



Concussion and Youth Sports 2015

User Guide and Codebook

Angus Reid Institute

User Guide compiled by:
Data Services, Academic Services
Queen's University Library
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INTRODUCTION

[Angus Reid Institute](#) is a national, not-for-profit, non-partisan public opinion research organization.

This survey asks Canadian adults if they ever experienced a concussion playing sports as a child or adult. It also asks about proposed regulations for monitoring and preventing such injuries in youth sports.

Queen's University Library (QUL) Data Services worked collaboratively with Angus Reid Institute to document and archive the dataset described here. QUL is grateful to Angus Reid Institute for their commitment to providing broad and open access to this dataset.

METADATA

Dataset

Number of Cases = 1522

Number of Variables = 98

Definition

For the purpose of this survey, concussion were defines as “a brain injury that alters the way one’s brain functions. Effects are usually temporary, and can include headaches, vomiting, and problems with concentration, memory, balance, and coordination”.

Universe

Individuals 18 years and older who are members of the Angus Reid Forum panel.

Geography

Canada

Date of Collection

November 10-13, 2015

Mode of data collection

Online survey

Sampling procedure

1522 Canadians adults were randomly selected from Angus Reid Forum panel members.

For comparison purposes only, a probability sample of this size would carry a margin of error of +/- 2.5 percentage points, 19 times out of 20. Discrepancies in or between totals are due to rounding.

Mode of data collection

Online survey

Characteristics of the data collection situation

This survey was conducted in conjunction with the *Hockey Night in Canada Year in Review, 2015*, survey. The dataset was received by Data Services, Queen's University Library, as one dataset. Questions Q1-Q9

concerns the *Concussion in Youth Sport, 2015* survey and questions QH1-QH10 the *Hockey Night in Canada Year in Review, 2015* survey.

Data processing notes

The combined dataset was split by Data Services, Queen's University Library, into two datasets. The demographic and weight variables are the same for each dataset. The variable numbering from the original combined dataset was maintained in each dataset.

QUESTIONNAIRE

We'd like to ask people about the issue of concussions in sports. For the purposes of this survey, we'll define concussions as a brain injury that alters the way your brain functions. Effects are usually temporary and can include headaches, vomiting and problems with concentration, memory, balance and coordination.

Q1. Based on whatever you've seen, read, or heard about this issue of concussions and sports, how serious a problem do you think this is today?

[rotate]

Very serious, it should receive more attention than it does

Not serious at all, it's been overblown

[anchored] Don't know/Can't say

As a kid

Q2. Did you yourself participate in any kind of organized sports, when you were a minor (under the age of 18)? Some examples might include in a recreational league, or on a school team, etc.

No, I did not play organized sports

Yes, I played organized sports

[IF NO AT Q2, SKIP TO Q4]

[IF YES AT Q2, ASK Q3a:]

Q3a. Did you ever experience a concussion playing sports when you were young (that is, before you turned 18)?

Yes, once

Yes, more than once

I think so, but it was never diagnosed

No, never had a concussion from sports as a kid

[IF NO AT Q3a, SKIP TO Q4]

[IF YES OR THINK SO (ALL BUT NO) AT Q3a, CONTINUE WITH REST OF Q3]

Q3b. Please think back to this concussion you experienced before you turned 18. (If there was more than one concussion, please think about the most serious one.)

Was a responsible adult (e.g. your coach, teacher, parents or some other responsible adult) aware of your injury?

Yes, aware

No, not aware

Q3c. Did you see a doctor for this concussion?

Yes

No

Q3d. How long did symptoms from the concussion last?

A short time (hours or a day or so)

A week or so

A month or so

A few months

Less than a year

More than a year

Several years

I still feel them today

Really Not Sure/Don't Know

Q3e. What impact, if any, did the injury have on your participation in the sport you were playing when you got the concussion?

No impact – kept playing

Sat out a few days

Sat out a few weeks

Sat out the season

Sat out longer

I never played that sport again

Q3f. And, thinking back to the concussion(s) you experienced playing sports when you were young, what were the overall effects, if any, not just on sports, but on your life? Please choose all that apply.

[keep in this order]

Missed school

School marks suffered

Physical effects – dizziness, confusion, nausea, vomiting etc.

Problems with memory and learning

Impact on my social life

Changed my mood

Made me scared/wary of playing sports

[fixed and anchored] No important effects

As an adult

[ASK EVERYONE:]

Q4a. Now, as an adult, do you or have you participated in any kind of organized sports (e.g. in a recreational league, or through university etc.)?

- No, have not played organized sports as an adult
- Yes, did so – more than 10 years ago
- Yes, did so – within the past 10 years
- Yes, currently play organized sports

[IF NO AT Q4a, SKIP TO Q5]

[IF YES AT Q4a, ASK Q4b:]

Q4b. Did you ever experience a concussion playing sports as an adult, after you turned 18?

- Yes, once
- Yes, more than once
- I think so, but it was never diagnosed
- No, never had a concussion playing sports as an adult

[IF NO AT Q4b, SKIP TO Q5]

[IF YES OR THINK SO (ALL BUT NO) AT Q4b, CONTINUE WITH REST OF Q4:]

Q4c. Please think about this concussion you experienced playing sports as an adult. (If there was more than one concussion, please think about the most serious one.)

Did you see a doctor for this concussion?

- Yes
- No

Q4d. How long did symptoms from this concussion last?

- A short time (hours or a day or so)
- A week or so
- A month or so
- A few months
- Less than a year
- More than a year
- Several years
- I still feel them today
- Really Not Sure/Don't Know

Q4e. What impact, if any, did the injury have on your participation in the sport you were playing when you got the concussion?

