



## 1982/83 – 2019/20 ALL SPORT REPORT – TABLE APPENDIX

### Contents

HIGH SCHOOL TRAUMATIC INJURY (DIRECT) – TABLES I TO II .....	2
HIGH SCHOOL EXERTIONAL/MEDICAL INDIRECT – TABLES III TO IV .....	20
COLLEGE LEVEL TRAUMATIC INJURY (DIRECT) – TABLES V TO VI .....	35
COLLEGE LEVEL EXERTIONAL/MEDICAL (INDIRECT) – TABLES VII TO VIII .....	46
SPORT PARTICIPATION – TABLE IX .....	57

### Notes:

*If there were no events in the sport for a particular year, the year is excluded from the frequency Table.*

*Rates with number of incidents less than 5 should be interpreted with caution.*

**All rights reserved. This material may not be published, broadcast, rewritten or redistributed in whole or part without express written permission. Contact the National Center for Catastrophic Sport Injury Research for all questions regarding this report at [nccsir@unc.edu](mailto:nccsir@unc.edu).**

## HIGH SCHOOL TRAUMATIC INJURY (DIRECT) – TABLES I TO II

Table I: Baseball high school direct injuries
---

	<b>Male</b>				<b>All</b>
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>Unknown</b>	
<b>1982-1983</b>	0	1	1	0	2
<b>1983-1984</b>	2	0	0	0	2
<b>1985-1986</b>	0	1	3	0	4
<b>1987-1988</b>	0	1	0	0	1
<b>1988-1989</b>	0	1	2	0	3
<b>1989-1990</b>	0	2	0	0	2
<b>1990-1991</b>	1	0	0	0	1
<b>1992-1993</b>	0	0	2	0	2
<b>1994-1995</b>	0	2	0	0	2
<b>1996-1997</b>	2	1	1	1	5
<b>1997-1998</b>	1	2	1	0	4
<b>1998-1999</b>	0	2	3	0	5
<b>1999-2000</b>	1	0	0	0	1
<b>2000-2001</b>	0	0	2	0	2
<b>2001-2002</b>	0	1	0	0	1
<b>2002-2003</b>	0	0	1	0	1
<b>2003-2004</b>	1	0	0	0	1
<b>2004-2005</b>	1	1	1	1	4
<b>2006-2007</b>	1	0	2	0	3

	Male				All
	Fatal	Non-fatal	Serious	Unknown	
2007-2008	0	0	1	0	1
2008-2009	2	3	1	0	6
2009-2010	1	1	1	0	3
2010-2011	0	0	1	0	1
2011-2012	1	2	2	0	5
2014-2015	1	0	0	0	1
2015-2016	0	0	1	0	1
2017-2018	0	0	2	0	2
2018-2019	0	0	1	0	1
2019-2020	0	0	1	0	1
All	15	21	30	2	68

Table I: Basketball high school direct injuries

	Female			Male				All
	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	Unknown	
1984-1985	1	0	1	0	0	0	0	0
1987-1988	0	0	0	0	0	1	0	1
1988-1989	0	0	0	0	1	1	0	2
1992-1993	0	0	0	0	1	0	0	1
1993-1994	0	0	0	0	0	1	0	1
1996-1997	0	1	1	0	0	0	0	0
1997-1998	0	0	0	0	1	1	0	2

	Female				Male			
	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	Unknown	All
<b>1998-1999</b>	1	0	1	1	0	0	0	1
<b>1999-2000</b>	0	0	0	0	0	1	0	1
<b>2001-2002</b>	0	0	0	0	1	1	0	2
<b>2002-2003</b>	0	1	1	0	0	0	0	0
<b>2003-2004</b>	0	1	1	0	0	0	1	1
<b>2005-2006</b>	0	0	0	0	0	1	0	1
<b>2006-2007</b>	0	0	0	0	0	1	0	1
<b>2008-2009</b>	0	0	0	0	0	1	0	1
<b>2010-2011</b>	1	0	1	0	0	0	0	0
<b>2018-2019</b>	0	0	0	0	0	1	0	1
<b>2019-2020</b>	0	0	0	0	0	1	0	1
<b>All</b>	3	3	6	1	4	11	1	17

Table I: Cheerleading high school direct injuries

	Female				Male			
	Fatal	Non-fatal	Serious	Unknown	All	Non-fatal	Serious	All
<b>1984-1985</b>	0	2	0	0	2	0	0	0
<b>1986-1987</b>	0	1	1	0	2	0	0	0
<b>1987-1988</b>	0	1	1	0	2	0	0	0
<b>1988-1989</b>	0	0	1	0	1	0	0	0
<b>1989-1990</b>	0	1	1	0	2	0	0	0
<b>1990-1991</b>	0	0	1	0	1	0	0	0
<b>1992-1993</b>	0	0	2	0	2	0	0	0
<b>1993-1994</b>	0	1	2	0	3	0	0	0
<b>1994-1995</b>	0	1	1	1	3	0	0	0
<b>1995-1996</b>	0	1	0	0	1	0	0	0
<b>1996-1997</b>	0	0	1	0	1	0	0	0
<b>1998-1999</b>	0	0	4	0	4	0	0	0
<b>1999-2000</b>	0	0	2	0	2	0	0	0
<b>2000-2001</b>	0	0	2	0	2	0	0	0
<b>2001-2002</b>	0	1	4	0	5	1	0	1
<b>2002-2003</b>	0	2	2	0	4	0	0	0
<b>2003-2004</b>	0	1	3	2	6	0	0	0
<b>2004-2005</b>	0	1	3	0	4	0	0	0
<b>2005-2006</b>	1	1	4	1	7	0	1	1
<b>2006-2007</b>	0	0	3	0	3	0	0	0

	Female				Male			
	Fatal	Non-fatal	Serious	Unknown	All	Non-fatal	Serious	All
<b>2007-2008</b>	0	4	0	0	4	0	0	0
<b>2008-2009</b>	0	1	1	0	2	0	0	0
<b>2009-2010</b>	0	3	1	0	4	0	0	0
<b>2010-2011</b>	0	1	1	0	2	0	0	0
<b>2015-2016</b>	0	0	1	0	1	0	0	0
<b>2016-2017</b>	0	0	0	2	2	0	0	0
<b>All</b>	1	23	42	6	72	1	1	2

Table I: Cross Country high school direct injuries

	Female		Male		
	Fatal	All	Fatal	Non-fatal	All
<b>1983-1984</b>	0	0	0	1	1
<b>2011-2012</b>	0	0	0	1	1
<b>2012-2013</b>	0	0	1	0	1
<b>2015-2016</b>	1	1	0	0	0
<b>2017-2018</b>	1	1	0	0	0
<b>All</b>	2	2	1	2	3

Table I: Field Hockey high school direct injuries

	<b>Female</b>		
	<b>Non-fatal</b>	<b>Unknown</b>	<b>All</b>
<b>1996-1997</b>	0	2	2
<b>1998-1999</b>	1	0	1
<b>All</b>	1	2	3

Table I: Football high school direct injuries

	<b>Male</b>				<b>All</b>
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>Unknown</b>	
<b>1982-1983</b>	7	7	10	0	24
<b>1983-1984</b>	4	11	8	0	23
<b>1984-1985</b>	5	9	9	0	23
<b>1985-1986</b>	3	13	11	0	27
<b>1986-1987</b>	11	5	10	1	27
<b>1987-1988</b>	4	20	22	0	46
<b>1988-1989</b>	7	10	11	0	28
<b>1989-1990</b>	4	22	13	0	39
<b>1990-1991</b>	0	11	8	0	19
<b>1991-1992</b>	3	4	12	0	19
<b>1992-1993</b>	2	11	10	0	23
<b>1993-1994</b>	3	11	11	2	27
<b>1994-1995</b>	0	5	11	0	16
<b>1995-1996</b>	3	13	8	1	25
<b>1996-1997</b>	5	11	8	0	24
<b>1997-1998</b>	6	17	8	0	31
<b>1998-1999</b>	5	8	16	1	30
<b>1999-2000</b>	3	12	7	0	22
<b>2000-2001</b>	3	12	8	0	23
<b>2001-2002</b>	7	10	10	1	28



	<b>Male</b>				
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>Unknown</b>	<b>All</b>
<b>2002-2003</b>	3	8	10	1	22
<b>2003-2004</b>	2	19	12	0	33
<b>2004-2005</b>	4	12	4	0	20
<b>2005-2006</b>	2	11	5	0	18
<b>2006-2007</b>	1	19	8	0	28
<b>2007-2008</b>	1	14	21	0	36
<b>2008-2009</b>	8	25	22	0	55
<b>2009-2010</b>	1	17	16	0	34
<b>2010-2011</b>	2	12	15	0	29
<b>2011-2012</b>	3	18	13	0	34
<b>2012-2013</b>	2	5	4	0	11
<b>2013-2014</b>	7	8	11	2	28
<b>2014-2015</b>	5	5	6	1	17
<b>2015-2016</b>	7	8	24	3	42
<b>2016-2017</b>	2	4	11	2	19
<b>2017-2018</b>	2	7	12	4	25
<b>2018-2019</b>	3	5	15	3	26
<b>2019-2020</b>	2	2	10	7	21
<b>All</b>	142	421	430	29	1022

