

Which hurts more?

An exploration of traditional and cyber bullying among post-primary school students in Ireland.

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Rationale

- Traditional bullying
- Bullying associated with negative health outcomes
- Differences in consequences of traditional and cyber among Irish adolescents?
 - Lack of information on cyberbullying in Ireland
 - Data on cyberbullying in Ireland – HBSC 2014

HBSC Study

- World Health Organisation (WHO) cross-national research project
- Improve understanding of young people's health and wellbeing
- 4 year survey cycle
 - 1998 – Ireland joined HBSC – traditional bullying data
 - 2014 – cyberbullying

Aim

- Explore the behaviours and consequences of bullying among post-primary school students in Ireland

Objectives

- Compare the outcomes of bullying
- Measure the prevalence of bullying



Papers

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Cross-national time trends in bullying victimization in 33 countries among children aged 11, 13 and 15 from 2002 to 2010

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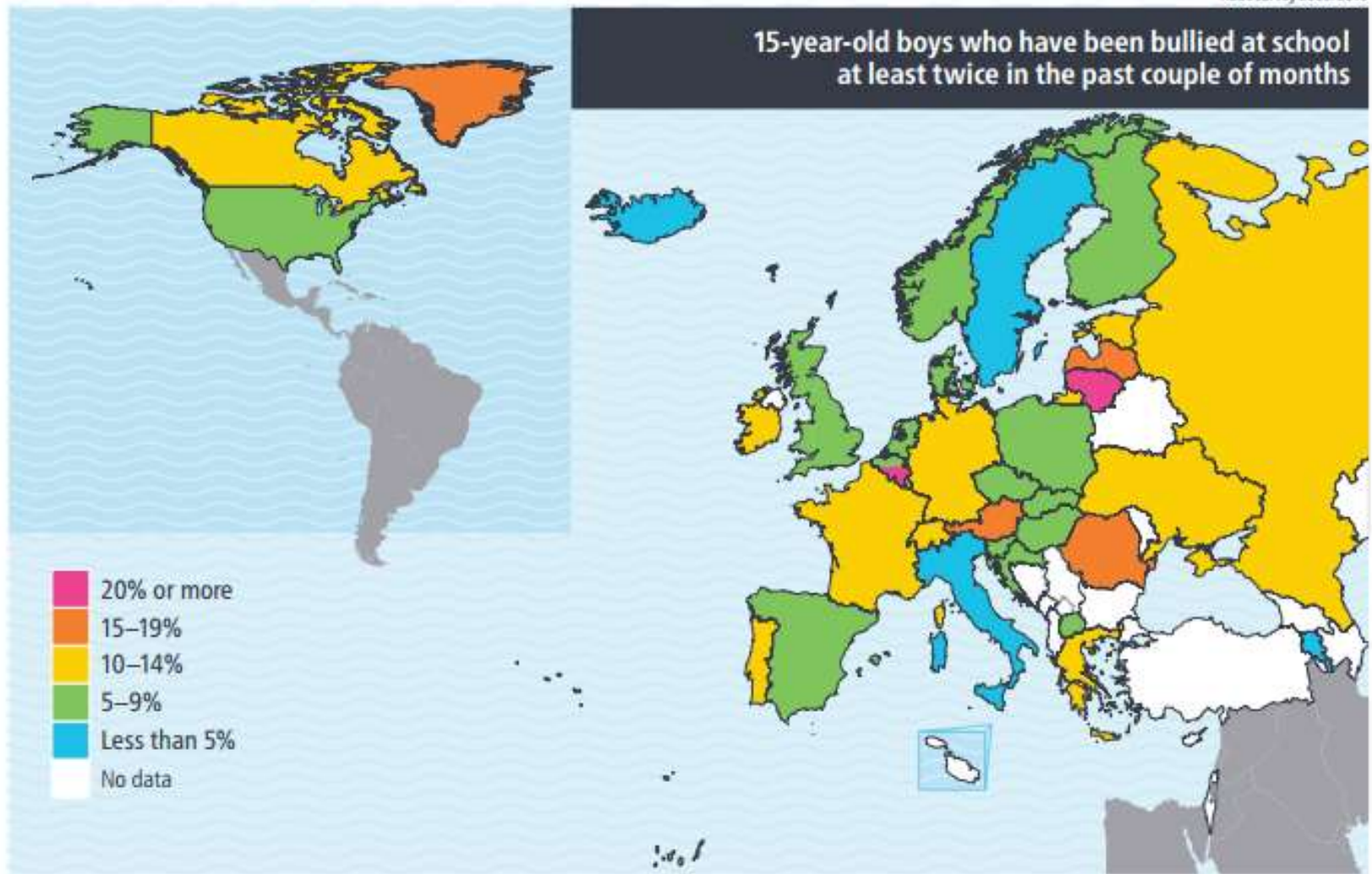
ORIGINAL ARTICLE