- No impact – kept playing
- Sat out a few days
- Sat a few weeks
- Sat out the season
- Sat out longer
- I never played that sport again

4f. And, thinking back to the concussion(s) you experienced playing sports as an adult, what were the overall effects, if any, not just on sports, but on your life? Please choose all that apply

[keep in this order]

- Missed school or work
- School or work performance suffered
- Physical effects – dizziness, confusion, nausea, vomiting etc.
- Problems with memory and learning
- Impact on my social life
- Changed my mood
- Made me scared/wary of doing sports
- [fixed and anchored] No important effects

Parents

[ASK EVERYONE:]

Q5a. Are you or have you been the parent or caregiver of children who participate(d) in organized sports?

- Yes, currently have one or more kids playing organized sports
- Yes, did have kids playing, but no longer playing or grown up now
- No, no kids or none playing/played organized sports

[IF NO AT Q5a, SKIP TO Q6]

[IF YES AT Q5a, ask:]

Q5b. Did your child(ren) ever experience a concussion playing organized sports?

- Yes, once
- Yes, more than once
- I think so, but it was never diagnosed
- No, never had a concussion

[IF NO AT Q5b, SKIP TO Q6]

[IF YES OR THINK SO (ALL BUT NO) AT Q5b, CONTINUE WITH REST OF Q5]

Q5c. Please think about this concussion your child(ren) experienced while playing sports. (If there was more than one concussion, please think about the most serious one). Did they see a doctor for this concussion?

Yes

No

Q5d. How long did symptoms from your child's concussion last?

A short time (hours or a day or so)

A week or so

A month or so

A few months

Less than a year

More than a year

Several years

They still feel them today

Really Not Sure/Don't Know

Q5e. What impact, if any, did the injury have on their participation in the sport they were playing? When they got the concussion?

No impact – kept playing

Sat out a few days

Sat a few weeks

Sat out the season

Sat out longer

They never played that sport again

Q5f. And, thinking back to the concussion(s) your child(ren) experienced playing sports, what were the overall effects, if any, not just on sports, but on their life? Please choose all that apply

[keep in this order]

Missed school

School marks suffered

Physical effects – dizziness, confusion, nausea, vomiting etc.

Problems with memory and learning

Impact on their social life

Changed their mood

Made them scared/wary of doing other sports

[fixed and anchored] No important effects

ASK EVERYONE (through to end)

Q6. Here are some statements about concussions and young athletes. Please tell us whether you agree or disagree with each of these:

[ROWS]

[randomize]

If my child got a concussion playing sports, the coaches/trainers would handle the situation well
Schools in my province have a good plan to prevent concussions as much as possible
Youth leagues in my province have a good plan to prevent concussions as much as possible
Concussions are happening to students more frequently now than when I was in school
Too many parents would allow their child to play sports too soon after a concussion
Too many coaches would allow a young athlete to play sports too soon after a concussion
Overall, the benefits of kids playing organized sports far outweigh the risks of concussion

[COLUMNS]

Strongly disagree
Moderately disagree
Moderately agree
Strongly agree
Not sure

Q7. Of the following sports, which, if any, would you be concerned about children playing because of the risk of concussions? Pick up to three:

[randomize]

Soccer
Hockey
Basketball
Baseball/Softball
Gymnastics
Figure Skating
Rugby
Football
Tennis
Martial Arts
Field Hockey
Lacrosse
Anchor: None of these/Not really concerned

Q8. Thinking about the role of government in youth sports, which statement is closest to your own point of view?

Provincial governments need to step in with laws/regulations to better protect young athletes from concussions
There's no need for government oversight; coaches and parents are doing well enough protecting young athletes from concussions

Q9. Different proposals have been made to address the issue of concussions in organized youth sports. Would you support or oppose each of the following policies?

[RANDOMIZE]

Requiring a certified trainer or health professional be present for every organized youth game

Requiring young athletes to follow a "Return to Play" policy – steps they must take before returning to normal activity after a suspected concussion

Requiring young athletes to obtain a doctor's permission before returning to sports after a suspected concussion

Requiring coaches to be educated on the risks of concussions as a condition of their eligibility to coach

Not allowing kids under the age of 14 to play contact sports

[COLUMNS]

Strongly oppose

Moderately oppose

Moderately support

Strongly support

Q10. If a certified trainer or other health professional were required to be onsite for organized youth games, who should be **most** responsible for covering those costs?

Parents/player fees

The organization (school, youth sports league etc.)

The government

Don't know

RELATED PUBLICATIONS

Media Release - [One-in-five Canadians say they've suffered a concussion playing sports; most before turning 18](#)

DOCUMENTATION

[Tables](#)

TOPIC INDEX

Demographic

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Age	ARF - Age (3 groups)
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ARF_Education_Level_DV	ARF - Education [derived variable]
arf_Marital_Status_DV	ARF - Marital Status [derived variable]
arf_Working_Status	ARF - Working Status
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arf_Home_Lang	ARF - Home Language
arf_HH_SIZE_DV	ARF - Household size [derived variable]
arf_Home_Ownership	ARF - Home Ownership
arf_HH_Income	ARF - Household Income
income	ARF - Income
lang	ARF - Language

Geographic

arf_Region_Rollup	ARF - Region Rollup - Provinces
arf_Urban_Rural	ARF - Urban Rural
arf_MACRO_REGION	ARF - Macro Region
region	ARF - Region (Manitoba/Saskatchewan grouped; Atlantic provinces grouped)
region7	ARF - Region (Atlantic provinces grouped)
OntReg	ARF - Ontario Region

Race

Race	ARF - Race
arf_Mosaic_identity_Born_in_CA	ARF - Mosaic identity - born in Canada
arf_Race_British	ARF - Race - British Isles (e.g., English, Irish, Scottish)
arf_Race_French	ARF - Race - French
arf_Race_OtherEur	ARF - Race - Other European (e.g., German, Russian, Italian, Norwegian)
arf_Race_Aboriginal	ARF - Race - Aboriginal (e.g., Inuit, Métis, North American Indian)
	ARF - Race - Other North American (e.g., Canadian, American, Newfoundlander, Québécois)
arf_Race_OtherNA	
arf_Race_Chinese	ARF - Race - Chinese
	ARF - Race - Other (includes Caribbean, Latin, Central, South America, African, Arab/West Asian, Oceania, Jewish)
arf_Race_Otherspecify_DV	

