

PowerPlus Mouthguard

Ongoing Field Study of subjects wearing PowerPlus Mouthguard

2003

National Hockey League	7 players	No Concussions
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2004

Traverse City East Jr High Football	35 Players	No Concussions
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2005

Traverse City East Jr High Football	35 Players	No Concussions
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Traverse City St. Francis Football	30 Players	No Concussions
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National Football League	1 Player	No concussion
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2006

Traverse City Central High Football	50 Players	No Concussions
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Traverse City St. Francis Football	30 Players	No Concussions
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Traverse City Central High Wrestling	20 Players	No Concussions
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2007

Traverse City Central High Football	50 Players	No Concussions
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Traverse City St. Francis Football	30 Players	No Concussions
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Traverse City Central High Wrestling	20 Players	No Concussions
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2008

Traverse City Central High Football	40 Players	No Concussions
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Traverse City St. Francis Football	30 Players	No Concussions
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Traverse City Central High Wrestling	20 Players	No Concussions
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Wayne State University Football	27 Players	No Concussions
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Traverse City North Stars Hockey	23 Players	No Concussions
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Cardinal Moony H.S. Football	35 Players	1 concussion
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2009

Wayne State University Football	27 Players	No Concussions
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WSU Men's Basketball	27 Players	No Concussions
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WSU Women's Basketball	20 Players	No Concussions
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WSU Women's Hockey	22 Players	No Concussions
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2010

WSU Men's Football	49 Players	2 Concussions
St. Francis H.S. Football	20 Players	No Concussions
Traverse City Wolves Semi Pro Football	49 Players	No Concussions

2011

Orion H.S. Football	30 Players	No Concussion
Western Reserve Football	50 Players	No Concussions
US Marine Unit- Afghanistan	30 Soldiers	No Concussions
Mount Union College Football	50 Players	No Concussions
Hillman HS	8 Players	No Concussions
St. Francis H.S. Football	10 Players	No Concussions
Traverse City West HS Football	2 Players	No Concussions

2012

Benzie Central HS Football	25 Players	No Concussions
Bishop Manogue HS	51 Players	No Concussions
U Mass Amhurst	20 Players	No concussions

2013

Benzie Central HS	30 Players	No concussions
AFL China Football Allstars	40 Players	No concussions

2014

Waskom High School	50 Players	No concussions
East central University	80 Players	No concussions
Benzie CentralHS	30 Players	No Concussions

2015

Waskom High School	50 Players	No Concussions
Idabel High School	50 Players	No Concussions
Benzie Central HS	30 Players	1 Concussion

2016

Idabel High School	50 Players	No Concussions
NFL Players	3 Players	No concussions
Victory Life Academy	50 Players	No concussions
Traverse City Central Hockey	25 Players	No concussions

Gaylord High School	25 Players	No concussions
Cadallac High School	25 Players	No concussions
MMA Fighters	2 Athletes	No Concussions

2017

Idabel HS	50 Players	No Concussions
Waskom HS	35 Players	No Concussions
Colleyville HS	85 Players	No Concussions
Grapevine HS	2 Players	No Concussions
Coppell HS	25 Players	No Concussions
JJ Pierce HS	35 Players	No Concussions
Grand Prairie HS	6 Players	No Concussions
Aledo HS	5 Players	No Concussions
Denton Ryan HS	4 Players	No Concussions
Lewisville HS	5 Players	No Concussions
Weatherford Youth FB	25 Players	No concussions
Dallas Elite Womans FB	25 Players	No Concussions
Azel HS	3 Players	No Concussions
Frisco HS	15 Players	No Concussions
Greenville HS	3 Players	No Concussions
Jefferson HS	2 Players	No Concussions
Carrollton HS	5 Players	No Concussions
Arlington HS	5 Players	No Concussions
White Settlement HS	5 Players	No Concussions
McKinney HS	5 Players	No Concussions
Allen HS	5 Players	No Concussions
Rossford HS	25 Players	No Concussions
Bay Reps Hockey	21 Players	No Concussions
NFL Players	7 Players	No Concussions
Central Lake HS	20 Players	No Concussions

2018

Anderson	100 Players	No concussions
Individual P+ Sold	250 Players	1 Concussion
JJ Pierce HS, TX	40Players	No Concussions
Mountain View HS, AZ	70 Players	No Concussions
Trinity Christian, TX	40 Players	1 Concussions

Grapevine HS, TX	189 Players	No Concussions
Grapevine Middle School, TX	5 Players	No Concussions
Collyville HS, Tx	189 Players	No Concussions
Collyville MS, TX	10 Players	No Concussions
Collyville HS, TX Soccer	44 Players	No Concussions
Cedar Park HS, TX	200 Players	No Concussions
Vandegrift HS, TX	65 Players	1 Concussion W/ P+, (2 W/O P+)
Sanford Fritch HS, TX	50 Players	No Concussions
Brock HS, TX	45 Players	No Concussions
Tyler HS, TX	7 Players	No Concussions
Hyland Park HS, TX Lacross	37 Players	No Concussions
Richland HS, TX	10 Players	No Concussions
Northwest Texas HS, TX	10 Players	No Concussions
Frisco HS, TX	5 Players	No Concussions
Dallas Stars Youth Hockey	45 Players	1 Concussion
Taquitz HS, CA	91 Players	No Concussions
Temecula Valley HS, CA	75 Players	No Concussions
Corona Santiago HS, CA	86 Players	1 Concussion
	(84 Players W/O P+ 16 had concussions)	
East Jordan HS, MI	50 Players	No concussions
Central Lake HS, MI	20 Players	No Concussions
Traverse City Cenentral HS, MI Hockey	25 Players	No Concussions
Haleville HS, Al	50 Players	No Concussions
Lewar Spartans Ewa Beach , HI	31 Players	no concussions
College		
UAB Football	110 Players	No Concussions
Miles College Football, AL	110 Players	No Concussions
Texas Tech Univ. , TX	5 Players	No Concussions
Polynesian Hall of Fame Bowl Participants	110 Players	no concussions
Total to Date	4085 Players	8 concussions

Concussion rate to date:

$8/4085 \times 100 = 0.20\%$ Concussion rate in players wearing PowerPlus Mouthguard.

