



**FEI**<sup>™</sup>

**EVENTING**

Risk Management Programme  
Statistics 2007 – 2018

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# COMPETITIONS

**Statistics 2007 – 2018**

# COMPETITIONS – Statistics 2007 – 2018

## Competitions per Competition Level

Year	Total number	Intro		1*		2*		3*		4*	
		number	%	number	%	number	%	number	%	number	%
2007	408	NA	NA	164	40.2%	148	36.3%	91	22.3%	5	1.2%
2008	428	NA	NA	185	43.2%	160	37.4%	76	17.8%	7	1.6%
2009	433	NA	NA	190	43.9%	155	35.8%	82	18.9%	6	1.4%
2010	478	NA	NA	223	46.7%	159	33.2%	89	18.6%	7	1.5%
2011	567	NA	NA	241	42.5%	214	37.7%	106	18.7%	6	1.1%
2012	524	NA	NA	232	44.3%	180	34.4%	106	20.2%	6	1.1%
2013	563	NA	NA	261	46.4%	191	33.9%	105	18.6%	6	1.1%
2014	619	NA	NA	290	46.8%	219	35.4%	103	16.6%	7	1.1%
2015	684	NA	NA	290	42.4%	257	37.6%	131	19.1%	6	0.9%
2016	671	NA	NA	308	45.9%	224	33.4%	132	19.7%	7	1.0%
2017	690	NA	NA	322	46.6%	242	35.1%	120	17.4%	6	0.9%
2018	725	13	1.8%	330	45.5%	249	34.3%	126	17.4%	7	1.0%

# COMPETITIONS – Statistics 2007 – 2018

## Competitions per Competition Format

Year	Total number	Unified – Intro		Short Format (CIC)		Long Format (CCI)	
		number	%	number	%	number	%
2007	408	N/A	N/A	240	58.8%	168	41.2%
2008	428	N/A	N/A	266	62.1%	162	37.9%
2009	433	N/A	N/A	273	63.0%	160	37.0%
2010	478	N/A	N/A	306	64.0%	172	36.0%
2011	567	N/A	N/A	355	62.6%	212	37.4%
2012	524	N/A	N/A	347	66.2%	177	33.8%
2013	563	N/A	N/A	370	65.7%	193	34.3%
2014	619	N/A	N/A	391	63.2%	228	36.8%
2015	684	N/A	N/A	457	66.8%	227	33.2%
2016	671	N/A	N/A	458	68.3%	213	31.7%
2017	690	N/A	N/A	446	64.6%	244	35.4%
2018	725	13	1.8%	452	62.3%	273	35.9%

# COMPETITIONS – Statistics 2007 – 2018

## Key Facts

- Total number of competitions has grown by **80% increase** from 2007 to 2018.
- As from 2011 the total number of competitions include multiple sections.
- Pony competitions are not included.
- Intro Level has been added as Unified format
- The distribution between the competition formats shows for 2018 an increase of Short format (CIC) versus Long format (CCI) with 62% of Short format (CIC) competitions versus 36% of Long format (CCI) competitions as opposed to 59% for Short format (CIC) and 41% for Long format (CCI) in 2007.





# STARTERS

**Statistics 2007 - 2018**

# STARTERS – Statistics 2007 – 2018

## Starters per Competition Level

Year	Total starters	Intro		1*		2*		3*		4*	
		starters	%	starters	%	starters	%	starters	%	starters	%
2007	13,661	N/A	N/A	6,563	48.0%	4,388	32.1%	2,464	18.0%	246	1.8%
2008	14,268	N/A	N/A	7,175	50.3%	4,660	32.7%	2,124	14.9%	309	2.2%
2009	14,206	N/A	N/A	6,951	48.9%	4,716	33.2%	2,238	15.8%	301	2.1%
2010	15,698	N/A	N/A	7,702	49.1%	5,183	33.0%	2,417	15.4%	396	2.5%
2011	16,312	N/A	N/A	7,706	47.2%	5,299	32.5%	2,972	18.2%	335	2.1%
2012	15,456	N/A	N/A	7,454	48.2%	5,032	32.6%	2,662	17.2%	308	2.0%
2013	17,808	N/A	N/A	8,925	50.1%	5,675	31.9%	2,874	16.1%	334	1.9%
2014	19,210	N/A	N/A	9,541	49.7%	6,314	32.9%	2,957	15.4%	398	2.1%
2015	20,351	N/A	N/A	9,673	47.5%	6,957	34.2%	3,377	16.6%	344	1.7%
2016	19,921	N/A	N/A	9,874	49.6%	6,306	31.7%	3,373	16.9%	368	1.8%
2017	20,611	N/A	N/A	10,216	49.6%	6,618	32.1%	3,445	16.7%	332	1.6%
2018	20,903	180	0.9%	10,082	48.2%	6,603	31.6%	3,638	17.4%	400	1.9%