Survey Questions

Q1	How serious a problem are concussions
Q2	Participate in organized sports as a minor
Q3a	Experience concussion playing organized sport as minor
Q3b	Was an adult aware of injury
Q3c	See a doctor for concussion

Q3d	How long symptoms last
Q3e	Impact of injury on sport playing
Q3F_0	Overall effects: Missed school
Q3F_1	Overall effects: School marks suffered
Q3F_2	Overall effects: Physical effects
Q3F_3	Overall effects: Problems with memory and learning
Q3F_4	Overall effects: Impact on social life
Q3F_5	Overall effects: Changed my mood
Q3F_6	Overall effects: Made me scared/wary of playing sports
Q3F_7	Overall effects: No effects
Q4a	Participate in organized sports as adult
Q4b	Experience concussion playing organized sport as adult
Q4c	See doctor a for concussion
Q4d	How long symptoms last
Q4e	Impact of injury on sport playing
Q4F_0	Overall effects: Missed school or work
Q4F_1	Overall effects: School or work performance suffered
Q4F_2	Overall effects: Physical effects
Q4F_3	Overall effects: Problems with memory and learning
Q4F_4	Overall effects: Impact on social life
Q4F_5	Overall effects: Changed my mood
Q4F_6	Overall effects: Made me scared/wary of playing sports
Q4F_7	Overall effects: No effects
Q5a	Have child who participated in organized sports
Q5b	Child experience concussion playing organized sports
Q5c	Child see doctor for concussion
Q5d	How long symptoms last for child
Q5e	Impact of injury on sport playing for child
Q5F_0	Overall effects: Missed school
Q5F_1	Overall effects: School marks suffered
Q5F_2	Overall effects: Physical effects
Q5F_3	Overall effects: Problems with memory and learning
Q5F_4	Overall effects: Impact on social life
Q5F_5	Overall effects: Changed my mood
Q5F_6	Overall effects: Made me scared/wary of playing sports
Q5F_7	Overall effects: No effects
Q6_0	Agree/disagree: Coach/trainer can handle situation
Q6_1	Agree/disagree: Schools have good plan to prevent concussions
Q6_2	Agree/disagree: Youth leagues have plan to prevent concussions
Q6_3	Agree/disagree: Concussions are happening more frequently
Q6_4	Agree/disagree: Parents allows child to play sport too soon after concussion
Q6_5	Agree/disagree: Coaches allow children to play sport too soon after concussion
Q6_6	Agree/disagree: Benefits of organized sports outweigh risks
Q7_Soccer	Sports with risk of concussions: Soccer
Q7_Hockey	Sports with risk of concussions: Hockey
Q7_Basketball	Sports with risk of concussions: Basketball

Q7_BaseballSoftball	Sports with risk of concussions: Baseball/softball
Q7_Gymnastics	Sports with risk of concussions: Gymnastics
Q7_FigureSkating	Sports with risk of concussions: Figure skating
Q7_Rugby	Sports with risk of concussions: Rugby
Q7_Football	Sports with risk of concussions: Football
Q7_Tennis	Sports with risk of concussions: Tennis
Q7_MartialArts	Sports with risk of concussions: Martial arts
Q7_FieldHockey	Sports with risk of concussions: Field hockey
Q7_Lacrosse	Sports with risk of concussions: Lacrosse
Q7_None	Sports with risk of concussions: None/not concerned
Q8	Role of government in youth sports
Q9_0	Support/oppose proposal: Certified trainer required for every organized game
Q9_1	Support/oppose proposal: young athletes follow 'Return to Play' policy
Q9_2	Support/oppose proposal: Doctor's note before returning
Q9_3	Support/oppose proposal: Educate coaches on risk of concussion
Q9_4	Support/oppose proposal: Children under 14 not allowed to play contact sports
Q10	Cost for certified trainer: who is responsible

arf_Gender

		Value	Count	Percent
Standard	Position	1		
Attributes	Label	ARF - Gender		
Valid	1	Male	738	48.5%
Values	2	Female	784	51.5%

arf_Age_Rollup_fine

		Value	Count	Percent
Standard	Position	2		
Attributes	Label	ARF - Age (7 groups)		
Valid	1	Under 18	0	0.0%
Values	2	18 to 24	87	5.7%
	3	25 to 34	205	13.5%
	4	35 to 44	195	12.8%
	5	45 to 54	439	28.8%
	6	55 to 64	280	18.4%
	7	65+	316	20.8%

ARF_Education_Level_DV

		Value	Count	Percent
Standard	Position	3		
Attributes	Label	ARF - Education [derived variable]		
Valid	1	Elementary/grade school/some high school	139	9.1%
Values	2	High school graduate	511	33.6%
	3	Some college / technical school	147	9.7%
	4	Completed college / technical school	317	20.8%
	5	Some university	87	5.7%
	6	University undergraduate degree	194	12.7%
	7	Some post-graduate school	40	2.6%
	8	Post-graduate degree	87	5.7%