Table I: Golf high school direct injuries

	Male	
	Serious	All
2005-2006	1	1
All	1	1

Table I: Gymnastics high school direct injuries

	Female				Male		
	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	All
1982-1983	0	0	0	0	1	0	1
1983-1984	0	1	1	0	0	0	0
1984-1985	2	1	3	0	0	0	0
1986-1987	1	0	1	0	0	0	0
1987-1988	1	1	2	1	0	0	1
1992-1993	1	0	1	0	0	0	0
1994-1995	1	0	1	0	0	1	1
2000-2001	0	0	0	0	1	0	1
2014-2015	0	1	1	0	0	0	0
2015-2016	1	0	1	0	0	0	0
All	7	4	11	1	2	1	4

Table I: Ice Hockey high school direct injuries

	Female			Male			
	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	All
<b>1982-1983</b>	0	0	0	0	0	1	0
<b>1983-1984</b>	0	0	0	0	1	0	0
<b>1986-1987</b>	0	0	0	0	2	0	0
<b>1987-1988</b>	0	0	0	0	0	1	0
<b>1988-1989</b>	0	0	0	1	0	0	0
<b>1990-1991</b>	0	0	0	0	1	0	0
<b>1991-1992</b>	0	0	0	0	0	1	0
<b>1994-1995</b>	0	0	0	1	1	1	0
<b>1999-2000</b>	0	1	1	0	1	0	0
<b>2001-2002</b>	0	1	1	0	0	0	0
<b>2002-2003</b>	0	0	0	0	0	1	0
<b>2004-2005</b>	0	0	0	0	1	0	0
<b>2005-2006</b>	0	0	0	0	0	1	0
<b>2008-2009</b>	0	0	0	0	2	0	0
<b>2009-2010</b>	0	0	0	0	2	1	0
<b>2010-2011</b>	0	0	0	2	0	1	0
<b>2011-2012</b>	1	0	1	0	1	0	0
<b>2013-2014</b>	0	0	0	0	1	1	0
<b>2014-2015</b>	0	0	0	0	0	1	0
<b>2016-2017</b>	0	0	0	0	1	1	0

	Female				Male			
	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	All	
<b>2017-2018</b>	0	0	0	0	0	1	0	
<b>2019-2020</b>	0	0	0	0	0	0	1	
<b>All</b>	1	2	3	4	14	12	1	

Table I: Lacrosse high school direct injuries

	Female			Male				
	Serious	Unknown	All	Fatal	Non-fatal	Serious	Unknown	All
<b>1986-1987</b>	0	0	0	1	0	0	0	1
<b>1996-1997</b>	0	0	0	0	1	0	0	1
<b>1999-2000</b>	0	0	0	1	0	0	1	2
<b>2000-2001</b>	0	0	0	0	1	0	0	1
<b>2001-2002</b>	0	0	0	0	1	0	0	1
<b>2002-2003</b>	0	0	0	0	1	0	0	1
<b>2003-2004</b>	1	0	1	0	0	0	0	0
<b>2006-2007</b>	0	0	0	0	0	2	0	2
<b>2007-2008</b>	0	0	0	0	0	4	0	4
<b>2008-2009</b>	0	0	0	0	0	1	0	1
<b>2009-2010</b>	1	0	1	0	0	0	0	0
<b>2010-2011</b>	0	0	0	0	1	1	0	2
<b>2012-2013</b>	0	0	0	0	0	0	1	1
<b>2014-2015</b>	0	1	1	0	1	0	0	1
<b>2015-2016</b>	0	0	0	0	0	1	0	1
<b>2017-2018</b>	0	0	0	0	0	1	0	1
<b>2018-2019</b>	0	0	0	0	1	1	0	2
<b>All</b>	2	1	3	2	7	11	2	22

Table I: Skiing high school direct injuries

Female		
	Fatal	All
1995-1996	1	1
All	1	1

Table I: Soccer high school direct injuries

	Female				Male				
	Fatal	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	Unknown	All
1982-1983	0	0	0	0	0	0	1	0	1
1983-1984	0	0	0	0	1	0	0	0	1
1984-1985	0	0	0	0	0	0	1	0	1
1990-1991	0	0	0	0	1	0	0	0	1
1991-1992	0	0	0	0	0	0	1	0	1
1992-1993	0	0	0	0	2	0	0	0	2
1994-1995	0	0	0	0	0	1	0	0	1
1995-1996	0	0	0	0	0	0	0	1	1
1996-1997	0	0	0	0	0	0	1	0	1
1998-1999	0	0	0	0	1	0	0	0	1
1999-2000	0	0	0	0	0	1	0	0	1
2000-2001	1	0	0	1	0	0	0	0	0
2003-2004	0	1	0	1	0	0	0	0	0
2005-2006	0	0	0	0	1	0	0	0	1
2006-2007	0	0	0	0	0	0	1	0	1
2007-2008	0	0	1	1	0	0	0	0	0
2008-2009	0	0	0	0	0	0	1	0	1
2009-2010	0	0	1	1	0	0	0	0	0
2010-2011	0	0	0	0	1	0	0	0	1
2011-2012	0	0	2	2	0	0	0	0	0

	Female				Male				
	Fatal	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	Unknown	All
2013-2014	1	0	0	1	0	0	0	0	0
2014-2015	0	0	1	1	0	0	0	0	0
2016-2017	0	0	0	0	0	0	1	0	1
2018-2019	0	0	1	1	0	0	0	0	0
All	2	1	6	9	7	2	7	1	17

Table I: Softball high school direct injuries

	Female		
	Non-fatal	Serious	All
1993-1994	0	3	3
1994-1995	1	0	1
2006-2007	0	1	1
2008-2009	0	1	1
2009-2010	0	1	1
All	1	6	7

Table I: Swimming high school direct injuries

	Female			Male			
	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	All
1982-1983	0	0	0	0	0	2	2
1986-1987	0	0	0	0	0	1	1
1987-1988	1	0	1	0	1	0	1
1988-1989	1	0	1	0	3	0	3
1989-1990	1	0	1	0	0	0	0
1994-1995	1	0	1	0	0	0	0
1996-1997	1	0	1	0	0	0	0

	Female			Male			
	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	All
<b>1997-1998</b>	0	0	0	0	1	0	1
<b>1998-1999</b>	0	0	0	1	0	0	1
<b>2001-2002</b>	0	1	1	0	0	0	0
<b>2015-2016</b>	0	0	0	0	1	0	1
<b>All</b>	5	1	6	1	6	3	10

Table I: Track and Field high school direct injuries

	Female				Male				
	Fatal	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	Unknown	All
<b>1982-1983</b>	0	0	0	0	3	0	0	0	3
<b>1983-1984</b>	0	0	0	0	0	1	0	0	1
<b>1984-1985</b>	0	0	0	0	1	0	0	0	1
<b>1985-1986</b>	0	0	0	0	0	1	0	0	1
<b>1986-1987</b>	0	0	0	0	1	0	0	1	2
<b>1987-1988</b>	0	0	0	0	0	0	1	0	1
<b>1989-1990</b>	0	0	0	0	1	1	1	0	3
<b>1990-1991</b>	0	0	0	0	2	1	1	0	4
<b>1991-1992</b>	1	0	0	1	0	2	0	0	2
<b>1992-1993</b>	0	0	0	0	0	1	2	0	3
<b>1993-1994</b>	0	0	0	0	2	2	0	0	4
<b>1994-1995</b>	0	0	0	0	1	0	0	0	1
<b>1996-1997</b>	0	0	1	1	3	1	1	0	5
<b>1997-1998</b>	0	0	1	1	1	0	1	0	2
<b>1998-1999</b>	0	0	1	1	0	0	1	0	1
<b>1999-2000</b>	0	0	0	0	2	0	0	0	2
<b>2000-2001</b>	0	0	0	0	0	0	1	0	1
<b>2001-2002</b>	0	1	1	2	2	3	1	1	7
<b>2003-2004</b>	0	0	0	0	0	1	0	0	1



	Female				Male				
	Fatal	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	Unknown	All
<b>2004-2005</b>	0	0	0	0	0	1	1	0	2
<b>2005-2006</b>	0	0	0	0	0	1	1	0	2
<b>2006-2007</b>	0	0	1	1	0	0	0	0	0
<b>2007-2008</b>	0	0	0	0	1	1	0	0	2
<b>2008-2009</b>	0	1	1	2	0	0	0	0	0
<b>2012-2013</b>	0	0	0	0	1	0	0	0	1
<b>2014-2015</b>	0	0	0	0	0	0	1	0	1
<b>2015-2016</b>	0	0	0	0	0	0	2	0	2
<b>2016-2017</b>	0	0	1	1	0	0	0	0	0
<b>2018-2019</b>	0	0	0	0	0	0	2	1	3
<b>2019-2020</b>	2	0	0	2	2	0	0	1	3
<b>All</b>	3	2	7	12	23	17	17	4	61