# STARTERS – Statistics 2007 – 2018

## Average Starters per Competition Level

Year	Starters	Compet.	All Levels Starters	Intro	1*	2*	3*	4*
				starters	starters	starters	starters	starters
2007	13,661	408	33	N/A	40	30	27	49
2008	14,268	428	33	N/A	39	29	28	44
2009	14,206	433	33	N/A	37	30	27	50
2010	15,698	478	33	N/A	35	33	27	57
2011	16,312	560	29	N/A	33	25	28	56
2012	15,456	511	30	N/A	33	28	25	51
2013	17,808	563	32	N/A	34	30	27	56
2014	19,210	619	31	N/A	33	29	29	57
2015	20,351	668	30	N/A	34	28	27	57
2016	19,921	671	30	N/A	32	28	26	53
2017	20,611	690	30	N/A	32	27	29	55
2018	20,903	725	29	14	31	27	29	57

# STARTERS – Statistics 2007 – 2018

## Starters per Competition Format

Year	Total starters	Unified – Intro		Short Format (CIC)		Long Format (CCI)	
		Starters	%	Starters	%	Starters	%
2007	13,661	N/A	N/A	7,761	57%	5,900	43%
2008	14,268	N/A	N/A	8,445	59%	5,823	41%
2009	14,206	N/A	N/A	8,556	60%	5,650	40%
2010	15,698	N/A	N/A	9,664	62%	6,034	38%
2011	16,312	N/A	N/A	10,308	63%	6,004	37%
2012	15,456	N/A	N/A	10,121	65%	5,335	35%
2013	17,808	N/A	N/A	11,790	66%	6,018	34%
2014	19,210	N/A	N/A	12,634	66%	6,576	34%
2015	20,351	N/A	N/A	14,010	69%	6,341	31%
2016	19,921	N/A	N/A	13,673	69%	6,248	31%
2017	20,611	N/A	N/A	14,019	68%	6,592	32%
2018	20,903	180	1%	14,068	67%	6,655	32%

# STARTERS – Statistics 2007 – 2018

## Average Starters per Competition Format

Year	Unified Intro			Short Format (CIC)			Long Format (CCI)		
	Starters	Compet.	Average	Starters	Compet.	Average	Starters	Compet.	Average
2007	N/A	N/A	N/A	7,761	240	<b>32</b>	5,900	168	<b>35</b>
2008	N/A	N/A	N/A	8,445	266	<b>32</b>	5,823	162	<b>36</b>
2009	N/A	N/A	N/A	8,556	273	<b>31</b>	5,650	160	<b>35</b>
2010	N/A	N/A	N/A	9,664	306	<b>32</b>	6,034	172	<b>35</b>
2011	N/A	N/A	N/A	10,308	352	<b>29</b>	6,004	208	<b>29</b>
2012	N/A	N/A	N/A	10,121	338	<b>30</b>	5,335	173	<b>31</b>
2013	N/A	N/A	N/A	11,790	370	<b>32</b>	6,018	193	<b>31</b>
2014	N/A	N/A	N/A	12,634	391	<b>32</b>	6,576	228	<b>29</b>
2015	N/A	N/A	N/A	14,010	447	<b>31</b>	6,341	221	<b>29</b>
2016	N/A	N/A	N/A	13,673	458	<b>30</b>	6,248	213	<b>29</b>
2017	N/A	N/A	N/A	14,019	446	<b>31</b>	6,592	244	<b>27</b>
2018	180	13	14	14,068	452	<b>31</b>	6,655	260	<b>26</b>

# STARTERS – Statistics 2007 – 2018

## Key Facts

- Total number of starters has grown with a **53% increase** from 2007 to 2018. The average number of starters per competition is 29.
- Distribution of starters per star level shows a slight decrease at One and Two Star with an average of 48.2% for One star and 31.6% for Two star, whilst at Three and Four Star a slight increase was recorded with an average of, 17.4% for Three star and 1.9% for Four star. The Intro level represents 0.9% of starters.
- The starters at Intro and One star level represent nearly 50% of the total number of starters in FEI competitions and together with the Two star level make up 80% of the total number of starters.
- Within the overall increased number of starters the distribution between format shows a trend of increased participation in Short format (CIC) with 67 % versus 32% for Long format (CCI), the Intro level represents 1% in 2018.