Based on Education_Level (removed from Public file)

arf_HH_Income

		Value	Count	Percent
Standard Attributes	Position Label	4 ARF - Household Income		
Valid Values	1	Less than \$25,000	152	10.0%
	2	\$25,000 to less than \$35,000	139	9.1%
	3	\$35,000 to less than \$50,000	236	15.5%
	4	\$50,000 to less than \$75,000	258	17.0%
	5	\$75,000 to less than \$100,000	227	14.9%
	6	\$100,000 to less than \$125,000	112	7.4%
	7	\$125,000 or more	145	9.5%
	8	Don't know/prefer not to say	253	16.6%

arf_Race_British

		Value	Count	Percent
Standard Attributes	Position Label	5 ARF - Race - British Isles (e.g., English, Irish, Scottish)		
Valid Values	0	Not Selected	975	64.1%
	1	Selected	546	35.9%
Missing Values	System		1	.1%

arf_Race_French

		Value	Count	Percent
Standard Attributes	Position Label	6 ARF - Race - French		
Valid Values	0	Not Selected	1313	86.3%
	1	Selected	208	13.7%
Missing Values	System		1	.1%

arf_Race_OtherEur

		Value	Count	Percent
Standard Attributes	Position Label	7 ARF - Race - Other European (e.g., German, Russian, Italian, Norwegian)		
Valid Values	0	Not Selected	1103	72.5%
	1	Selected	418	27.5%
Missing Values	System		1	.1%

arf_Race_Aboriginal

		Value	Count	Percent
Standard Attributes	Position Label	8 ARF - Race - Aboriginal (e.g., Inuit, Métis, North American Indian)		
Valid Values	0	Not Selected	1466	96.3%
	1	Selected	55	3.6%
Missing Values	System		1	.1%

arf_Race_OtherNA

		Value	Count	Percent
Standard Attributes	Position Label	9 ARF - Race - Other North American (e.g., Canadian, American, Newfoundlander, Québécois)		
Valid Values	0	Not Selected	735	48.3%
	1	Selected	786	51.6%
Missing Values	System		1	.1%

arf_Race_Chinese

		Value	Count	Percent
Standard Attributes	Position Label	10 ARF - Race - Chinese		
Valid Values	0	Not Selected	1481	97.3%
	1	Selected	40	2.6%
Missing Values	System		1	.1%

arf_Race_Otherspecify_DV

		Value	Count	Percent
Standard Attributes	Position Label	11 ARF - Race - Other (includes Caribbean, Latin, Central, South America, African, Arab/West Asian, Oceania, Jewish)		
Valid Values	0	Not Selected	1388	91.2%
	1	Selected	134	8.8%

Based on arf_Race_Otherspecify, arf_Race_Caribbean, arf_Race_CentralSA, arf_Race_African, arf_Race_Arab, arf_Race_Oceania, arf_Race_Jewish (removed from Public file)

arf_Region_Rollup

		Value	Count	Percent
Standard Attributes	Position Label	12 ARF - Region Rollup - Provinces		
Valid Values	1	BC	202	13.3%
	2	Alberta	152	10.0%
	3	SK	103	6.8%
	4	MB	105	6.9%
	5	ON	505	33.2%
	6	QC	353	23.2%
	7	Atlantic	102	6.7%
	8	Territories	0	0.0%

arf_HHKids

		Value	Count	Percent
Standard Attributes	Position Label	13 ARF - Household Kids		
Valid Values	1	Yes	428	28.1%
	2	No	1065	70.0%
Missing Values	System		29	1.9%

arf_Working_Status

		Value	Count	Percent
Standard Attributes	Position Label	14 ARF - Working Status		
Valid Values	1	Employed / self-employed full-time (30 or more hours per week)	632	41.5%
	2	Employed / self-employed part-time (fewer than 30 hours per week)	175	11.5%
	3	Full-time student	73	4.8%
	4	Homemaker	83	5.5%
	5	Retired	385	25.3%
	6	Currently looking for work	67	4.4%
	7	Not working for medical reasons	77	5.1%
	8	Other	30	2.0%

arf_Home_Lang

		Value	Count	Percent
Standard Attributes	Position Label	15 ARF - Home Language		
Valid Values	1	English	1171	76.9%
	2	French	314	20.6%
	3	Other	26	1.7%
Missing Values	System		11	.7%

arf_HH_SIZE_DV

		Value	Count	Percent
Standard Attributes	Position Label	16 ARF - Household size [derived variable]		
Valid Values	1	1 person in household	315	20.7%
	2	2 people in household	675	44.3%
	3	3 people in household	265	17.4%
	4	4 people in household	169	11.1%
	5	5 people in household	66	4.3%
	6	6 or more people in household	32	2.1%

Based on arf_HH_SIZE (removed from Public file)

arf_Home_Ownership

		Value	Count	Percent
Standard Attributes	Position Label	17 ARF - Home Ownership		
Valid Values	1	Own	1040	68.3%
	2	Rent	424	27.9%
	3	Other	46	3.0%
Missing Values	System		12	.8%

arf_Urban_Rural

		Value	Count	Percent
Standard Attributes	Position Label	18 ARF - Urban Rural		
Valid Values	1	Urban	1286	84.5%
	2	Rural	236	15.5%

arf_Marital_Status_DV

		Value	Count	Percent
Standard Attributes	Position Label	19 ARF - Marital Status [derived variable]		
Valid Values	1	Single, never married	334	21.9%
	2	Common law/Civil partnership	216	14.2%
	3	Married	719	47.2%
	4	Separated	40	2.6%
	5	Divorced	124	8.1%
	6	Widowed	55	3.6%
Missing Values	System		34	2.2%

Based on arf_Marital_Status (removed from Public file)

arf_MACRO_REGION

		Value	Count	Percent
Standard Attributes	Position Label	20 ARF - Macro Region		
Valid Values	1	Vancouver	84	5.5%
	2	BC Other	118	7.8%
	3	Calgary	63	4.1%
	4	Edmonton	50	3.3%
	5	AB Other	39	2.6%
	6	Regina / Saskatoon	63	4.1%
	7	SK Other	40	2.6%
	8	Winnipeg	72	4.7%
	9	MB Other	33	2.2%
	10	Toronto	180	11.8%
	11	Ottawa - Hull	0	0.0%
	12	ON Other	325	21.4%
	13	Montréal	165	10.8%
	14	Québec	46	3.0%
	15	QC Other	142	9.3%
	16	Halifax	18	1.2%
	17	ATL Other	84	5.5%
	18	North	0	0.0%

arf_Mosaic_identity_Born_in_CA

		Value	Count	Percent
Standard Attributes	Position Label	21 ARF - Mosaic identity - born in Canada		
Valid Values	1	Yes	742	48.8%
	2	No	99	6.5%
Missing Values	System		681	44.7%