Table I: Volleyball high school direct injuries

	Male	
	Non-fatal	All
<b>1994-1995</b>	1	1
<b>All</b>	1	1

Table I: Wrestling high school direct injuries

	Male				
	Fatal	Non-fatal	Serious	Unknown	All
<b>1982-1983</b>	0	1	0	0	1
<b>1983-1984</b>	1	1	2	0	4
<b>1984-1985</b>	0	1	1	0	2
<b>1985-1986</b>	0	0	2	0	2

	<b>Male</b>				
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>Unknown</b>	<b>All</b>
<b>1986-1987</b>	0	4	0	0	4
<b>1987-1988</b>	0	1	1	0	2
<b>1988-1989</b>	0	3	2	0	5
<b>1990-1991</b>	0	2	0	0	2
<b>1991-1992</b>	0	3	1	0	4
<b>1993-1994</b>	0	2	1	0	3
<b>1994-1995</b>	0	1	0	0	1
<b>1995-1996</b>	0	0	1	0	1
<b>1996-1997</b>	0	1	1	0	2
<b>1997-1998</b>	0	2	0	1	3
<b>1998-1999</b>	0	1	2	0	3
<b>1999-2000</b>	0	2	1	0	3
<b>2000-2001</b>	0	1	0	0	1
<b>2001-2002</b>	0	2	2	0	4
<b>2002-2003</b>	0	2	0	0	2
<b>2003-2004</b>	0	2	1	0	3
<b>2005-2006</b>	1	0	0	0	1
<b>2006-2007</b>	0	3	1	0	4
<b>2007-2008</b>	0	0	1	0	1
<b>2008-2009</b>	0	0	1	0	1
<b>2010-2011</b>	1	2	0	0	3
<b>2011-2012</b>	0	1	1	0	2
<b>2013-2014</b>	0	0	1	0	1
<b>2016-2017</b>	0	0	1	0	1
<b>2017-2018</b>	0	1	0	0	1
<b>All</b>	<b>3</b>	<b>39</b>	<b>24</b>	<b>1</b>	<b>67</b>

TABLE II  
HIGH SCHOOL SPORTS  
DIRECT INJURIES PER 100,000 PARTICIPANTS  
1982-1983 – 2019-2020

		Fatal		Non-fatal		Serious	
		N	Rate per 100,000	N	Rate per 100,000	N	Rate per 100,000
<b>Baseball</b>	<b>Male</b>	15	0.09	21	0.12	30	0.18
<b>Basketball</b>	<b>Female</b>	0	0	3	0.02	3	0.02
	<b>Male</b>	1	0.00	4	0.02	11	0.05
<b>Cheerleading</b>	<b>Female</b>	1	0.04	23	0.86	42	1.58
	<b>Male</b>	0	0	1	1.51	1	1.51
<b>Cross Country</b>	<b>Female</b>	2	0.03	0	0	0	0
	<b>Male</b>	1	0.01	2	0.03	0	0
<b>Field Hockey</b>	<b>Female</b>	0	0	1	0.05	0	0
<b>Football</b>	<b>Male</b>	142	0.37	421	1.10	430	1.13
<b>Golf</b>	<b>Male</b>	0	0	0	0	1	0.02
<b>Gymnastics</b>	<b>Female</b>	0	0	7	0.81	4	0.46
	<b>Male</b>	1	0.82	2	1.63	1	0.82
<b>Ice Hockey</b>	<b>Female</b>	0	0	1	0.55	2	1.09
	<b>Male</b>	4	0.35	14	1.22	12	1.04
<b>Lacrosse</b>	<b>Female</b>	0	0	0	0	2	0.13
	<b>Male</b>	2	0.09	7	0.33	11	0.52
<b>Skiing</b>	<b>Female</b>	1	0.32	0	0	0	0
<b>Soccer</b>	<b>Female</b>	2	0.02	1	0.01	6	0.06
	<b>Male</b>	7	0.06	2	0.02	7	0.06
<b>Softball</b>	<b>Female</b>	0	0	1	0.01	6	0.05
<b>Swimming</b>	<b>Female</b>	0	0	5	0.10	1	0.02
	<b>Male</b>	1	0.03	6	0.15	3	0.08
<b>Track and Field</b>	<b>Female</b>	3	0.02	2	0.01	7	0.04
	<b>Male</b>	23	0.11	17	0.08	17	0.08
<b>Volleyball</b>	<b>Male</b>	0	0	1	0.07	0	0
<b>Wrestling</b>	<b>Male</b>	3	0.03	39	0.42	24	0.26

Note: Rates with number of incidents less than 5 should be interpreted with caution.

## HIGH SCHOOL EXERTIONAL/MEDICAL INDIRECT – TABLES III TO IV

Table III: Baseball high school indirect injuries
---

	<b>Male</b>		
	<b>Fatal</b>	<b>Serious</b>	<b>All</b>
<b>1984-1985</b>	2	0	2
<b>1989-1990</b>	1	0	1
<b>1990-1991</b>	1	0	1
<b>1994-1995</b>	2	0	2
<b>1996-1997</b>	1	0	1
<b>1999-2000</b>	2	0	2
<b>2002-2003</b>	1	0	1
<b>2004-2005</b>	3	0	3
<b>2008-2009</b>	1	0	1
<b>2009-2010</b>	1	1	2
<b>2011-2012</b>	1	0	1
<b>2012-2013</b>	1	0	1
<b>2013-2014</b>	1	1	2
<b>2014-2015</b>	0	2	2
<b>2015-2016</b>	1	0	1
<b>2016-2017</b>	1	1	2
<b>2018-2019</b>	0	1	1
<b>2019-2020</b>	0	1	1
<b>All</b>	20	7	27

Table III: Basketball high school indirect injuries

	Female			Male			
	Fatal	Serious	All	Fatal	Serious	Unknown	All
<b>1982-1983</b>	0	0	0	3	0	0	3
<b>1983-1984</b>	1	0	1	3	0	0	3
<b>1984-1985</b>	0	0	0	2	0	0	2
<b>1985-1986</b>	0	0	0	1	0	0	1
<b>1986-1987</b>	0	0	0	3	0	0	3
<b>1987-1988</b>	0	0	0	4	0	0	4
<b>1988-1989</b>	0	0	0	2	0	0	2
<b>1989-1990</b>	2	0	2	2	0	0	2
<b>1990-1991</b>	1	0	1	6	0	0	6
<b>1991-1992</b>	0	0	0	5	0	0	5
<b>1992-1993</b>	1	0	1	2	0	0	2
<b>1993-1994</b>	1	0	1	3	0	0	3
<b>1994-1995</b>	1	0	1	2	0	0	2
<b>1995-1996</b>	0	0	0	2	0	0	2
<b>1996-1997</b>	0	0	0	2	0	0	2
<b>1997-1998</b>	1	0	1	6	0	0	6
<b>1998-1999</b>	1	0	1	11	0	0	11
<b>1999-2000</b>	0	0	0	3	0	0	3
<b>2000-2001</b>	1	0	1	2	0	0	2
<b>2001-2002</b>	0	0	0	4	0	1	5
<b>2002-2003</b>	1	0	1	5	0	0	5
<b>2003-2004</b>	0	0	0	6	0	0	6
<b>2004-2005</b>	1	0	1	4	0	0	4
<b>2005-2006</b>	1	0	1	7	0	0	7
<b>2006-2007</b>	0	0	0	3	0	0	3
<b>2007-2008</b>	1	0	1	4	0	0	4
<b>2008-2009</b>	0	0	0	4	0	0	4

	Female			Male			
	Fatal	Serious	All	Fatal	Serious	Unknown	All
<b>2009-2010</b>	0	0	0	4	3	0	7
<b>2010-2011</b>	1	0	1	1	0	0	1
<b>2011-2012</b>	0	0	0	3	0	0	3
<b>2012-2013</b>	0	0	0	3	0	0	3
<b>2013-2014</b>	0	1	1	6	4	0	10
<b>2014-2015</b>	0	0	0	4	5	0	9
<b>2015-2016</b>	1	0	1	5	2	0	7
<b>2016-2017</b>	0	1	1	3	6	0	9
<b>2017-2018</b>	0	0	0	2	9	0	11
<b>2018-2019</b>	1	0	1	5	3	0	8
<b>2019-2020</b>	1	0	1	1	5	0	6
<b>All</b>	18	2	20	138	37	1	176

Table III: Cheerleading high school indirect injuries

	Female		
	Fatal	Serious	All
1991-1992	1	0	1
1996-1997	1	0	1
2000-2001	1	0	1
2003-2004	1	0	1
2005-2006	1	0	1
2007-2008	0	1	1
2009-2010	1	0	1
2011-2012	1	0	1
2013-2014	1	0	1
2014-2015	0	1	1
2015-2016	0	1	1
2017-2018	0	1	1
All	8	4	12