**FALLS**

**Statistics 2007 - 2018**

# FALLS – Statistics 2007 - 2018

## Total falls per competition level and percentage of total falls on starters – part 1/2

Year	Total			Intro		1*		2*		3*		4*	
	starters	falls	%	Falls	%	Falls	%	Falls	%	falls	%	falls	%
2005	12,542	826	6.59%	NA	NA	283	4.59%	335	7.65%	182	10.31%	26	11.45%
2006	13,660	789	5.78%	NA	NA	261	4.06%	288	5.99%	202	9.51%	38	12.67%
2007	13,661	781	5.72%	NA	NA	292	4.45%	277	6.31%	177	7.18%	35	14.23%
2008	14,268	818	5.73%	NA	NA	320	4.46%	285	6.12%	163	7.67%	50	16.18%
Average2005-2008			5.94%		NA		4.39%		6.50%		8.54%		13.77%
1 Every xstarters			17		NA		23		15		12		7
Target 2009-2013			5.40%				3.90%		5.78%		7.72%		12.43%
Alertlevel			10.80%				7.79%		11.56%		15.44%		24.86%
2009	14,206	778	5.48%	NA	NA	328	4.72%	247	5.24%	165	7.37%	38	12.62%
2010	15,698	783	4.99%	NA	NA	312	4.05%	283	5.46%	144	5.96%	44	11.11%
2011	16,312	912	5.59%	NA	NA	314	4.07%	343	6.47%	215	7.23%	40	11.94%
2012	15,456	859	5.56%	NA	NA	364	4.88%	263	5.23%	191	7.18%	41	13.31%
2013	17,808	937	5.26%	NA	NA	416	4.66%	293	5.16%	193	6.72%	35	10.48%
Average2009-2013			5.37%		NA		4.48%		5.52%		6.90%		11.83%
1 every xstarters			19		NA		22		18		14		8
Target 2014-2018			5.40%		NA		3.90%		5.78%		7.72%		12.43%
Alertlevel			10.80%		NA		7.79%		11.56%		15.44%		24.86%

# FALLS – Statistics 2007 - 2018

Total falls per competition level and percentage of total falls on starters – part 2/2

Year	Total			Intro		1*		2*		3*		4*	
	starters	falls	%	Falls	%	Falls	%	Falls	%	falls	%	falls	%
2014	19,210	1,073	5.59%	NA	NA	468	4.91%	330	5.23%	213	7.20%	62	15.58%
2015	20,351	1,140	5.60%	NA	NA	469	4.85%	400	5.75%	235	6.96%	36	10.47%
2016	19,921	1,064	5.34%	NA	NA	466	4.72%	327	5.19%	226	6.70%	45	12.23%
2017	20,611	1,101	5.34%	NA	NA	484	4.74%	346	5.23%	223	6.47%	48	14.46%
2018	20,903	1,123	5.37%	7	3.09%	488	4.84%	335	5.07%	249	6.84%	44	11.00%
Average2014-2018			5.45%		NA		4.81%		5.30%		6.83%		12.76%
1 everyxstarters			18		NA		21		19		15		8
Target 2019-2021			5.40%				3.90%		5.78%		7.72%		12.43%
Alertlevel			10.80%				7.79%		11.56%		15.44%		24.86%

# FALLS – Statistics 2007 - 2018

## Falls per competition format and percentage of falls on starters

Year	Total			Unified Intro			Short format (CIC)			Long format (CCI)		
	starters	falls	%	starters	Falls	%	starters	Falls	%	starters	falls	%
2007	13,661	781	5.72%	N/A	N/A	N/A	7,761	397	5.12%	5,900	384	6.51%
2008	14,268	818	5.73%	N/A	N/A	N/A	8,445	445	5.27%	5,823	373	6.41%
2009	14,206	778	5.48%	N/A	N/A	N/A	8,556	427	4.99%	5,650	351	6.21%
2010	15,698	783	4.99%	N/A	N/A	N/A	9,664	409	4.23%	6,034	374	6.20%
2011	16,312	912	5.59%	N/A	N/A	N/A	10,308	538	5.22%	6,004	374	6.23%
2012	15,456	859	5.56%	N/A	N/A	N/A	10,121	521	5.15%	5,335	338	6.34%
2013	17,808	937	5.26%	N/A	N/A	N/A	11,790	537	4.55%	6,018	400	6.65%
2014	19,210	1,073	5.59%	N/A	N/A	N/A	12,634	621	4.92%	6,576	452	6.87%
2015	20,351	1,140	5.60%	N/A	N/A	N/A	14,010	726	5.18%	6,341	414	6.53%
2016	19,921	1,064	5.34%	N/A	N/A	N/A	13,673	691	5.05%	6,248	373	5.97%
2017	20,611	1,101	5.34%	N/A	N/A	N/A	14,019	669	4.77%	6,592	432	6.55%
2018	20,903	1,123	5.37%	180	13	0.86%	14,068	722	5.13%	6,655	394	5.92%

period	208,405	11,362	5.45%	N/A	N/A	N/A	135,049	6,703	4.96%	73,176	4,659	6.37%
1everyxstarters			18			N/A			20			16