Exploring traditional and cyberbullying among Irish adolescents

Mary Callaghan · Colette Kelly · Michal Molcho

Internationally...

HBSC survey 2009/2010



Note. HBSC teams provided disaggregated data for Belgium and the United Kingdom; these data appear in the map above.

Methods

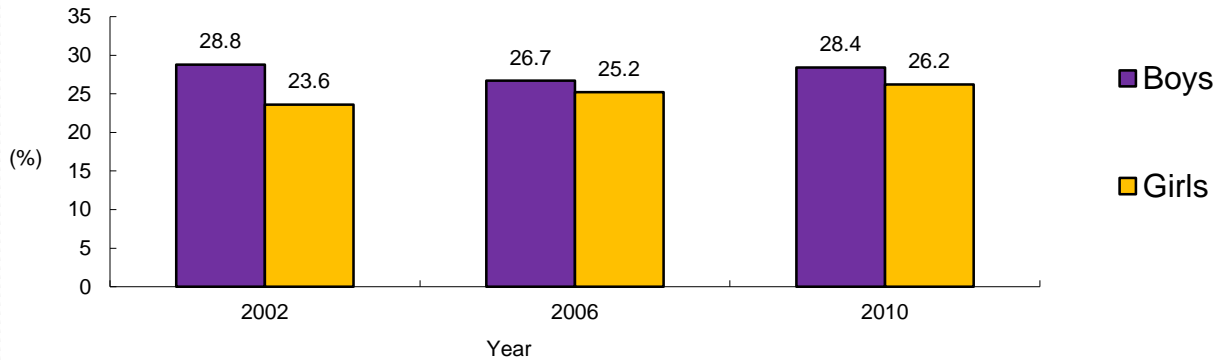
“repeated aggressive behaviour, with the intention to cause harm within the context of an asymmetrical power relationship”

Olweus, 1993

- 33 countries and regions
- 2002, 2006, 2010
- 11, 13 and 15 year olds
- 581, 838 children