Table III: Cross Country high school indirect injuries

	Female			Male			Unknown	
	Fatal	Serious	All	Fatal	Serious	All	Unknown	All
1982-1983	0	0	0	2	0	2	0	0
1983-1984	0	0	0	1	0	1	0	0
1987-1988	0	0	0	1	0	1	0	0
1990-1991	0	0	0	1	0	1	0	0
1992-1993	1	0	1	1	0	1	0	0
1993-1994	0	0	0	1	0	1	0	0
1994-1995	0	0	0	1	0	1	0	0
1995-1996	0	0	0	1	0	1	0	0
1997-1998	0	0	0	1	0	1	0	0
1998-1999	0	0	0	1	0	1	0	0

	Female			Male			Unknown	
	Fatal	Serious	All	Fatal	Serious	All	Unknown	All
<b>1999-2000</b>	0	0	0	1	0	1	0	0
<b>2001-2002</b>	1	0	1	1	0	1	0	0
<b>2002-2003</b>	2	0	2	0	0	0	0	0
<b>2003-2004</b>	0	0	0	1	0	1	0	0
<b>2004-2005</b>	2	0	2	1	0	1	0	0
<b>2006-2007</b>	0	0	0	1	0	1	0	0
<b>2007-2008</b>	2	0	2	0	1	1	0	0
<b>2009-2010</b>	0	0	0	2	0	2	0	0
<b>2010-2011</b>	0	0	0	1	1	2	0	0
<b>2011-2012</b>	0	0	0	1	0	1	0	0
<b>2012-2013</b>	0	1	1	0	0	0	0	0
<b>2013-2014</b>	1	3	4	0	0	0	1	1
<b>2015-2016</b>	1	0	1	0	1	1	0	0
<b>2016-2017</b>	0	0	0	1	0	1	0	0
<b>2017-2018</b>	0	0	0	0	2	2	0	0
<b>2018-2019</b>	1	0	1	0	0	0	0	0
<b>All</b>	11	4	15	21	5	26	1	1

Table III: Field Hockey high school indirect injuries

	Female	
	Fatal	All
<b>2007-2008</b>	1	1
<b>2015-2016</b>	1	1
<b>All</b>	2	2



Table III: Football high school indirect injuries

	Male				All
	Fatal	Non-fatal	Serious	Unknown	
<b>1982-1983</b>	6	0	0	0	6
<b>1983-1984</b>	6	0	0	0	6
<b>1984-1985</b>	3	0	0	0	3
<b>1985-1986</b>	1	0	0	1	2
<b>1986-1987</b>	6	0	1	0	7
<b>1987-1988</b>	4	0	0	0	4
<b>1988-1989</b>	10	0	1	0	11
<b>1989-1990</b>	9	0	1	0	10
<b>1990-1991</b>	4	0	0	0	4
<b>1991-1992</b>	2	0	0	0	2
<b>1992-1993</b>	9	0	0	0	9
<b>1993-1994</b>	6	0	0	0	6
<b>1994-1995</b>	2	0	0	0	2
<b>1995-1996</b>	8	0	0	0	8
<b>1996-1997</b>	8	0	0	0	8
<b>1997-1998</b>	7	0	0	0	7
<b>1998-1999</b>	6	0	0	0	6
<b>1999-2000</b>	13	0	1	0	14
<b>2000-2001</b>	12	0	0	0	12
<b>2001-2002</b>	8	0	0	0	8
<b>2002-2003</b>	6	0	0	0	6
<b>2003-2004</b>	4	0	0	0	4
<b>2004-2005</b>	9	0	1	0	10
<b>2005-2006</b>	4	0	0	0	4
<b>2006-2007</b>	9	0	2	0	11
<b>2007-2008</b>	8	0	0	0	8
<b>2008-2009</b>	6	0	3	0	9
<b>2009-2010</b>	12	0	1	0	13

	<b>Male</b>				<b>All</b>
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>Unknown</b>	
<b>2010-2011</b>	9	0	2	0	11
<b>2011-2012</b>	10	0	0	0	10
<b>2012-2013</b>	8	1	1	0	10
<b>2013-2014</b>	6	0	1	0	7
<b>2014-2015</b>	7	1	11	0	19
<b>2015-2016</b>	5	0	6	1	12
<b>2016-2017</b>	4	0	5	0	9
<b>2017-2018</b>	4	0	4	0	8
<b>2018-2019</b>	5	0	8	0	13
<b>2019-2020</b>	5	1	5	0	11
<b>All</b>	251	3	54	2	310

Table III: Ice Hockey high school indirect injuries

	<b>Male</b>		
	<b>Fatal</b>	<b>Serious</b>	<b>All</b>
<b>1990-1991</b>	1	0	1
<b>1994-1995</b>	1	0	1
<b>1999-2000</b>	1	0	1
<b>2003-2004</b>	1	0	1
<b>2014-2015</b>	0	1	1
<b>2015-2016</b>	0	1	1
<b>2016-2017</b>	1	1	2
<b>All</b>	5	3	8

Table III: Lacrosse high school indirect injuries

	Female		Male		
	Fatal	All	Fatal	Serious	All
<b>1982-1983</b>	0	0	1	0	1
<b>1994-1995</b>	0	0	1	0	1
<b>1995-1996</b>	0	0	1	0	1
<b>1999-2000</b>	0	0	1	1	2
<b>2004-2005</b>	0	0	1	0	1
<b>2006-2007</b>	0	0	3	0	3
<b>2011-2012</b>	0	0	1	0	1
<b>2014-2015</b>	0	0	0	1	1
<b>2016-2017</b>	1	1	0	0	0
<b>2017-2018</b>	0	0	1	0	1
<b>All</b>	1	1	10	2	12

Table III: Rowing high school indirect injuries

	Male	
	Serious	All
<b>2014-2015</b>	1	1
<b>All</b>	1	1

Table III: Soccer high school indirect injuries

	Female			Male				
	Fatal	Serious	All	Fatal	Non-fatal	Serious	Unknown	All
<b>1985-1986</b>	0	0	0	1	0	0	0	1
<b>1986-1987</b>	1	0	1	1	0	0	0	1
<b>1989-1990</b>	0	0	0	1	0	0	0	1
<b>1990-1991</b>	0	0	0	2	0	0	0	2

	Female			Male				All
	Fatal	Serious	All	Fatal	Non-fatal	Serious	Unknown	
<b>1991-1992</b>	0	0	0	1	0	0	0	1
<b>1992-1993</b>	0	0	0	1	0	0	0	1
<b>1993-1994</b>	0	0	0	3	0	0	0	3
<b>1994-1995</b>	0	0	0	1	0	0	0	1
<b>1996-1997</b>	0	0	0	1	0	0	0	1
<b>1997-1998</b>	1	0	1	0	0	0	0	0
<b>1998-1999</b>	1	0	1	1	0	0	0	1
<b>1999-2000</b>	1	0	1	0	0	0	0	0
<b>2000-2001</b>	1	0	1	1	0	0	0	1
<b>2001-2002</b>	1	0	1	2	0	0	0	2
<b>2003-2004</b>	0	0	0	1	0	0	0	1
<b>2004-2005</b>	0	0	0	3	0	0	0	3
<b>2005-2006</b>	0	0	0	2	0	0	0	2
<b>2007-2008</b>	0	0	0	2	0	0	0	2
<b>2008-2009</b>	1	1	2	1	0	0	0	1
<b>2009-2010</b>	0	0	0	0	1	0	0	1
<b>2011-2012</b>	0	0	0	1	0	0	0	1
<b>2013-2014</b>	1	0	1	0	0	1	1	2
<b>2014-2015</b>	0	1	1	1	0	1	0	2
<b>2015-2016</b>	1	0	1	2	0	2	0	4
<b>2016-2017</b>	0	0	0	0	0	1	1	2
<b>2017-2018</b>	2	0	2	1	0	3	0	4
<b>2018-2019</b>	0	1	1	0	0	0	0	0
<b>2019-2020</b>	0	0	0	1	0	0	0	1
<b>All</b>	11	3	14	31	1	8	2	42

Table III: Softball high school indirect injuries

Female		
	Fatal	All
<b>1998-1999</b>	1	1
<b>All</b>	1	1

Table III: Swimming high school indirect injuries

	Female				Male		
	Fatal	Serious	Unknown	All	Fatal	Serious	All
<b>1986-1987</b>	1	0	0	1	0	0	0
<b>1987-1988</b>	1	0	0	1	0	0	0
<b>1988-1989</b>	1	0	0	1	0	0	0
<b>1995-1996</b>	1	0	1	2	0	0	0
<b>2000-2001</b>	1	0	0	1	0	0	0
<b>2002-2003</b>	1	0	0	1	1	0	1
<b>2005-2006</b>	1	0	0	1	0	0	0
<b>2010-2011</b>	0	0	0	0	1	0	1
<b>2012-2013</b>	0	0	0	0	2	0	2
<b>2014-2015</b>	1	0	0	1	0	0	0
<b>2015-2016</b>	0	2	0	2	1	0	1
<b>2016-2017</b>	0	0	0	0	1	0	1
<b>2017-2018</b>	0	0	0	0	1	1	2
<b>2019-2020</b>	1	0	0	1	0	0	0
<b>All</b>	9	2	1	12	7	1	8

