Changing patterns of adolescent risk behaviour in New Zealand

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https://www.researchgate.net/profile/Theresa_Fleming
Percent Change in Mortality Rates 1960-2006

0-14 years 15-24 years 25-44 years 45-64 years 65+ years

The Youth2000 Survey Series

1. National Secondary School Student Surveys
   2001 - 9,699 adolescents
   2007 - 9,107 adolescents
   2012 - 8,500 adolescents

2. School Climate Surveys
   2007 School Climate
   2012/13 School Climate

3. Alternative Education Surveys
   2009 - 335 adolescents
   2000 - 268 adolescents

4. Teen Parent Unit Survey
   2006 - 220 adolescents

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Survey Content

• Culture and Ethnicity
• Home and Family
• School
• Nutrition and Activities
• General Health
• Emotional Wellbeing
• Gambling
• Substance Use

• Driving
• Sexual Health
• Violence
• Community and Friends
• Employment
• Spirituality
To provide high quality, accurate and timely research that seeks to improve the health and wellbeing of young people in Aotearoa, New Zealand
<table>
<thead>
<tr>
<th></th>
<th>2001</th>
<th>2007</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Schools</strong></td>
<td>114 (86% response)</td>
<td>96 (84% response)</td>
<td>91 (73% response)</td>
</tr>
<tr>
<td><strong>Decile</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>n 26</td>
<td>n 15</td>
<td>n 26</td>
</tr>
<tr>
<td>Med</td>
<td>n 49</td>
<td>n 52</td>
<td>n 36</td>
</tr>
<tr>
<td>High</td>
<td>n 39</td>
<td>n 25</td>
<td>n 29</td>
</tr>
<tr>
<td><strong>Students</strong></td>
<td>9,567 (73% response)</td>
<td>9,107 (74% response)</td>
<td>8,500 (68% response)</td>
</tr>
<tr>
<td><strong>Gender</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>n 4,414</td>
<td>n 4,911</td>
<td>n 3,874</td>
</tr>
<tr>
<td>Female</td>
<td>n 5,152</td>
<td>n 4,187</td>
<td>n 4,623</td>
</tr>
<tr>
<td><strong>Ethnicity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Māori</td>
<td>n 2,325</td>
<td>n 1,702</td>
<td>n 1,701</td>
</tr>
<tr>
<td>Pacific</td>
<td>n 768</td>
<td>n 1,178</td>
<td>n 1,201</td>
</tr>
<tr>
<td>Asian</td>
<td>n 679</td>
<td>n 1,310</td>
<td>n 1,051</td>
</tr>
<tr>
<td>NZ Euro</td>
<td>n 5,219</td>
<td>n 6,871</td>
<td>n 4,024</td>
</tr>
<tr>
<td>Other</td>
<td>n 417</td>
<td>n 817</td>
<td>n 511</td>
</tr>
<tr>
<td>&gt;1 ethnic groups</td>
<td>29%</td>
<td>39%</td>
<td>42%</td>
</tr>
</tbody>
</table>
Trends

Youth'12 National Health and Wellbeing Survey

Theresa (Terry) Fleming, on behalf of &
The Adolescent Health Research Group
Overall

Reductions

• Smoking
• Binge drinking
• Other drug use
• Risky driving
• Violence perpetration
• % of sexually active

• Period of change varies
• CAUTIONS

• Small improvements in family, school, community environments
• Declines in SES
• Other areas – depression, contraception use, obesity no change or worsen
Among users, tried to cut down/quit: Cigarettes 61%; Marijuana 34%; Alcohol 13%
Among Pacific Youth

- Weekly cigarette use
- Currently drink alcohol
- Binge drinking last 4 weeks
- Use Marijuana
Rangatahi Substance use

Cigarette Smoking

- Ever smoked

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>67</td>
</tr>
<tr>
<td>2007</td>
<td>49</td>
</tr>
<tr>
<td>2012</td>
<td>36</td>
</tr>
</tbody>
</table>

Drank Alcohol at least Weekly

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>22</td>
</tr>
<tr>
<td>2007</td>
<td>26</td>
</tr>
<tr>
<td>2012</td>
<td>12</td>
</tr>
</tbody>
</table>

Ever used Marijuana

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>58</td>
</tr>
<tr>
<td>2007</td>
<td>48</td>
</tr>
<tr>
<td>2012</td>
<td>38</td>
</tr>
</tbody>
</table>
Students Who Have Ever Smoked a Cigarette

- **2001**: Male (45%), Female (50%)
- **2007**: Male (30%), Female (35%)
- **2012**: Male (25%), Female (30%)
Students Who Have Ever Used Marijuana

Percent (%)

2001
2007
2012

Male
Female
Driven dangerously by someone who has been drinking alcohol after drinking 2 or more glasses of alcohol.