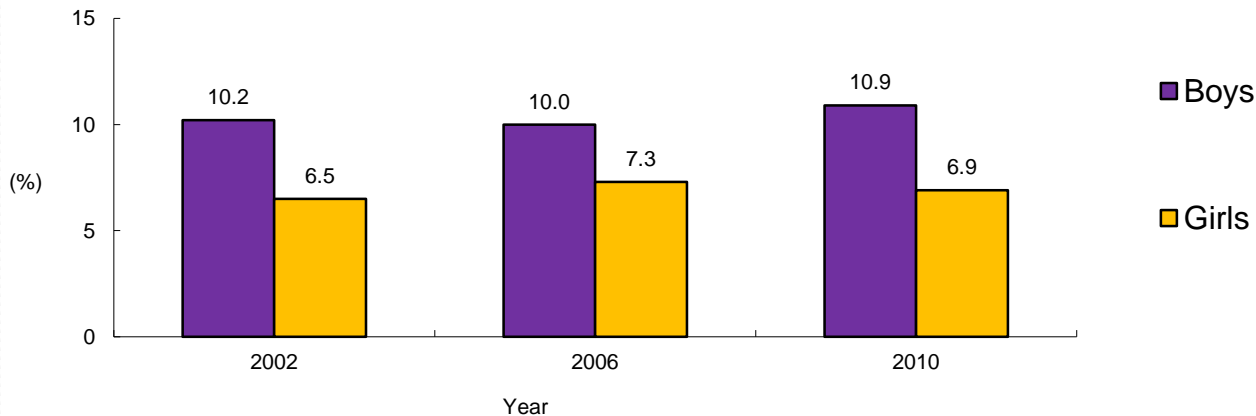
Results - Traditional bullying

Percentages of young people who report being bullied once or more at school in the past couple of months, 2002 - 2010, by gender



Occasional

Percentages of young people being bullied at least two or three times at school in the past couple of months, 2002 - 2010, by gender



Chronic

Boys

2002

| | Being bullied | Boys % |
|----|-------------------|-------------|
| 1 | Lithuania | 65 |
| 2 | Portugal | 55.6 |
| 3 | Latvia | 52.3 |
| 4 | Belgium (French) | 50.5 |
| 5 | Ukraine | 50 |
| 6 | Austria | 47.7 |
| 7 | Estonia | 46.5 |
| 8 | Switzerland | 42.3 |
| 9 | Greenland | 40.5 |
| 10 | Russia | 40.4 |
| 11 | Germany | 39.5 |
| 12 | Canada | 38.4 |
| 13 | England | 38.1 |
| 14 | USA | 35.6 |
| 15 | Norway | 35 |
| 16 | France | 34.3 |
| 17 | Poland | 33.2 |
| 18 | Belgium (Flemish) | 32.8 |
| 19 | Netherlands | 32.2 |
| 20 | Denmark | 31.3 |
| 21 | Italy | 31 |
| 22 | Macedonia | 30.6 |
| 23 | Ireland | 28.8 |
| 24 | Wales | 28.6 |
| 25 | Croatia | 28.4 |
| 26 | Scotland | 27.8 |
| 27 | Spain | 27.5 |
| 28 | Finland | 27.1 |
| 29 | Greece | 26.4 |
| 30 | Hungary | 22.7 |
| 31 | Slovenia | 21.8 |
| 32 | Czech Republic | 17.2 |
| 33 | Sweden | 15.2 |

2006

| | Being bullied | Boys % |
|----|-------------------|-------------|
| 1 | Lithuania | 56.4 |
| 2 | Belgium (French) | 56.2 |
| 3 | Greece | 51.8 |
| 4 | Latvia | 50.3 |
| 5 | Ukraine | 49.4 |
| 6 | Greenland | 49.1 |
| 7 | Estonia | 48.2 |
| 8 | Portugal | 46.2 |
| 9 | Austria | 45.7 |
| 10 | Switzerland | 41.5 |
| 11 | Germany | 35.7 |
| 12 | Canada | 35.6 |
| 13 | Russia | 35.5 |
| 14 | France | 33.3 |
| 15 | Poland | 31.2 |
| 16 | Macedonia | 30.6 |
| 17 | England | 30.3 |
| 18 | Wales | 30.1 |
| 19 | USA | 29.9 |
| 20 | Norway | 29.5 |
| 21 | Netherlands | 28.3 |
| 22 | Finland | 27.4 |
| 23 | Slovenia | 27.2 |
| 24 | Ireland | 26.7 |
| 25 | Scotland | 26.6 |
| 26 | Italy | 26.2 |
| 27 | Belgium (Flemish) | 25.1 |
| 28 | Denmark | 24.3 |
| 29 | Hungary | 24.2 |
| 30 | Croatia | 21.2 |
| 31 | Czech Republic | 17 |
| 32 | Spain | 16 |
| 33 | Sweden | 15.7 |