Table III: Tennis high school indirect injuries

	Female		Male	
	Fatal	All	Fatal	All
<b>1987-1988</b>	0	0	1	1
<b>1999-2000</b>	0	0	1	1
<b>2000-2001</b>	0	0	1	1
<b>2008-2009</b>	0	0	1	1
<b>2014-2015</b>	1	1	0	0
<b>2016-2017</b>	1	1	0	0
<b>All</b>	2	2	4	4

Table III: Track and Field high school indirect injuries

	Female			Male		
	Fatal	Non-fatal	All	Fatal	Serious	All
<b>1982-1983</b>	0	0	0	3	0	3
<b>1984-1985</b>	0	0	0	2	0	2
<b>1985-1986</b>	0	0	0	1	0	1
<b>1987-1988</b>	0	0	0	1	0	1
<b>1989-1990</b>	1	0	1	3	0	3
<b>1990-1991</b>	1	0	1	1	0	1
<b>1992-1993</b>	1	0	1	2	0	2
<b>1993-1994</b>	0	0	0	1	0	1
<b>1996-1997</b>	0	0	0	1	0	1
<b>1998-1999</b>	1	0	1	0	0	0
<b>1999-2000</b>	0	0	0	2	0	2
<b>2000-2001</b>	0	0	0	3	0	3
<b>2001-2002</b>	0	0	0	1	0	1
<b>2002-2003</b>	0	0	0	1	0	1
<b>2004-2005</b>	1	0	1	1	0	1
<b>2006-2007</b>	0	1	1	3	0	3
<b>2007-2008</b>	0	0	0	2	0	2
<b>2008-2009</b>	0	0	0	1	0	1
<b>2009-2010</b>	0	0	0	2	0	2
<b>2010-2011</b>	2	0	2	1	0	1
<b>2012-2013</b>	0	0	0	1	0	1
<b>2013-2014</b>	0	0	0	1	1	2
<b>2014-2015</b>	0	0	0	3	0	3
<b>2015-2016</b>	0	0	0	1	2	3
<b>2016-2017</b>	0	0	0	0	2	2
<b>2017-2018</b>	0	0	0	0	2	2
<b>2018-2019</b>	0	0	0	0	2	2

	Female			Male		
	Fatal	Non-fatal	All	Fatal	Serious	All
<b>All</b>	7	1	8	38	9	47

Table III: Volleyball high school indirect injuries

	Female		
	Fatal	Serious	All
<b>1993-1994</b>	1	0	1
<b>2005-2006</b>	0	1	1
<b>2015-2016</b>	0	1	1
<b>2019-2020</b>	1	1	2
<b>All</b>	2	3	5

Table III: Water Polo high school indirect injuries

	Female			Male	
	Fatal	Serious	All	Fatal	All
<b>1992-1993</b>	0	0	0	1	1
<b>1995-1996</b>	0	0	0	1	1
<b>1996-1997</b>	0	0	0	1	1
<b>1999-2000</b>	1	0	1	0	0
<b>2018-2019</b>	0	1	1	0	0
<b>All</b>	1	1	2	3	3



Table III: Wrestling high school indirect injuries

	<b>Male</b>			
	<b>Fatal</b>	<b>Serious</b>	<b>Unknown</b>	<b>All</b>
<b>1983-1984</b>	4	0	0	4
<b>1984-1985</b>	2	0	0	2
<b>1985-1986</b>	3	0	0	3
<b>1986-1987</b>	1	0	0	1
<b>1990-1991</b>	1	0	0	1
<b>1993-1994</b>	1	0	0	1
<b>1995-1996</b>	1	0	0	1
<b>2001-2002</b>	1	0	0	1
<b>2003-2004</b>	1	0	0	1
<b>2004-2005</b>	2	0	1	3
<b>2005-2006</b>	1	1	0	2
<b>2007-2008</b>	1	0	0	1
<b>2008-2009</b>	3	0	0	3
<b>2009-2010</b>	1	0	0	1
<b>2010-2011</b>	2	0	0	2
<b>2011-2012</b>	1	0	0	1
<b>2012-2013</b>	2	0	0	2
<b>2013-2014</b>	0	2	0	2
<b>2014-2015</b>	0	1	0	1
<b>2015-2016</b>	1	0	0	1
<b>2016-2017</b>	1	1	0	2
<b>2019-2020</b>	1	3	0	4
<b>All</b>	31	8	1	40

TABLE IV  
HIGH SCHOOL SPORTS  
INDIRECT INJURIES PER 100,000 PARTICIPANTS  
1982-1983 – 2019-2020

		Fatal		Non-fatal		Serious	
		N	Rate per 100,000	N	Rate per 100,000	N	Rate per 100,000
<b>Baseball</b>	<b>Male</b>	20	0.12	0	0	7	0.04
<b>Basketball</b>	<b>Female</b>	18	0.11	0	0	2	0.01
	<b>Male</b>	138	0.68	0	0	37	0.18
<b>Cheerleading</b>	<b>Female</b>	8	0.30	0	0	4	0.15
<b>Cross Country</b>	<b>Female</b>	11	0.18	0	0	4	0.07
	<b>Male</b>	21	0.29	0	0	5	0.07
<b>Field Hockey</b>	<b>Female</b>	2	0.09	0	0	0	0
<b>Football</b>	<b>Male</b>	251	0.66	3	0.01	54	0.14
<b>Ice Hockey</b>	<b>Male</b>	5	0.43	0	0	3	0.26
<b>Lacrosse</b>	<b>Female</b>	1	0.06	0	0	0	0
	<b>Male</b>	10	0.47	0	0	2	0.09
<b>Rowing</b>	<b>Male</b>	0	0	0	0	1	1.63
<b>Soccer</b>	<b>Female</b>	11	0.11	0	0	3	0.03
	<b>Male</b>	31	0.25	1	0.01	8	0.07
<b>Softball</b>	<b>Female</b>	1	0.01	0	0	0	0
<b>Swimming</b>	<b>Female</b>	9	0.18	0	0	2	0.04
	<b>Male</b>	7	0.18	0	0	1	0.03
<b>Tennis</b>	<b>Female</b>	2	0.03	0	0	0	0
	<b>Male</b>	4	0.07	0	0	0	0
<b>Track and Field</b>	<b>Female</b>	7	0.04	1	0.01	0	0
	<b>Male</b>	38	0.18	0	0	9	0.04
<b>Volleyball</b>	<b>Female</b>	2	0.01	0	0	3	0.02
<b>Water Polo</b>	<b>Female</b>	1	0.23	0	0	1	0.23
	<b>Male</b>	3	0.53	0	0	0	0
<b>Wrestling</b>	<b>Male</b>	31	0.33	0	0	8	0.09

Note: Rates with number of incidents less than 5 should be interpreted with caution.

## COLLEGE LEVEL TRAUMATIC INJURY (DIRECT) – TABLES V TO VI

Table V: Baseball college direct injuries
---

	<b>Male</b>				
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>Unknown</b>	<b>All</b>
<b>1985-1986</b>	1	0	0	0	1
<b>1988-1989</b>	0	1	0	0	1
<b>1989-1990</b>	0	0	1	0	1
<b>1991-1992</b>	1	0	0	0	1
<b>1996-1997</b>	0	1	0	0	1
<b>1998-1999</b>	0	1	0	0	1
<b>1999-2000</b>	0	1	0	0	1
<b>2000-2001</b>	1	0	2	0	3
<b>2003-2004</b>	0	1	1	0	2
<b>2004-2005</b>	0	0	1	0	1
<b>2009-2010</b>	0	0	3	0	3
<b>2010-2011</b>	0	2	0	0	2
<b>2014-2015</b>	0	0	1	0	1
<b>2015-2016</b>	0	0	0	1	1
<b>All</b>	3	7	9	1	20

Table V: Basketball college direct injuries

	<b>Male</b>			
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>All</b>
<b>1985-1986</b>	0	0	1	1
<b>1988-1989</b>	0	0	1	1
<b>1992-1993</b>	0	0	1	1
<b>1999-2000</b>	1	0	1	2
<b>2000-2001</b>	0	0	1	1
<b>2002-2003</b>	0	0	2	2
<b>2005-2006</b>	0	1	0	1
<b>2009-2010</b>	0	0	1	1
<b>2016-2017</b>	0	0	1	1
<b>All</b>	1	1	9	11