Q1

		Value	Count	Percent
Standard Attributes	Position Label	22 How serious a problem are concussions		
Valid Values	1	Very serious, it should receive more attention than it does	1271	83.5%
	2	Not serious at all, it's been overblown	96	6.3%
	3	Don't know/Can't say	155	10.2%

Universe - All respondents

Q2

		Value	Count	Percent
Standard Attributes	Position Label	23 Participate in organized sports as a minor		
Valid Values	1	No, I did not play organized sports	696	45.7%
	2	Yes, I played organized sports	826	54.3%

Universe - All respondents

Q3a

		Value	Count	Percent
Standard Attributes	Position Label	24 Experience concussion playing organized sport as minor		
Valid Values	1	Yes, once	84	5.5%
	2	Yes, more than once	44	2.9%
	3	I think so, but it was never diagnosed	143	9.4%
	4	No, never had a concussion from sports as a kid.	555	36.5%
	5	Did not play sports	696	45.7%

Universe - If 'Yes' at Q2

Q3b

		Value	Count	Percent
Standard Attributes	Position Label	25 Was an adult aware of injury		
Valid Values	1	Yes, aware	150	9.9%
	2	No, not aware	121	8.0%
Missing Values	System		1251	82.2%

Universe - If 'Yes' or 'think so' at Q3a

Q3c

		Value	Count	Percent
Standard Attributes	Position Label	26 See a doctor for concussion		
Valid Values	1	Yes	83	5.5%
	2	No	188	12.4%
Missing Values	System		1251	82.2%

Universe - If 'Yes' or 'think so' at Q3a

Q3d

		Value	Count	Percent
Standard Attributes	Position Label	27 How long symptoms last		
Valid Values	1	A short time (hours or a day or so)	133	8.7%
	2	A week or so	63	4.1%
	3	A month or so	19	1.2%
	4	A few months	14	.9%
	5	Less than a year	2	.1%
	6	More than a year	2	.1%
	7	Several years	1	.1%
	8	I still feel them today	8	.5%
	9	Really Not Sure/Don't Know	29	1.9%
Missing Values	System		1251	82.2%

Universe - If 'Yes' or 'think so' at Q3a

Q3e

		Value	Count	Percent
Standard Attributes	Position Label	28 Impact of injury on sport playing		
Valid Values	1	No impact - kept playing	130	8.5%
	2	Sat out a few days	92	6.0%
	3	Sat out a few weeks	28	1.8%
	4	Sat out the season	3	.2%
	5	Sat out longer	1	.1%
	6	I never played that sport again	17	1.1%
Missing Values	System		1251	82.2%

Universe - If 'Yes' or 'think so' at Q3a

Q3F_0

		Value	Count	Percent
Standard Attributes	Position Label	29 Overall effets: Missed school		
Valid Values	0	Not Selected	231	15.2%
	1	Selected	40	2.6%
Missing Values	System		1251	82.2%

Universe - If 'Yes' or 'think so' at Q3a

Q3F_1

		Value	Count	Percent
Standard Attributes	Position Label	30 Overall effets: School marks suffered		
Valid Values	0	Not Selected	254	16.7%
	1	Selected	17	1.1%
Missing Values	System		1251	82.2%

Universe - If 'Yes' or 'think so' at Q3a

Q3F_2

		Value	Count	Percent
Standard Attributes	Position Label	31 Overall effets: Physical effects		
Valid Values	0	Not Selected	181	11.9%
	1	Selected	90	5.9%
Missing Values	System		1251	82.2%

Universe - If 'Yes' or 'think so' at Q3a

Q3F_3

		Value	Count	Percent
Standard Position		32		
Attributes Label		Overall effets: Problems with memory and learning		
Valid 0		Not Selected	240	15.8%
Values 1		Selected	31	2.0%
Missing System			1251	82.2%
Values				

Universe - If 'Yes' or 'think so' at Q3a

Q3F_4

		Value	Count	Percent
Standard Position		33		
Attributes Label		Overall effets: Impact on social life		
Valid 0		Not Selected	256	16.8%
Values 1		Selected	15	1.0%
Missing System			1251	82.2%
Values				

Universe - If 'Yes' or 'think so' at Q3a

Q3F_5

		Value	Count	Percent
Standard Position		34		
Attributes Label		Overall effets: Changed my mood		
Valid 0		Not Selected	237	15.6%
Values 1		Selected	34	2.2%
Missing System			1251	82.2%
Values				

Universe - If 'Yes' or 'think so' at Q3a

Q3F_6

		Value	Count	Percent
Standard Position		35		
Attributes Label		Overall effets: Made me scared/wary of playing sports		
Valid 0		Not Selected	230	15.1%
Values 1		Selected	41	2.7%
Missing System			1251	82.2%
Values				

Universe - If 'Yes' or 'think so' at Q3a

Q3F_7

		Value	Count	Percent
Standard Attributes	Position Label	36 Overall effets: No effects		
Valid Values	0	Not Selected	145	9.5%
Missing Values	1	Selected	126	8.3%
	System		1251	82.2%

Universe - If 'Yes' or 'think so' at Q3a

Q4a

		Value	Count	Percent
Standard Attributes	Position Label	37 Particiapte in organized sports as adult		
Valid Values	1	No, have not played organized sports as an adult	925	60.8%
	2	Yes, did so - more than 10 years ago	312	20.5%
	3	Yes, did so - within the past 10 years	156	10.2%
	4	Yes, currently play organized sports	129	8.5%

Universe - All respondents

Q4b

		Value	Count	Percent
Standard Attributes	Position Label	38 Experience concussion playing organized sport as adult		
Valid Values	1	Yes, once	49	3.2%
	2	Yes, more than once	17	1.1%
	3	I think so, but it was never diagnosed	30	2.0%
	4	No, never had a concussion playing sports as an adult	501	32.9%
	5		925	60.8%