2010

| | Being bullied | Boys % |
|----|-------------------|-------------|
| 1 | Belgium (French) | 59.7 |
| 2 | Lithuania | 55.2 |
| 3 | Latvia | 47.8 |
| 4 | Austria | 45 |
| 5 | Portugal | 43.8 |
| 6 | Estonia | 43.6 |
| 7 | Ukraine | 43.2 |
| 8 | Greenland | 39.6 |
| 9 | Switzerland | 39.2 |
| 10 | Russia | 37.6 |
| 11 | Canada | 36.4 |
| 12 | France | 34.1 |
| 13 | Finland | 32.6 |
| 14 | Poland | 31.7 |
| 15 | Germany | 31.5 |
| 16 | Belgium (Flemish) | 31.2 |
| 17 | Wales | 29.7 |
| 18 | Greece | 29.3 |
| 19 | Hungary | 29.2 |
| 20 | USA | 28.4 |
| 21 | Ireland | 28.4 |
| 22 | Norway | 27.6 |
| 23 | England | 27 |
| 24 | Netherlands | 26.8 |
| 25 | Macedonia | 26 |
| 26 | Scotland | 23.8 |
| 27 | Slovenia | 21.8 |
| 28 | Denmark | 19.9 |
| 29 | Croatia | 18.2 |
| 30 | Spain | 18 |
| 31 | Czech Republic | 16 |
| 32 | Italy | 13.8 |
| 33 | Sweden | 12.4 |

Belgium (French) ↑
 Croatia
 Denmark
 England
 Finland ↑
 Germany
 Greece ↑
 Hungary ↑
 Italy
 Lithuania
 Macedonia
 Netherlands
 Norway
 Portugal
 Russia
 Scotland
 Spain
 Sweden
 Switzerland
 Ukraine
 USA

Girls

Austria
 Belgium (French) ↑
 Croatia
 Denmark
 England
 Finland ↑
 Germany
 Greece ↑
 Greenland
 Hungary ↑
 Italy
 Lithuania
 Macedonia
 Netherlands
 Norway
 Poland
 Portugal
 Scotland
 Spain
 Switzerland
 USA
 Wales

2002

| Being bullied | Girls % |
|----------------------|---------|
| 1 Lithuania | 63.6 |
| 2 Ukraine | 48.1 |
| 3 Greenland | 45.9 |
| 4 Latvia | 44.8 |
| 5 Portugal | 44 |
| 6 Estonia | 42.4 |
| 7 Austria | 41.2 |
| 8 Switzerland | 38.7 |
| 9 Canada | 37 |
| 10 France | 36 |
| 11 Russia | 35.1 |
| 12 England | 34.8 |
| 13 Germany | 33.8 |
| 14 Belgium (French) | 33.6 |
| 15 USA | 32.6 |
| 16 Denmark | 32.1 |
| 17 Wales | 30.6 |
| 18 Scotland | 30.1 |
| 19 Norway | 29.7 |
| 20 Belgium (Flemish) | 27.7 |
| 21 Poland | 27.3 |
| 22 Netherlands | 27.3 |
| 23 Italy | 25.4 |
| 24 Macedonia | 25 |
| 25 Spain | 24.7 |
| 26 Hungary | 23.8 |
| 27 Ireland | 23.6 |
| 28 Slovenia | 23 |
| 29 Greece | 22.5 |
| 30 Finland | 21 |
| 31 Croatia | 20.8 |
| 32 Czech Republic | 14.9 |
| 33 Sweden | 14.7 |

2006

| Being bullied | Girls % |
|----------------------|---------|
| 1 Lithuania | 56.2 |
| 2 Greenland | 52.4 |
| 3 Greece | 51.7 |
| 4 Ukraine | 50.4 |
| 5 Latvia | 46.5 |
| 6 Estonia | 42.7 |
| 7 Belgium (French) | 39 |
| 8 Portugal | 37.5 |
| 9 Austria | 36 |
| 10 France | 35.1 |
| 11 Canada | 34.7 |
| 12 Switzerland | 34.3 |
| 13 Russia | 34.3 |
| 14 Germany | 32.9 |
| 15 Wales | 31.7 |
| 16 USA | 29.1 |
| 17 England | 26.8 |
| 18 Scotland | 26.3 |
| 19 Hungary | 26.1 |
| 20 Netherlands | 25.3 |
| 21 Ireland | 25.2 |
| 22 Denmark | 24.9 |
| 23 Norway | 23.1 |
| 24 Belgium (Flemish) | 22.4 |
| 25 Slovenia | 22.3 |
| 26 Finland | 22 |
| 27 Poland | 21.3 |
| 28 Macedonia | 21 |
| 29 Croatia | 18.8 |
| 30 Italy | 18.3 |
| 31 Czech Republic | 15.5 |
| 32 Sweden | 13.6 |
| 33 Spain | 11.4 |

