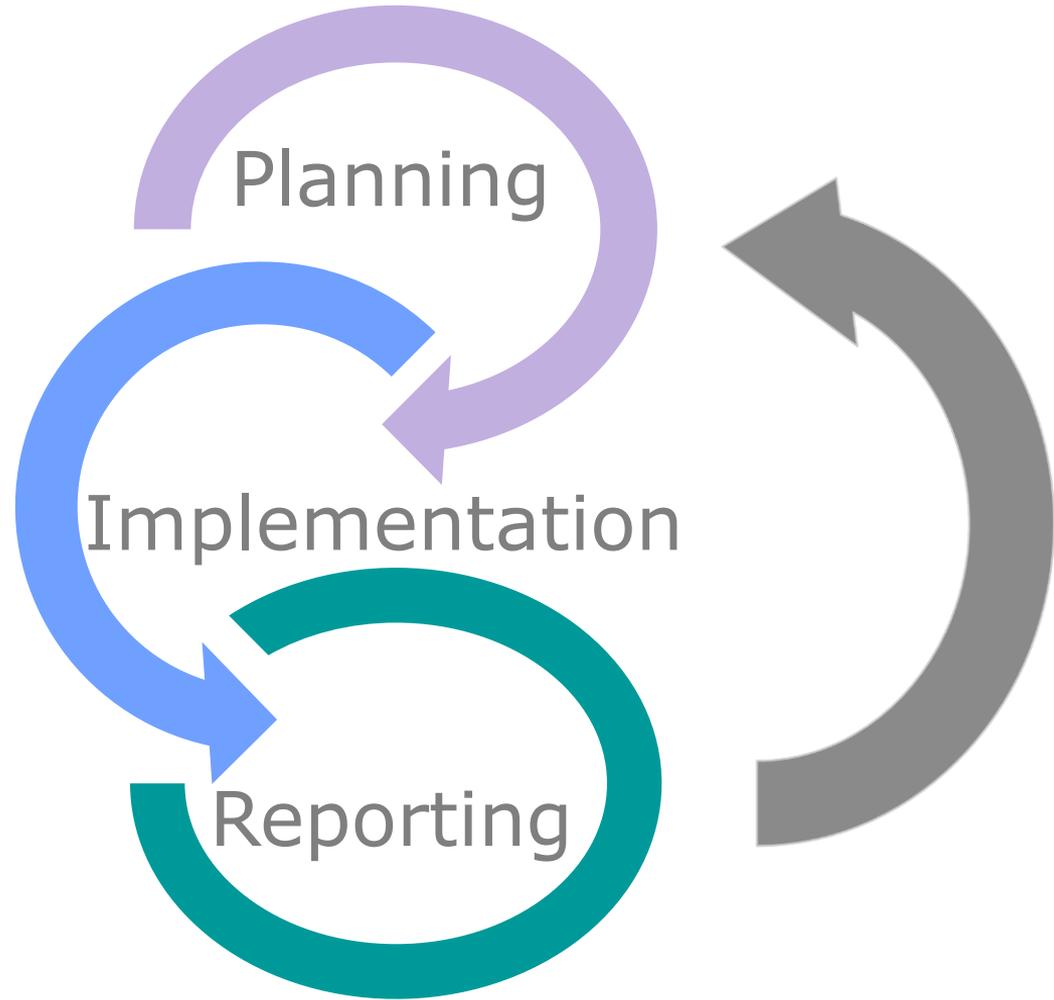
The *Who*, *What* and *Why* of TIMS



What?

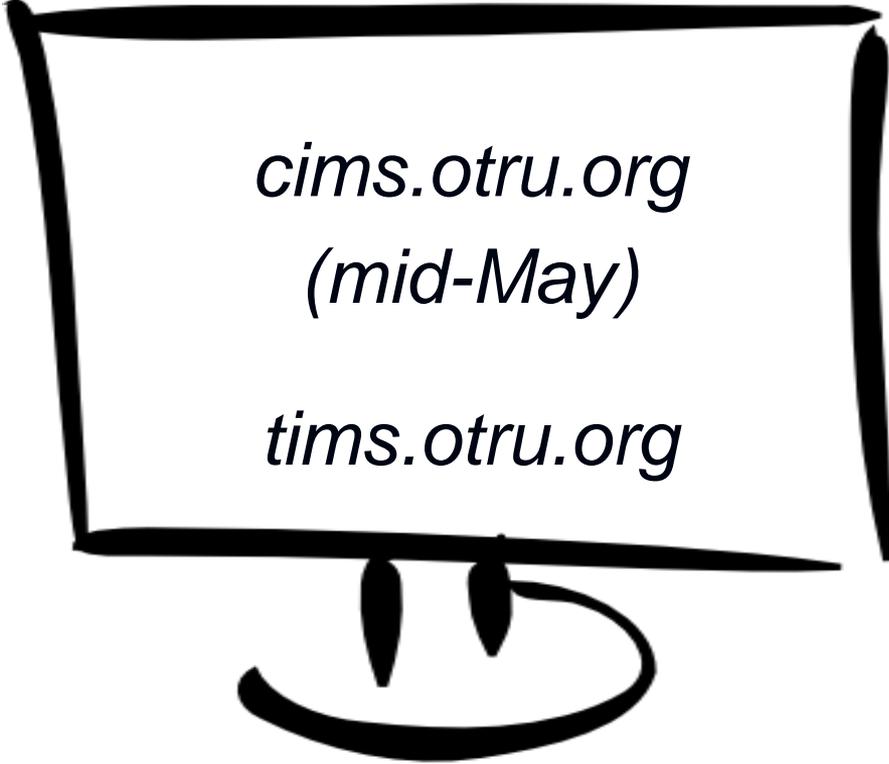
- ▣ Depth and breadth of information
- ▣ Repository of trend data
- ▣ Timely and comprehensive
- ▣ Display-ready results

Why CIMS?





Next Steps



cims.otru.org

(mid-May)

tims.otru.org

Thank You!



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