Universe - If 'Yes' at 4a

Q4c

		Value	Count	Percent
Standard Attributes	Position Label	39 See doctor a for concussion		
Valid Values	1	Yes	46	3.0%
Missing Values	2	No	50	3.3%
	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4d

		Value	Count	Percent
Standard Attributes	Position Label	40 How long symptoms last		
Valid Values	1	A short time (hours or a day or so)	27	1.8%
	2	A week or so	31	2.0%
	3	A month or so	9	.6%
	4	A few months	7	.5%
	5	Less than a year	5	.3%
	6	More than a year	6	.4%
	7	Several years	2	.1%
	8	I still feel them today	5	.3%
	9	Really Not Sure/Don't Know	4	.3%
Missing Values	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4e

		Value	Count	Percent
Standard Attributes	Position Label	41 Impact of injury on sport playing		
Valid Values	1	No impact - kept playing	28	1.8%
	2	Sat out a few days	25	1.6%
	3	Sat out a few weeks	20	1.3%
	4	Sat out the season	10	.7%
	5	Sat out longer	4	.3%
	6	I never played that sport again	9	.6%
Missing Values	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4F_0

		Value	Count	Percent
Standard Attributes	Position Label	42 Overall effets: Missed school or work		
Valid Values	0	Not Selected	75	4.9%
	1	Selected	21	1.4%
Missing Values	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4F_1

		Value	Count	Percent
Standard Attributes	Position Label	43 Overall effets: School or work performance suffered		
Valid Values	0	Not Selected	78	5.1%
Missing Values	1	Selected	18	1.2%
	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4F_2

		Value	Count	Percent
Standard Attributes	Position Label	44 Overall effets: Physical effects		
Valid Values	0	Not Selected	54	3.5%
Missing Values	1	Selected	42	2.8%
	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4F_3

		Value	Count	Percent
Standard Attributes	Position Label	45 Overall effets: Problems with memory and learning		
Valid Values	0	Not Selected	77	5.1%
Missing Values	1	Selected	19	1.2%
	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4F_4

		Value	Count	Percent
Standard Attributes	Position Label	46 Overall effets: Impact on social life		
Valid Values	0	Not Selected	83	5.5%
Missing Values	1	Selected	13	.9%
	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4F_5

		Value	Count	Percent
Standard Attributes	Position Label	47 Overall effets: Changed my mood		
Valid Values	0	Not Selected	77	5.1%
	1	Selected	19	1.2%
Missing Values	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4F_6

		Value	Count	Percent
Standard Attributes	Position Label	48 Overall effets: Made me scared/wary of playing sports		
Valid Values	0	Not Selected	83	5.5%
	1	Selected	13	.9%
Missing Values	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q4F_7

		Value	Count	Percent
Standard Attributes	Position Label	49 Overall effets: No effects		
Valid Values	0	Not Selected	66	4.3%
	1	Selected	30	2.0%
Missing Values	System		1426	93.7%

Universe - If 'Yes' or 'think so' at Q4b

Q5a

		Value	Count	Percent
Standard Attributes	Position Label	50 Child experience concussion playing organized sports		
Valid Values	1	Yes, currently have one or more kids playing organized sports	176	11.6%
	2	Yes, did have kids playing, but no longer playing or grown up now	502	33.0%
	3	No, no kids or none playing/played organized sports	844	55.5%

Universe - All respondents

Q5b

		Value	Count	Percent
Standard Attributes	Position Label	51 Child see doctor for concussion		
Valid Values	1	Yes, once	63	4.1%
	2	Yes, more than once	31	2.0%
	3	I think so, but it was never diagnosed	39	2.6%
	4	No, never had a concussion	545	35.8%
	5		844	55.5%

Universe - If 'Yes' at Q5a

Q5c

		Value	Count	Percent
Standard Attributes	Position Label	52 Child see doctor for concussion		
Valid Values	1	Yes	82	5.4%
	2	No	51	3.4%
Missing Values	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5d

		Value	Count	Percent
Standard Attributes	Position Label	53 How long symptoms last for child		
Valid Values	1	A short time (hours or a day or so)	57	3.7%
	2	A week or so	32	2.1%
	3	A month or so	16	1.1%
	4	A few months	3	.2%
	5	Less than a year	2	.1%
	6	More than a year	4	.3%
	7	Several years	1	.1%
	8	They still feel them today	6	.4%
	9	Really Not Sure/Don't Know	12	.8%
Missing Values	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5e

		Value	Count	Percent
Standard Attributes	Position Label	54 Impact of injury on sport playing for child		
Valid Values	1	No impact - kept playing	42	2.8%
	2	Sat out a few days	45	3.0%
	3	Sat out a few weeks	26	1.7%
	4	Sat out the season	7	.5%
	5	Sat out longer	3	.2%
	6	They never played that sport again	10	.7%
Missing Values	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5F_0

		Value	Count	Percent
Standard Attributes	Position Label	55 Overall effets: Missed school		
Valid Values	0	Not Selected	104	6.8%
	1	Selected	29	1.9%
Missing Values	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5F_1

		Value	Count	Percent
Standard Attributes	Position Label	56 Overall effets: School marks suffered		
Valid Values	0	Not Selected	126	8.3%
	1	Selected	7	.5%
Missing Values	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5F_2

		Value	Count	Percent
Standard Attributes	Position Label	57 Overall effets: Physical effects		
Valid Values	0	Not Selected	92	6.0%
	1	Selected	41	2.7%
Missing Values	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5F_3

		Value	Count	Percent
Standard Attributes	Position Label	58 Overall effets: Problems with memory and learning		
Valid Values	0	Not Selected	120	7.9%
Missing Values	1	Selected	13	.9%
	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5F_4

		Value	Count	Percent
Standard Attributes	Position Label	59 Overall effets: Impact on social life		
Valid Values	0	Not Selected	124	8.1%
Missing Values	1	Selected	9	.6%
	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5F_5