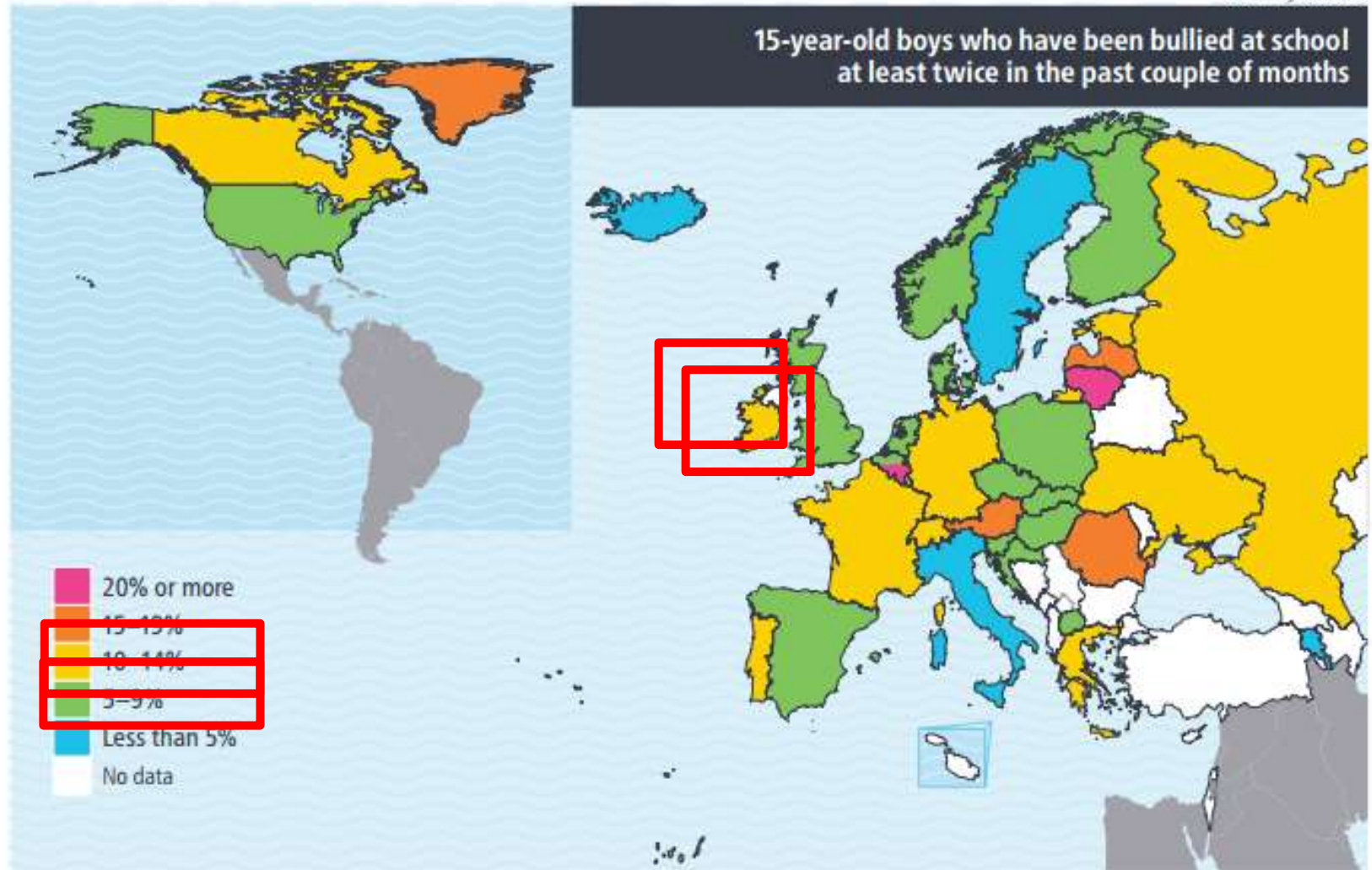
2010

| Being bullied | Girls % |
|----------------------|---------|
| 1 Lithuania | 52.8 |
| 2 Latvia | 45.5 |
| 3 Ukraine | 45.3 |
| 4 Belgium (French) | 42.5 |
| 5 Estonia | 38.3 |
| 6 Canada | 37.9 |
| 7 Russia | 36.3 |
| 8 Greenland | 36 |
| 9 Austria | 35.9 |
| 10 France | 33.9 |
| 11 Switzerland | 33.4 |
| 12 Portugal | 31.9 |
| 13 Finland | 28.6 |
| 14 Germany | 28.5 |
| 15 Belgium (Flemish) | 28.2 |
| 16 England | 28.1 |
| 17 USA | 27.4 |
| 18 Wales | 26.7 |
| 19 Ireland | 26.2 |
| 20 Greece | 25.9 |
| 21 Norway | 25.3 |
| 22 Hungary | 25.1 |
| 23 Scotland | 23.3 |
| 24 Netherlands | 22.6 |
| 25 Poland | 21.3 |
| 26 Denmark | 20 |
| 27 Slovenia | 19 |
| 28 Macedonia | 16.1 |
| 29 Croatia | 15.9 |
| 30 Czech Republic | 15.1 |
| 31 Sweden | 12.4 |
| 32 Spain | 10.8 |
| 33 Italy | 8.4 |

Nationally...

HBSC survey 2009/2010

15-year-old boys who have been bullied at school
at least twice in the past couple of months



Note. HBSC teams provided disaggregated data for Belgium and the United Kingdom; these data appear in the map above.