Table V: Cheerleading college direct injuries

	Female				Male			
	Fatal	Non-fatal	Serious	Unknown	All	Non-fatal	Serious	All
<b>1983-1984</b>	0	1	0	0	1	1	0	1
<b>1984-1985</b>	0	2	0	0	2	0	0	0
<b>1986-1987</b>	1	0	0	0	1	0	0	0
<b>1987-1988</b>	0	0	0	0	0	0	1	1
<b>1989-1990</b>	0	0	0	0	0	0	1	1
<b>1991-1992</b>	0	0	2	0	2	0	0	0
<b>1993-1994</b>	0	0	1	0	1	0	0	0
<b>1994-1995</b>	0	0	1	0	1	0	1	1
<b>1996-1997</b>	0	2	0	0	2	0	0	0
<b>1999-2000</b>	0	1	0	0	1	0	0	0
<b>2000-2001</b>	0	2	0	0	2	0	0	0
<b>2001-2002</b>	0	1	1	1	3	0	0	0
<b>2002-2003</b>	0	1	0	0	1	0	0	0
<b>2003-2004</b>	0	2	0	0	2	0	0	0
<b>2005-2006</b>	0	0	2	0	2	0	0	0
<b>2006-2007</b>	0	0	1	0	1	0	0	0
<b>2007-2008</b>	0	1	1	0	2	1	0	1
<b>2008-2009</b>	0	0	2	0	2	0	0	0
<b>2009-2010</b>	0	0	1	0	1	0	0	0
<b>2011-2012</b>	0	0	1	0	1	0	0	0
<b>All</b>	1	13	13	1	28	2	3	5

Table V: Equestrian college direct injuries

	<b>Female</b>	
	<b>Fatal</b>	<b>All</b>
<b>2003-2004</b>	1	1
<b>All</b>	1	1

Table V: Field Hockey college direct injuries

	<b>Female</b>		
	<b>Serious</b>	<b>Unknown</b>	<b>All</b>
<b>1988-1989</b>	1	0	1
<b>1999-2000</b>	1	0	1
<b>2005-2006</b>	0	1	1
<b>All</b>	2	1	3

Table V: Football college direct injuries

	<b>Male</b>			
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>All</b>
<b>1982-1983</b>	1	2	1	4
<b>1983-1984</b>	0	1	5	6
<b>1984-1985</b>	1	3	4	8
<b>1985-1986</b>	1	3	7	11
<b>1986-1987</b>	1	0	9	10
<b>1987-1988</b>	0	0	7	7
<b>1988-1989</b>	0	1	7	8
<b>1989-1990</b>	0	2	3	5
<b>1990-1991</b>	0	2	3	5
<b>1991-1992</b>	0	1	3	4
<b>1992-1993</b>	0	0	3	3
<b>1993-1994</b>	2	0	3	5
<b>1994-1995</b>	0	2	6	8
<b>1995-1996</b>	0	2	2	4
<b>1996-1997</b>	1	3	1	5
<b>1997-1998</b>	0	1	4	5
<b>1998-1999</b>	1	1	5	7
<b>1999-2000</b>	1	1	2	4
<b>2000-2001</b>	0	3	3	6
<b>2001-2002</b>	0	1	3	4
<b>2002-2003</b>	1	2	2	5
<b>2003-2004</b>	0	2	3	5
<b>2004-2005</b>	0	2	1	3
<b>2005-2006</b>	0	2	1	3
<b>2006-2007</b>	0	1	6	7
<b>2007-2008</b>	0	0	8	8
<b>2008-2009</b>	0	0	8	8

<b>Male</b>				
	<b>Fatal</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>All</b>
<b>2009-2010</b>	2	1	6	9
<b>2010-2011</b>	0	5	2	7
<b>2011-2012</b>	2	0	7	9
<b>2012-2013</b>	0	3	4	7
<b>2013-2014</b>	1	0	1	2
<b>2014-2015</b>	0	0	3	3
<b>2015-2016</b>	0	3	9	12
<b>2016-2017</b>	0	0	2	2
<b>2017-2018</b>	2	1	3	6
<b>2018-2019</b>	0	1	2	3
<b>2019-2020</b>	0	0	2	2
<b>All</b>	17	52	151	220

Table V: Gymnastics college direct injuries

	<b>Female</b>		<b>Male</b>		<b>Unknown</b>		
	<b>Non-fatal</b>	<b>All</b>	<b>Non-fatal</b>	<b>Serious</b>	<b>All</b>	<b>Non-fatal</b>	<b>All</b>
<b>1983-1984</b>	0	0	0	1	1	2	0
<b>1985-1986</b>	0	1	1	0	0	0	0
<b>1990-1991</b>	0	0	0	0	0	0	1
<b>1993-1994</b>	0	0	0	0	1	1	0
<b>2010-2011</b>	0	1	1	0	0	0	0
<b>2019-2020</b>	1	0	1	0	0	0	0
<b>All</b>	1	2	3	1	2	3	1



Table V: Ice Hockey college direct injuries

	Female		Male		
	Serious	All	Non-fatal	Serious	All
<b>1986-1987</b>	0	0	0	1	1
<b>1988-1989</b>	0	0	1	0	1
<b>1990-1991</b>	0	0	0	1	1
<b>1991-1992</b>	0	0	0	1	1
<b>1995-1996</b>	0	0	2	0	2
<b>1996-1997</b>	0	0	1	0	1
<b>1999-2000</b>	1	1	0	0	0
<b>2002-2003</b>	0	0	0	2	2
<b>2003-2004</b>	0	0	0	1	1
<b>2004-2005</b>	0	0	0	1	1
<b>2010-2011</b>	0	0	1	0	1
<b>All</b>	1	1	5	7	12

Table V: Lacrosse college direct injuries

	Female			Male		
	Non-fatal	All	Fatal	Non-fatal	Serious	All
<b>1990-1991</b>	1	1	0	0	0	0
<b>1992-1993</b>	0	0	0	0	1	1
<b>1998-1999</b>	0	0	1	0	0	1
<b>2000-2001</b>	0	0	1	0	1	2
<b>2002-2003</b>	1	1	0	0	0	0
<b>2003-2004</b>	0	0	1	1	0	2
<b>2004-2005</b>	0	0	1	0	0	1
<b>2017-2018</b>	0	0	0	0	1	1
<b>All</b>	2	2	4	1	3	8

Table V: Rowing college direct injuries

	<b>Male</b>	
	<b>Fatal</b>	<b>All</b>
<b>2003-2004</b>	1	1
<b>All</b>	1	1

Table V: Rugby college direct injuries

	<b>Male</b>		
	<b>Non-fatal</b>	<b>Serious</b>	<b>All</b>
<b>1986-1987</b>	1	0	1
<b>1992-1993</b>	0	1	1
<b>2016-2017</b>	2	0	2
<b>All</b>	3	1	4

Table V: Skiing college direct injuries

	<b>Female</b>			<b>Male</b>	
	<b>Fatal</b>	<b>Non-fatal</b>	<b>All</b>	<b>Fatal</b>	<b>All</b>
<b>1985-1986</b>	0	0	0	1	1
<b>1989-1990</b>	1	0	1	0	0
<b>2005-2006</b>	0	1	1	0	0
<b>All</b>	1	1	2	1	1

Table V: Soccer college direct injuries

	Female				Male		
	Non-fatal	Serious	Unknown	All	Non-fatal	Serious	All
<b>1986-1987</b>	0	0	0	0	0	1	1
<b>1998-1999</b>	1	0	0	1	0	0	0
<b>2000-2001</b>	0	0	0	0	0	1	1
<b>2008-2009</b>	1	0	0	1	0	0	0
<b>2014-2015</b>	0	0	0	0	1	0	1
<b>2017-2018</b>	0	2	0	2	0	0	0
<b>2018-2019</b>	0	0	1	1	0	0	0
<b>All</b>	2	2	1	5	1	2	3

Table V: Softball college direct injuries

	Female		
	Serious	Unknown	All
<b>2005-2006</b>	1	0	1
<b>2012-2013</b>	0	1	1
<b>2014-2015</b>	1	0	1
<b>2016-2017</b>	1	0	1
<b>All</b>	3	1	4

Table V: Swimming college direct injuries

	Male	
	Non-fatal	All
<b>1982-1983</b>	1	1
<b>All</b>	1	1

Table V: Track and Field college direct injuries

	Female			Male			
	Non-fatal	Serious	All	Fatal	Non-fatal	Serious	All
<b>1984-1985</b>	0	0	0	0	0	1	1
<b>1986-1987</b>	0	0	0	0	1	0	1
<b>1988-1989</b>	0	0	0	0	1	0	1
<b>1990-1991</b>	0	0	0	1	2	0	3
<b>1992-1993</b>	0	0	0	1	0	0	1
<b>1994-1995</b>	0	0	0	0	1	0	1
<b>1997-1998</b>	0	0	0	1	0	0	1
<b>2000-2001</b>	1	0	1	0	0	0	0
<b>2001-2002</b>	0	0	0	1	0	0	1
<b>2006-2007</b>	0	0	0	0	0	1	1
<b>2007-2008</b>	0	0	0	0	1	0	1
<b>2008-2009</b>	0	0	0	0	0	1	1
<b>2009-2010</b>	0	0	0	2	0	0	2
<b>2013-2014</b>	0	0	0	0	0	1	1
<b>2015-2016</b>	0	1	1	0	0	1	1
<b>2018-2019</b>	0	0	0	0	0	1	1
<b>All</b>	1	1	2	6	6	6	18