		Value	Count	Percent
Standard Attributes	Position Label	60 Overall effets: Changed my mood		
Valid Values	0	Not Selected	119	7.8%
Missing Values	1	Selected	14	.9%
	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5F_6

		Value	Count	Percent
Standard Attributes	Position Label	61 Overall effets: Made me scared/wary of playing sports		
Valid Values	0	Not Selected	126	8.3%
Missing Values	1	Selected	7	.5%
	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q5F_7

		Value	Count	Percent
Standard Attributes	Position Label	62 Overall effets: No effects		
Valid Values	0	Not Selected	66	4.3%
Missing Values	1	Selected	67	4.4%
	System		1389	91.3%

Universe - If 'Yes' or 'think so' at Q5b

Q6_0

		Value	Count	Percent
Standard Attributes	Position Label	63 Agree/disagree: Coach/trainer can handle situation		
Valid Values	1	Strongly disagree	54	3.5%
	2	Moderately disagree	243	16.0%
	3	Moderately agree	496	32.6%
	4	Strongly agree	151	9.9%
	5	Not sure	578	38.0%

Universe - All respondents

Q6_1

		Value	Count	Percent
Standard Attributes	Position Label	64 Agree/disagree: Schools have good plan to prevent concussions		
Valid Values	1	Strongly disagree	67	4.4%
	2	Moderately disagree	209	13.7%
	3	Moderately agree	394	25.9%
	4	Strongly agree	112	7.4%
	5	Not sure	740	48.6%

Universe - All respondents

Q6_2

		Value	Count	Percent
Standard Attributes	Position Label	65 Agree/disagree: Youth leagues have plan to prevent concussions		
Valid Values	1	Strongly disagree	56	3.7%
	2	Moderately disagree	187	12.3%
	3	Moderately agree	444	29.2%
	4	Strongly agree	128	8.4%
	5	Not sure	707	46.5%

Universe - All respondents

Q6_3

		Value	Count	Percent
Standard Attributes	Position Label	66 Agree/disagree: Concussions are happening more frequently		
Valid Values	1	Strongly disagree	88	5.8%
	2	Moderately disagree	262	17.2%
	3	Moderately agree	418	27.5%
	4	Strongly agree	313	20.6%
	5	Not sure	441	29.0%

Universe - All respondents

Q6_4

		Value	Count	Percent
Standard Attributes	Position Label	67 Agree/disagree: Parents allows child to play sport too soon after concussion		
Valid Values	1	Strongly disagree	58	3.8%
	2	Moderately disagree	221	14.5%
	3	Moderately agree	574	37.7%
	4	Strongly agree	302	19.8%
	5	Not sure	367	24.1%

Universe - All respondents

Q6_5

		Value	Count	Percent
Standard Attributes	Position Label	68 Agree/disagree: Coaches allow children to play sport too soon after concussion		
Valid Values	1	Strongly disagree	47	3.1%
	2	Moderately disagree	213	14.0%
	3	Moderately agree	551	36.2%
	4	Strongly agree	320	21.0%
	5	Not sure	391	25.7%

Universe - All respondents

Q6_6

		Value	Count	Percent
Standard Attributes	Position Label	69 Agree/disagree: Benefits of organized sports outweigh risks		
Valid Values	1	Strongly disagree	144	9.5%
	2	Moderately disagree	230	15.1%
	3	Moderately agree	573	37.6%
	4	Strongly agree	424	27.9%
	5	Not sure	151	9.9%

Universe - All respondents

Q7_Soccer

		Value	Count	Percent
Standard Attributes	Position Label	70 Sports with risk of concussions: Soccer		
Valid Values	0	Not Selected	1304	85.7%
	1	Selected	218	14.3%

Universe - All respondents

Q7_Hockey

		Value	Count	Percent
Standard Attributes	Position Label	71 Sports with risk of concussions: Hockey		
Valid Values	0	Not Selected	283	18.6%
	1	Selected	1239	81.4%

Universe - All respondents

Q7_Basketball

		Value	Count	Percent
Standard Position		72		
Attributes Label		Sports with risk of concussions: Basketball		
Valid 0		Not Selected	1487	97.7%
Values 1		Selected	35	2.3%

Universe - All respondents

Q7_BaseballSoftball

		Value	Count	Percent
Standard Position		73		
Attributes Label		Sports with risk of concussions: Baseball/softball		
Valid 0		Not Selected	1451	95.3%
Values 1		Selected	71	4.7%

Universe - All respondents

Q7_Gymnastics

		Value	Count	Percent
Standard Position		74		
Attributes Label		Sports with risk of concussions: Gymnastics		
Valid 0		Not Selected	1450	95.3%
Values 1		Selected	72	4.7%

Universe - All respondents

Q7_FigureSkating

		Value	Count	Percent
Standard Position		75		
Attributes Label		Sports with risk of concussions: Figure skating		
Valid 0		Not Selected	1414	92.9%
Values 1		Selected	108	7.1%

Universe - All respondents

Q7_Rugby

		Value	Count	Percent
Standard Position		76		
Attributes Label		Sports with risk of concussions: Rugby		
Valid 0		Not Selected	809	53.2%
Values 1		Selected	713	46.8%

Universe - All respondents

Q7_Football

		Value	Count	Percent
Standard Attributes	Position Label	77 Sports with risk of concussions: Football		
Valid Values	0	Not Selected	321	21.1%
	1	Selected	1201	78.9%

Universe - All respondents

Q7_Tennis

		Value	Count	Percent
Standard Attributes	Position Label	78 Sports with risk of concussions: Tennis		
Valid Values	0	Not Selected	1518	99.7%
	1	Selected	4	.3%

Universe - All respondents

Q7_MartialArts

		Value	Count	Percent
Standard Attributes	Position Label	79 Sports with risk of concussions: Martial arts		
Valid Values	0	Not Selected	1369	89.9%
	1	Selected	153	10.1%