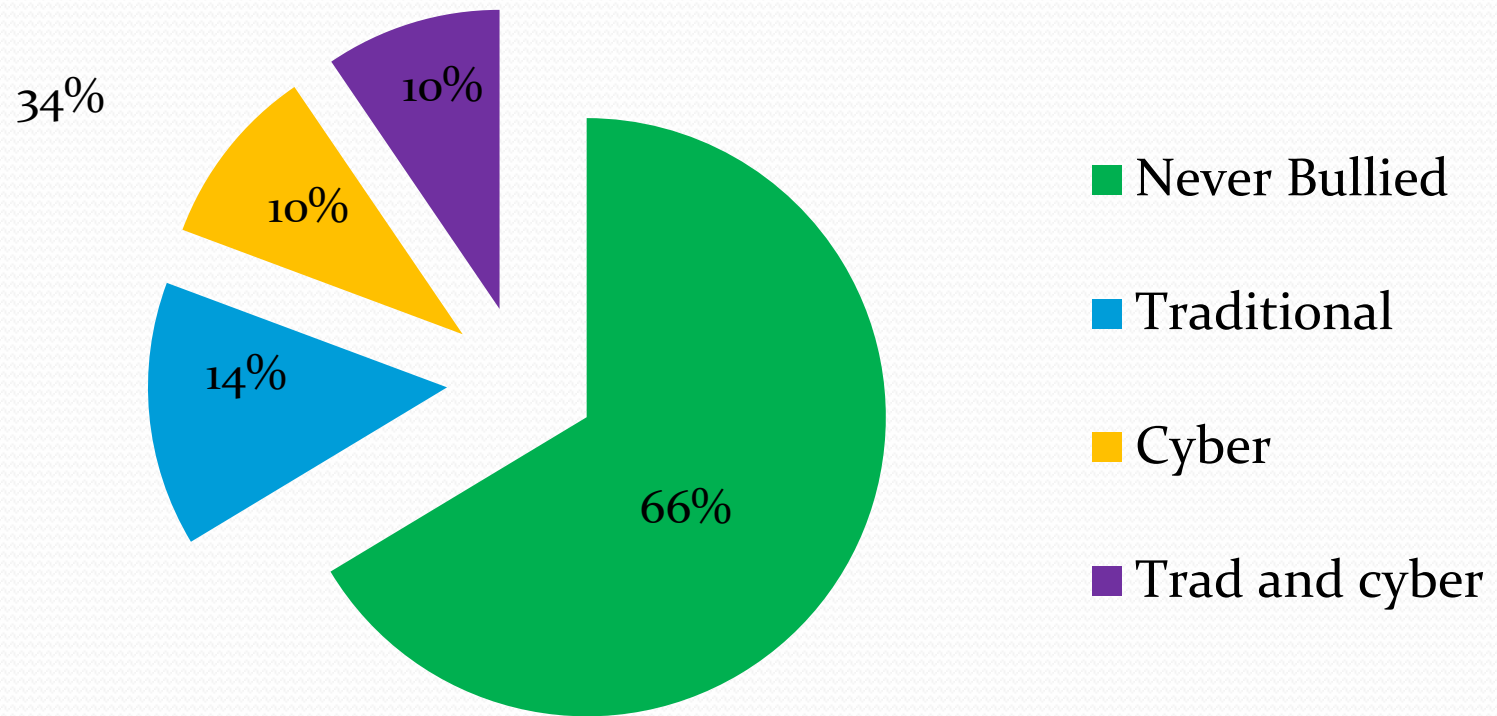
Methods

- 318 students (59% boys, 41% girls)
- 8 schools
- Questionnaires in class
- ~ 40 minutes
- Ethical approval - REC

Variables

- Traditional and Cyberbullying
 - Bullied in past couple of months
 - Mean messages
 - Unflattering pictures
 - Tricked into sharing online
- General health and life satisfaction
 - Excellent, good, fair, poor
 - Cantril ladder of Life
- Risk behaviours
 - Drinking alcohol, smoking, cannabis use and sexual behaviour

Results



Results

| | All | | Self Rated Health | | | | Reported life satisfaction | | | |
|------------------------------|-------|-----|-------------------|----|---------------|-----|----------------------------|-----|-------|----|
| | | | Excellent | | Not excellent | | High | | Low | |
| | % | n | % | n | % | n | % | n | % | n |
| Never bullied | | | | | | | | | | |