Table V: Wrestling college direct injuries

	Male		
	Non-fatal	Serious	All
<b>1987-1988</b>	1	0	1
<b>2009-2010</b>	1	0	1
<b>2016-2017</b>	0	1	1
<b>All</b>	2	1	3

TABLE VI  
COLLEGE SPORTS  
DIRECT INJURIES PER 100,000 PARTICIPANTS  
1982-1983 – 2019-2020

		Fatal		Non-fatal		Serious	
		N	Rate per 100,000	N	Rate per 100,000	N	Rate per 100,000
<b>Baseball</b>	<b>Male</b>	3	0.29	7	0.68	9	0.88
<b>Basketball</b>	<b>Male</b>	1	0.17	1	0.17	9	1.51
<b>Cheerleading</b>	<b>Female</b>	1	0	13	0	13	0
	<b>Male</b>	0	0	2	0	3	0
<b>Equestrian</b>	<b>Female</b>	1	3.50	0	0	0	0
<b>Field Hockey</b>	<b>Female</b>	0	0	0	0	2	0.97
<b>Football</b>	<b>Male</b>	17	0.75	52	2.31	151	6.71
<b>Gymnastics</b>	<b>Female</b>	1	1.76	2	3.51	0	0
	<b>Male</b>	0	0	1	5.18	2	10.37
<b>Ice Hockey</b>	<b>Female</b>	0	0	0	0	1	2.25
	<b>Male</b>	0	0	5	3.35	7	4.69
<b>Lacrosse</b>	<b>Female</b>	0	0	2	0.87	0	0
	<b>Male</b>	4	1.32	1	0.33	3	0.99
<b>Rowing</b>	<b>Male</b>	1	1.21	0	0	0	0
<b>Rugby</b>	<b>Male</b>	0	0	3	1829.27	1	609.76
<b>Skiing</b>	<b>Female</b>	1	5.36	1	5.36	0	0
	<b>Male</b>	1	4.44	0	0	0	0
<b>Soccer</b>	<b>Female</b>	0	0	2	0.31	2	0.31
	<b>Male</b>	0	0	1	0.14	2	0.28
<b>Softball</b>	<b>Female</b>	0	0	0	0	3	0.54
<b>Swimming</b>	<b>Male</b>	0	0	1	0.32	0	0
<b>Track and Field</b>	<b>Female</b>	0	0	1	0.07	1	0.07
	<b>Male</b>	6	0.38	6	0.38	6	0.38
<b>Wrestling</b>	<b>Male</b>	0	0	2	0.77	1	0.38

Note: Rates with number of incidents less than 5 should be interpreted with caution.

**COLLEGE LEVEL EXERTIONAL/MEDICAL (INDIRECT) – TABLES VII TO VIII**

Table VII: Baseball college indirect injuries

	<b>Male</b>			
	<b>Fatal</b>	<b>Serious</b>	<b>Unknown</b>	<b>All</b>
<b>1987-1988</b>	1	0	0	1
<b>1990-1991</b>	1	0	0	1
<b>2010-2011</b>	0	0	1	1
<b>2011-2012</b>	2	0	0	2
<b>2012-2013</b>	1	0	0	1
<b>2015-2016</b>	1	0	0	1
<b>2017-2018</b>	0	2	0	2
<b>2018-2019</b>	1	0	0	1
<b>All</b>	7	2	1	10

Table VII: Basketball college indirect injuries

	Female			Male		
	Fatal	Serious	All	Fatal	Serious	All
<b>1982-1983</b>	0	0	0	1	0	1
<b>1983-1984</b>	0	0	0	1	0	1
<b>1987-1988</b>	1	0	1	2	0	2
<b>1988-1989</b>	0	0	0	1	0	1
<b>1989-1990</b>	0	0	0	2	0	2
<b>1991-1992</b>	0	0	0	2	0	2
<b>1993-1994</b>	0	0	0	2	0	2
<b>1994-1995</b>	0	0	0	2	0	2
<b>1997-1998</b>	0	0	0	2	0	2
<b>2000-2001</b>	0	0	0	1	0	1
<b>2001-2002</b>	0	0	0	2	0	2
<b>2002-2003</b>	0	0	0	3	1	4
<b>2003-2004</b>	0	0	0	3	0	3
<b>2004-2005</b>	0	0	0	1	1	2
<b>2005-2006</b>	2	0	2	0	0	0
<b>2006-2007</b>	0	0	0	2	0	2
<b>2007-2008</b>	0	0	0	1	1	2
<b>2008-2009</b>	2	0	2	1	0	1
<b>2009-2010</b>	0	1	1	4	1	5
<b>2010-2011</b>	0	0	0	1	0	1
<b>2011-2012</b>	0	0	0	2	1	3
<b>2012-2013</b>	0	0	0	0	1	1
<b>2013-2014</b>	0	1	1	0	2	2
<b>2014-2015</b>	0	1	1	0	4	4
<b>2016-2017</b>	0	0	0	1	3	4
<b>2017-2018</b>	0	0	0	0	2	2
<b>2018-2019</b>	0	0	0	3	0	3

	Female			Male		
	Fatal	Serious	All	Fatal	Serious	All
<b>2019-2020</b>	0	0	0	0	1	1
<b>All</b>	5	3	8	40	18	58

Table VII: Cross Country college indirect injuries

	Female		Male		
	Fatal	All	Fatal	Serious	All
<b>1986-1987</b>	0	0	1	0	1
<b>2012-2013</b>	0	0	1	0	1
<b>2013-2014</b>	1	1	0	0	0
<b>2016-2017</b>	0	0	0	1	1
<b>2018-2019</b>	0	0	0	1	1
<b>All</b>	1	1	2	2	4

Table VII: Field hockey college indirect injuries

	Female	
	Serious	All
<b>2019-2020</b>	1	1
<b>All</b>	1	1



Table VII: Football college indirect injuries

	<b>Male</b>			
	<b>Fatal</b>	<b>Serious</b>	<b>Unknown</b>	<b>All</b>
<b>1982-1983</b>	4	0	0	4
<b>1983-1984</b>	2	0	0	2
<b>1985-1986</b>	1	0	0	1
<b>1986-1987</b>	2	0	0	2
<b>1987-1988</b>	2	0	0	2
<b>1988-1989</b>	1	0	0	1
<b>1989-1990</b>	1	0	1	2
<b>1990-1991</b>	3	0	0	3
<b>1991-1992</b>	2	0	0	2
<b>1993-1994</b>	3	0	0	3
<b>1995-1996</b>	1	0	0	1
<b>1996-1997</b>	1	0	0	1
<b>1997-1998</b>	1	0	0	1
<b>2000-2001</b>	3	0	0	3
<b>2001-2002</b>	4	0	0	4
<b>2002-2003</b>	1	0	0	1
<b>2003-2004</b>	3	0	0	3
<b>2004-2005</b>	1	0	0	1
<b>2005-2006</b>	2	0	0	2
<b>2006-2007</b>	3	0	0	3
<b>2007-2008</b>	2	0	0	2
<b>2008-2009</b>	1	1	0	2
<b>2009-2010</b>	4	0	0	4
<b>2011-2012</b>	4	0	0	4
<b>2012-2013</b>	3	0	0	3
<b>2013-2014</b>	1	4	0	5
<b>2014-2015</b>	3	0	0	3
<b>2015-2016</b>	1	0	0	1

	<b>Male</b>			
	<b>Fatal</b>	<b>Serious</b>	<b>Unknown</b>	<b>All</b>
<b>2016-2017</b>	2	5	0	7
<b>2017-2018</b>	3	7	0	10
<b>2018-2019</b>	5	3	0	8
<b>2019-2020</b>	1	1	0	2
<b>All</b>	71	21	1	93

Table VII: Gymnastics college indirect injuries

	<b>Female</b>	
	<b>Fatal</b>	<b>All</b>
<b>2000-2001</b>	1	1
<b>All</b>	1	1

Table VII: Ice Hockey college indirect injuries

	<b>Male</b>		
	<b>Fatal</b>	<b>Serious</b>	<b>All</b>
<b>1983-1984</b>	1	0	1
<b>1991-1992</b>	0	1	1
<b>2010-2011</b>	0	1	1
<b>2016-2017</b>	0	1	1
<b>All</b>	1	3	4

Table VII: Lacrosse college indirect injuries

	Female		Male	
	Serious	All	Fatal	All
<b>1988-1989</b>	0	0	1	1
<b>2005-2006</b>	0	0	1	1
<b>2011-2012</b>	6	6	0	0
<b>All</b>	6	6	2	2