Universe - All respondents

Q7_FieldHockey

		Value	Count	Percent
Standard Attributes	Position Label	80 Sports with risk of concussions: Field hockey		
Valid Values	0	Not Selected	1454	95.5%
	1	Selected	68	4.5%

Universe - All respondents

Q7_Lacrosse

		Value	Count	Percent
Standard Attributes	Position Label	81 Sports with risk of concussions: Lacrosse		
Valid Values	0	Not Selected	1391	91.4%
	1	Selected	131	8.6%

Universe - All respondents

Q7_None

		Value	Count	Percent
Standard Attributes	Position Label	82 Sports with risk of concussions: None/not concerned		
Valid Values	0	Not Selected	1419	93.2%
	1	Selected	103	6.8%

Universe - All respondents

Q8

		Value	Count	Percent
Standard Attributes	Position Label	83 Role of government in youth sports		
Valid Values	1	Provincial governments need to step in with laws/regulations to better protect young athletes from concussions	990	65.0%
	2	There's no need for government oversight; coaches and parents are doing well enough protecting young athletes from concu	532	35.0%

Universe - All respondents

Q9_0

		Value	Count	Percent
Standard Attributes	Position Label	84 Support/oppose proposal: Certified trainer required for every organized game		
Valid Values	1	Strongly oppose	119	7.8%
	2	Moderately oppose	301	19.8%
	3	Moderately support	631	41.5%
	4	Strongly support	471	30.9%

Universe - All respondents

Q9_1

		Value	Count	Percent
Standard Attributes	Position Label	85 Support/oppose proposal: young athletes follow 'Return to Play' policy		
Valid Values	1	Strongly oppose	32	2.1%
	2	Moderately oppose	76	5.0%
	3	Moderately support	485	31.9%
	4	Strongly support	929	61.0%

Universe - All respondents

Q9_2

		Value	Count	Percent
Standard Attributes	Position Label	86 Support/oppose proposal: Doctor's note before returning		
Valid Values	1	Strongly oppose	33	2.2%
	2	Moderately oppose	82	5.4%
	3	Moderately support	411	27.0%
	4	Strongly support	996	65.4%

Universe - All respondents

Q9_3

		Value	Count	Percent
Standard Attributes	Position Label	87 Support/oppose proposal: Educate coaches on risk of concussion		
Valid Values	1	Strongly oppose	30	2.0%
	2	Moderately oppose	43	2.8%
	3	Moderately support	315	20.7%
	4	Strongly support	1134	74.5%

Universe - All respondents

Q9_4

		Value	Count	Percent
Standard Attributes	Position Label	88 Support/oppose proposal: Children under 14 not allowed to play contact sports		
Valid Values	1	Strongly oppose	342	22.5%
	2	Moderately oppose	506	33.2%
	3	Moderately support	412	27.1%
	4	Strongly support	262	17.2%

Universe - All respondents

Q10

		Value	Count	Percent
Standard Attributes	Position Label	89 Cost for certified trainer: who is responsible		
Valid Values	1	Parents/player fees	315	20.7%
	2	The organization (school, youth sports league etc.)	689	45.3%
	3	The government	239	15.7%
	4	Don't know/Can't say	279	18.3%

Universe - All respondents

Race

		Value	Count	Percent
Standard Attributes	Position Label	90 ARF - Race		
Valid Values	1	Caucasian	1337	87.8%
	2	Asian	71	4.7%
	3	Other Visible Minority	113	7.4%
Missing Values	System		1	.1%

Age

		Value	Count	Percent
Standard Attributes	Position Label	91 ARF - Age (3 groups)		
Valid Values	1	18-34	292	19.2%
	2	35-54	634	41.7%
	3	55+	596	39.2%

age_gender

		Value	Count	Percent
Standard Attributes	Position Label	92 ARF - Age/Gender		
Valid Values	1	Male 18-34	126	8.3%
	2	Male 35-54	316	20.8%
	3	Male 55+	296	19.4%
	4	Female 18-34	166	10.9%
	5	Female 35-54	318	20.9%
	6	Female 55+	300	19.7%

lang

		Value	Count	Percent
Standard Attributes	Position Label	93 ARF - Language		
Valid Values	1	English	1228	80.7%
	2	French	294	19.3%

edu

		Value	Count	Percent
Standard Attributes	Position Label	94 ARF - Education		
Valid Values	1	HS or less	650	42.7%
	2	College/ Tech school	464	30.5%
	3	Univ+	408	26.8%

income

		Value	Count	Percent
Standard Attributes	Position Label	95 ARF - Income		
Valid Values	1	<\$50K	527	34.6%
	2	\$50-99K	485	31.9%
	3	\$100K+	257	16.9%
	4	DK/REF	253	16.6%

region

		Value	Count	Percent
Standard Attributes	Position Label	96 ARF - Region (Manitoba/Saskatchewan grouped; Atlantic provinces grouped)		
Valid Values	1	BC	202	13.3%
	2	AB	152	10.0%
	3	MB/SK	208	13.7%
	4	ON	505	33.2%
	5	QC	353	23.2%
	6	ATL	102	6.7%

region7

		Value	Count	Percent
Standard Attributes	Position Label	97 ARF - Region (Atlantic provinces grouped)		
Valid Values	1	BC	202	13.3%
	2	AB	152	10.0%
	3	SK	103	6.8%
	4	MB	105	6.9%
	5	ON	505	33.2%
	6	QC	353	23.2%
	7	ATL	102	6.7%

OntReg

		Value	Count	Percent
Standard Attributes	Position Label	98 ARF - Ontario Region		
Valid Values	1	416 - includes Don, Downtown East, Downtown West, Etobicke, Scarborough, York	90	5.9%
	2	905 - includes Brampton, East, Halton, Mississauga, York, North	108	7.1%
	3	Hamilton-Niagara	47	3.1%
	4	Southwest	119	7.8%
	5	East	109	7.2%
	6	North	32	2.1%
Missing Values	System		1017	66.8%

CITATION

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