| All | 66.3 | 209 | 73.8* | 76 | 62.7* | 133 | 71.6* | 161 | 52.8* | 47 |
| Boys | 67.6 | 125 | 71.0 | 49 | 65.5 | 76 | 71.1 | 96 | 56.0 | 28 |
| Girls | 64.6 | 84 | 79.4 | 27 | 59.4 | 57 | 72.2 | 65 | 47.5 | 19 |
| Traditional only | | | | | | | | | | |
| All | 14.3 | 45 | 11.7 | 12 | 15.6 | 33 | 11.1* | 25 | 22.5* | 20 |
| Boys | 15.7 | 29 | 14.5 | 10 | 16.4 | 19 | 14.1 | 19 | 20.0 | 10 |
| Girls | 12.3 | 16 | 5.9 | 2 | 14.6 | 14 | 6.7 | 6 | 25.0 | 10 |
| Cyber only | | | | | | | | | | |
| All | 9.8 | 31 | 8.7* | 9 | 10.4 | 22 | 8.4 | 19 | 13.5 | 12 |
| Boys | 10.3 | 19 | 10.1 | 7 | 10.3 | 12 | 8.9 | 12 | 14.0 | 7 |
| Girls | 9.2 | 12 | 5.9 | 2 | 10.4 | 10 | 7.8 | 7 | 12.5 | 5 |
| Traditional and Cyber | | | | | | | | | | |
| All | 9.5 | 30 | 5.8 | 6 | 11.6 | 24 | 8.8 | 20 | 11.2 | 10 |
| Boys | 6.5* | 12 | 4.3 | 3 | 7.8 | 9 | 5.9* | 8 | 8.0* | 4 |
| Girls | 13.8* | 12 | 8.8 | 3 | 15.6 | 15 | 13.2* | 12 | 15.0* | 6 |