Risky driving

Percent (%)
Rangatahi: risky driving

- driven car after consumed alcohol
- passenger in car driven by person who has consumed alcohol *
- passenger in car driven dangerously

Adolescent Health Research Group www.youthresearch.auckland.ac.nz
Among Pacific youth

Driven dangerously by someone

Driven by someone who has been drinking alcohol

Driven after drinking

2001
2007
2012
Violence experiences

- Being hit or harmed on purpose
- Sexual abuse/coercion
- Witness adults hit each other at home

Year | Being hit or harmed | Sexual abuse/coercion | Witness adults
--- | ------------------- | ---------------------- | ---------------
2001 | 45                 | 21                    | 6               
2007 | 41                 | 16                    | 10              
2012 | 29                 | 15                    | 7               

Family Relationships

- Happy how family get along
- Parent wants to know where you are & who with

<table>
<thead>
<tr>
<th>Year</th>
<th>Happy Family Get Along</th>
<th>Parent Wants to Know Where You Are &amp; Who With</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>59</td>
<td>84</td>
</tr>
<tr>
<td>2007</td>
<td>71</td>
<td>90</td>
</tr>
<tr>
<td>2012</td>
<td>72</td>
<td>91</td>
</tr>
</tbody>
</table>
School Relationships

- **2001**: Adults at school care a lot = 23, Like school or it's OK = 85
- **2007**: Adults at school care a lot = 25, Like school or it's OK = 87
- **2012**: Adults at school care a lot = 27, Like school or it's OK = 90
Access to services

2007: 17% unable to access services they needed in previous 12 months
2012: 19% unable to access services they needed in previous 12 months

<table>
<thead>
<tr>
<th>Service</th>
<th>2007</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family doctor</td>
<td>84</td>
<td>74</td>
</tr>
<tr>
<td>School Clinic</td>
<td>21</td>
<td>18</td>
</tr>
<tr>
<td>Afterhours A&amp;E</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Hospital A&amp;E</td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>
Suicide attempts & depressive symptoms

Suicide attempt in last 12 mths

Depressive symptoms

2001

2007

2012

%
Sexual and reproductive health

![Bar chart showing data on sexual and reproductive health.](chart.png)

- **Ever had sex**: 31 in 2001, 36 in 2007, 24 in 2012
- **Always uses condoms to prevent STI**: 49 in 2001, 45 in 2007, 45 in 2012
- **Always uses contraception to prevent pregnancy**: 60 in 2001, 60 in 2007, 58 in 2012

* Indicates additional note or condition relevant to the data.
Activity, food and body size

- Physical Activity 60 mins a day
- Eat 5 or more fruit & veg a day
- Overweight or obese

2007:
- Physical Activity: 12
- Eat 5 or more fruit & veg: 15
- Overweight or obese: 35

2012:
- Physical Activity: 10
- Eat 5 or more fruit & veg: 17
- Overweight or obese: 37
% Change total pop
2001 - 2012
Percentage change for Taitamariki Māori between 2001 and 2012
Disparities

Most disparities comparing Māori to NZ European/Pākehā students show little difference BUT disparities are narrowing for:

- Students saying that they intend to complete secondary school (Year 13)
- Significant depressive symptoms
- Weekly or more frequent smoking
- Being a passenger with someone who had been drinking alcohol
- Being currently sexually active
- Witnessing violence in the home

SMY were more likely to report clinically significant depressive symptoms in all three waves, and the disparities in relation to this outcome increased from 2001 (OR = 2.38) through 2007 (OR = 3.55) to 2012 (OR = 3.73)
Weekly drinking – evidence from 28 countries
Source: Health Behaviour in School-Aged Children study

De Looze et al EJPH 2015
Youth drink driving US CDC YRBS data
Violence against youth in the United States, 1992-2003
Source: Data from De Voe et al, 2004
England and Wales
Quarterly conceptions to women aged under 18
• Error

• Increase in social desirability bias?

• Temporary blip
Behaviour specific

• Polices, legislation, specific environmental changes

• Mass media and social marketing campaigns
Youth risk taking

- School curricula & school climate
- Cascade response
Influences on multiple behaviours

• Macro economic environment and global recession ‘08

• Wealth and income inequality
Family and social environments

MOTHER: Vicky aged eight in 1979 was allowed to walk to the swimming pool alone half a mile away.

SON: Ed, now eight is only allowed to walk on his own to the end of his street (300 yards).

GRANDFATHER: Jack aged eight in 1950. Able to walk about one mile on his own to the woods.

GREAT-GRANDFATHER: George aged eight in 1919. Allowed to walk six miles to go fishing.
Photos
Pukeahu Anthology
Gallery and Te Ara
Photos: Te Ara
Yep! Just whatever you guys are having. Vegetarian?

what time r u home?

in 5 mins

yay! can u pick up some of that nice bread?
“I see no hope for the future of our people if they are dependent on the frivolous youth of today, for certainly all youth are reckless beyond words. When I was a boy, we were taught to be discrete and respectful of elders, but the present youth are exceedingly unwise and impatient of restraint.”
Future directions

• Responding changing environment, era of IDI
• New collaboration and research opportunities
  – extend ages
  – address new questions
  – monitor trends
  – Integrate survey and interventions
Thank you for finishing the survey!

Would you like to find out some options for...

- Feeling happier
- Cutting down or giving up smoking
- Getting fitter
- Something else
- No thanks

You will be able to choose another option later on
Thank You

The Youth’12 project was funded by the Ministries of Youth Development, Social Development, Health, Education and Justice, the Department of Labour, the Families Commission and the Health Promotion Agency (HPA)

Thanks to all the schools and students who participated

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