Table VII: Rowing college indirect injuries

	Male	
	Fatal	All
<b>2001-2002</b>	1	1
<b>2004-2005</b>	1	1
<b>All</b>	2	2

Table VII: Skiing college indirect injuries

	Male	
	Fatal	All
<b>2013-2014</b>	1	1
<b>All</b>	1	1

Table VII: Soccer college indirect injuries

	Female			Male		
	Fatal	Serious	All	Fatal	Serious	All
<b>1992-1993</b>	1	0	1	0	0	0
<b>1995-1996</b>	0	0	0	1	0	1
<b>1997-1998</b>	1	0	1	0	1	1
<b>2001-2002</b>	0	0	0	1	0	1
<b>2002-2003</b>	1	0	1	0	0	0
<b>2008-2009</b>	0	0	0	0	1	1
<b>2009-2010</b>	0	0	0	1	0	1
<b>2010-2011</b>	0	0	0	1	0	1
<b>2012-2013</b>	0	0	0	1	0	1
<b>2014-2015</b>	0	0	0	1	0	1
<b>2015-2016</b>	0	1	1	0	0	0
<b>2016-2017</b>	0	0	0	0	1	1
<b>All</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>3</b>	<b>9</b>

Table VII: Swimming college indirect injuries

	Female			Male	
	Fatal	Serious	All	Fatal	All
<b>1987-1988</b>	0	0	0	1	0
<b>1992-1993</b>	0	0	0	1	0
<b>1994-1995</b>	0	0	0	1	0
<b>1996-1997</b>	0	0	0	1	0
<b>2001-2002</b>	0	0	0	1	0
<b>2006-2007</b>	1	0	1	0	0
<b>2007-2008</b>	1	0	1	1	0
<b>2008-2009</b>	0	1	1	0	0
<b>2012-2013</b>	0	0	0	1	0
<b>2015-2016</b>	0	0	0	1	0
<b>2016-2017</b>	1	0	1	0	0
<b>2019-2020</b>	0	0	0	0	1
<b>All</b>	3	1	4	8	1

Table VII: Tennis college indirect injuries

	Female		Male	
	Fatal	All	Fatal	All
<b>1982-1983</b>	0	0	1	1
<b>1983-1984</b>	1	1	0	0
<b>All</b>	1	1	1	1

Table VII: Track and Field college indirect injuries

	Female		Male		
	Serious	All	Fatal	Serious	All
<b>1986-1987</b>	0	0	1	0	1
<b>2010-2011</b>	0	0	1	0	1
<b>2014-2015</b>	1	1	0	1	1
<b>2016-2017</b>	0	0	0	2	2
<b>2019-2020</b>	0	0	0	1	1
<b>All</b>	1	1	2	4	6

Table VII: Volleyball college indirect injuries

	Female		
	Fatal	Serious	All
<b>1997-1998</b>	1	0	1
<b>2008-2009</b>	1	0	1
<b>2013-2014</b>	0	1	1
<b>2015-2016</b>	0	1	1
<b>2016-2017</b>	0	8	8
<b>All</b>	2	10	12

Table VII: Water Polo college indirect injuries

	Male	
	Fatal	All
<b>1988-1989</b>	1	1
<b>2013-2014</b>	1	1
<b>All</b>	2	2

Table VII: Wrestling college indirect injuries

	<b>Male</b>		
	<b>Fatal</b>	<b>Serious</b>	<b>All</b>
<b>1997-1998</b>	3	0	3
<b>2008-2009</b>	0	1	1
<b>2010-2011</b>	1	0	1
<b>2013-2014</b>	1	2	3
<b>2016-2017</b>	1	0	1
<b>2017-2018</b>	0	1	1
<b>All</b>	6	4	10

TABLE VIII  
COLLEGE SPORTS  
INDIRECT INJURIES PER 100,000 PARTICIPANTS  
1982-1983 – 2019-2020

		Fatal		Serious	
		N	Rate per 100,000	N	Rate per 100,000
<b>Baseball</b>	<b>Male</b>	7	0.68	2	0.20
<b>Basketball</b>	<b>Female</b>	5	0.95	3	0.57
	<b>Male</b>	40	6.73	18	3.03
<b>Cross Country</b>	<b>Female</b>	1	0.23	0	0
	<b>Male</b>	2	0.45	2	0.45
<b>Field Hockey</b>	<b>Female</b>	0	0	1	0.48
<b>Football</b>	<b>Male</b>	71	3.15	21	0.93
<b>Gymnastics</b>	<b>Female</b>	1	1.76	0	0
<b>Ice Hockey</b>	<b>Male</b>	1	0.67	3	2.01
<b>Lacrosse</b>	<b>Male</b>	0	0	6	2.61
	<b>Female</b>	2	0.66	0	0
<b>Rowing</b>	<b>Male</b>	2	2.42	0	0
<b>Skiing</b>	<b>Male</b>	1	4.44	0	0
<b>Soccer</b>	<b>Female</b>	3	0.47	1	0.16
	<b>Male</b>	6	0.84	3	0.42
<b>Swimming</b>	<b>Female</b>	3	0.78	1	0.26
	<b>Male</b>	8	2.53	1	0.32
<b>Tennis</b>	<b>Female</b>	1	0.32	0	0
	<b>Male</b>	1	0.34	0	0
<b>Track and Field</b>	<b>Male</b>	0	0	1	0.07
	<b>Female</b>	2	0.13	4	0.26
<b>Volleyball</b>	<b>Female</b>	2	0.40	10	2.00
<b>Water Polo</b>	<b>Male</b>	2	5.31	0	0
<b>Wrestling</b>	<b>Male</b>	6	2.31	4	1.54

Note: Rates with number of incidents less than 5 should be interpreted with caution.



## SPORT PARTICIPATION – TABLE IX

TABLE IX. PARTICIPATION NUMBERS 1982-1983 to 2019-2020

	High School <sup>1</sup>		College <sup>2</sup>	
	Female	Male	Female	Male
<b>Baseball</b>	37,341	17,109,664	-	1,022,092
<b>Basketball</b>	16,170,283	20,316,794	524,899	594,525
<b>Cheerleading<sup>3</sup></b>	2,661,359	66,299	--	--
<b>Cross Country</b>	6,072,123	7,197,649	438,025	440,518
<b>Equestrian<sup>4</sup></b>	25,528	4,140	28,580	1,088
<b>Field Hockey</b>	2,168,469	5,644	207,173	--
<b>Football</b>	39,241	38,201,535	--	2,251,827
<b>Golf</b>	2,071,785	5,450,708	120,961	293,766
<b>Gymnastics</b>	862,320	122,400	56,917	19,291
<b>Ice Hockey</b>	182,992	1,151,529	44,501	149,266
<b>Lacrosse</b>	1,593,114	2,113,601	229,582	303,308
<b>Rowing</b>	69,137	61,199	187,476	82,504
<b>Skiing</b>	310,618	371,507	18,651	22,529
<b>Soccer</b>	9,701,973	12,294,856	642,934	718,257
<b>Softball</b>	12,663,708	59,195	555,739	--
<b>Swimming</b>	4,918,690	3,926,850	383,562	315,828
<b>Tennis</b>	5,988,491	5,528,798	310,290	295,489
<b>Track and Field<sup>5</sup></b>	17,292,836	21,204,692	1,376,298	1,561,777
<b>Volleyball<sup>6</sup></b>	13,997,727	1,369,403	499,856	47,230
<b>Water Polo</b>	426,109	570,014	26,226	37,679
<b>Wrestling</b>	191,213	9,344,188	98	260,178

<sup>1</sup> Yearly participation estimates for high school athletes are obtained from NFHS participation reports (available online: <https://www.nfhs.org/ParticipationStatistics/ParticipationStatistics/>).

<sup>2</sup> Yearly participation estimates for collegiate level athletes are obtained from the National Collegiate Athletic Association (NCAA) participation reports (available online: [https://ncaaorg.s3.amazonaws.com/research/sportpart/2019-20RES\\_SportsSponsorshipParticipationRatesReport.pdf](https://ncaaorg.s3.amazonaws.com/research/sportpart/2019-20RES_SportsSponsorshipParticipationRatesReport.pdf)).

<sup>3</sup> Cheerleading is not a sponsored sport for NCAA collegiate athletes. High school cheerleading participation is estimated from NFHS competitive spirit participation. Many schools have cheerleading programs that are not sponsored by NFHS. Therefore, high school cheerleading participation is an underestimate.

<sup>4</sup> Equestrian (male and female) and rowing (males) are non-championship NCAA collegiate sports.

<sup>5</sup> Includes both indoor and outdoor track and field.

<sup>6</sup> Includes sand volleyball.

Note: Not all high schools and colleges are members of the NFHS and NCAA. Complete data are not available for the non-member schools. Therefore, these participation numbers underestimate the total number of high school and collegiate participants in the United States.

Note: the NFHS did not collect participation data from member states in 2019/20 due to COVID-10. Therefore participation from 2018/19 was used to estimate participation for 2019/20. In addition, all high school and collegiate spring sport seasons were cancelled in March of 2020 due to COVID-19 stay at home orders.