Results

| | All | | Self Rated Health | | | | Reported life satisfaction | | | |
|--------------------|-------|-----|-------------------|----|---------------|-----|----------------------------|-----|-------|----|
| | | | Excellent | | Not excellent | | High | | Low | |
| | % | n | % | n | % | n | % | n | % | n |
| Low risk | | | | | | | | | | |
| All | 58.2 | 184 | 68.3* | 71 | 53.3* | 113 | 62.2* | 140 | 48.9* | 44 |
| Boys | 50.5* | 94 | 62.9* | 44 | 43.1* | 50 | 53.3* | 72 | 44.0 | 22 |
| Girls | 69.2* | 90 | 79.4* | 27 | 65.6* | 63 | 75.6* | 68 | 55.0 | 22 |
| Medium risk | | | | | | | | | | |
| All | 27.5 | 87 | 25.0 | 26 | 28.8 | 61 | 27.1 | 61 | 27.8 | 25 |
| Boys | 31.2 | 58 | 30.0* | 21 | 31.9 | 37 | 31.9* | 43 | 28.0 | 14 |
| Girls | 22.3 | 29 | 14.7* | 5 | 25.0 | 24 | 20.0* | 18 | 27.5 | 11 |
| High risk | | | | | | | | | | |
| All | 14.2 | 45 | 6.7* | 7 | 17.9* | 38 | 10.7* | 24 | 23.3* | 21 |
| Boys | 18.3* | 34 | 7.1* | 5 | 25.0* | 29 | 14.8* | 20 | 28.0 | 14 |
| Girls | 8.5* | 11 | 5.9* | 2 | 9.4* | 9 | 4.4* | 4 | 17.5 | 7 |

Conclusion

- Bullying a common occurrence among post-primary students
 - Traditional bullying more common than cyberbullying
 - Cyber and traditional
- Decreasing trend in bullying internationally in a third of countries
 - Fluctuations
 - Gender differences (larger differences among boys)
- Health: being a victim did not significantly predict poor health
 - Involvement in risk behaviours : Boys
- Life satisfaction:
 - Girls: victim of traditional bullying
 - High risk behaviour
- Important issue for adolescent health and wellbeing

Thoughts...

- Definition of bullying
 - In particular cyberbullying
- School policies
 - Lack of boundaries for cyberbullying? Is it a school issue?
- Pace at which technology is changing
 - How do we ensure that we are capturing what is relevant when it is relevant?

Thank you!

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My thesis is written in



WWW.PHDCOMICS.COM

Traditional Bullying

- How often have you been bullied at school in the past couple of months?
 - I have not been bullied in this way in the past couple of months
 - It only happened once or twice
 - 2 to 3 times a month
 - About once a week
 - Several times a week

0: not been bullied, 1: bullied 1+

Cyberbullying index

- How often have you been bullied at school in the past couple of months in the ways listed below?
 - Someone sent mean instant messages, wall postings, emails and text messages, or created a Web site that made fun of me
 - Someone took unflattering or inappropriate pictures of me without permission and posted them online
 - Someone tricked me into sharing personal information in an email or text message and forwarded that.

Health and Wellbeing

Here is a picture of a ladder:

The top of the ladder '10' is the best possible life for you and the bottom '0' is the worst possible life for you.

In general, where on the ladder do you feel you stand at the moment?

Tick next to the number that best describes where you stand.



- 'Would you say your health is excellent, good, fair or poor?'



Risk behaviour index

- 4 behaviours (Brooks et al, 2012)
 - smoking
 - drinking alcohol
 - cannabis use
 - sexual behaviour

0: no engagement

1: smoke or drink once or twice in past 30 days, take cannabis once or twice in lifetime, sexual intercourse using a condom

2: smoke or drink 3+ times in past 30 days, take cannabis 3+ times lifetime , sexual intercourse without a condom

0-8: 0-1 low risk, 2-4 medium risk, 5-8 high risk