# FALLS – Statistics 2007 - 2018

## Falls at fences and on the flat and percentage of total falls

Year	Total falls	At fences		On the flat	
		falls	%	Falls	%
2007	781	759	97.18%	22	2.82%
2008	818	767	93.77%	51	6.23%
2009	778	741	95.24%	37	4.76%
2010	783	709	90.55%	74	9.45%
2011	912	846	92.76%	66	7.23%
2012	859	816	94.99%	43	5.01%
2013	937	850	90.71%	87	9.29%
2014	1,073	965	89.93%	108	10.07%
2015	1,140	1,001	87.81%	139	12.19%
2016	1,064	928	87.22%	136	12.78%
2017	1,101	925	84.01%	176	15.99%
2018	1,123	904	80.50%	219*	19.50%

\*65 on Cross Country, 2 falls in Dressage, 103 in Show Jumping and 49 Elsewhere (warm-up)

period	11,369	10,211	89.81%	1,158	10.19%
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# FALLS – Statistics 2018

## Falls on the flat per location, type and level

	Rider Unseated					Non rotational					Rotational		
	Dressage	Show Jumping	Elsewhere	Cross Country	TOTAL	Dressage	Show Jumping	Elsewhere	Cross Country	TOTAL	Elsewhere	Cross Country	TOTAL
Intro	0	2	0	0	<b>2</b>	0	0	0	0	<b>0</b>	0	<b>0</b>	<b>0</b>
CIC1*	2	38	15	12	<b>67</b>	0	2	2	7	<b>11</b>	0	<b>0</b>	<b>0</b>
CIC2*	0	16	12	11	<b>39</b>	0	2	2	6	<b>10</b>	0	<b>0</b>	<b>0</b>
CIC3*	0	7	4	4	<b>15</b>	0	1	2	3	<b>6</b>	0	<b>0</b>	<b>0</b>
CCH1*	0	20	7	7	<b>34</b>	0	3	0	10	<b>13</b>	0	<b>0</b>	<b>0</b>
CCI2*	0	9	2	0	<b>11</b>	0	0	1	3	<b>4</b>	0	<b>0</b>	<b>0</b>
CCI3*	0	1	0	1	<b>2</b>	0	1	1	1	<b>3</b>	0	<b>0</b>	<b>0</b>
CCI4*	0	0	0	0	<b>0</b>	0	1	1	0	<b>2</b>	0	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>2</b>	<b>93</b>	<b>40</b>	<b>35</b>	<b>170</b>	<b>0</b>	<b>10</b>	<b>9</b>	<b>30</b>	<b>49</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Falls on the flat have only been extracted as from 2018, however, further analysis will include all falls to allow comparison consistency with previous years*

# FALLS – Statistics 2007 - 2018

## Falls per type and percentage of falls on starters

Year	Total			Unseated riders		Horsefalls	
	starters	Falls	%	Falls	%	Falls	%
2007	13,661	781	5.72%	549	4.02%	232	1.70%
2008	14,268	818	5.73%	577	4.04%	241	1.69%
2009	14,206	778	5.48%	533	3.75%	245	1.72%
2010	15,698	783	4.99%	538	3.43%	245	1.56%
2011	16,312	912	5.59%	629	3.86%	283	1.73%
2012	15,456	859	5.56%	579	3.75%	280	1.81%
2013	17,808	937	5.26%	653	3.67%	284	1.59%
2014	19,210	1,073	5.59%	758	3.95%	315	1.64%
2015	20,351	1,140	5.60%	854	4.20%	286	1.41%
2016	19,921	1,064	5.34%	786	3.95%	278	1.40%
2017	20,611	1,101	5.34%	816	3.96%	285	1.38%
2018	20,903	1,123	5.37%	800	3.83%	323	1.55%
period	208,405	11,369	5.46%	8,072	3.87%	3,297	1.58 %
	1everyxstarters		18		26		63

# FALLS – Statistics 2007 - 2018

## Horse falls per type and percentage of type of falls on starters

Year	Total horse falls			Non rotational		Rotational	
	starters	falls	%	Value	%	value	%
2007	13,661	232	1.70%	172	1.26%	60	0.44%
2008	14,268	241	1.69%	198	1.39%	43	0.30%
2009	14,206	245	1.72%	213	1.50%	32	0.23%
2010	15,698	245	1.56%	197	1.25%	48	0.31%
2011	16,312	283	1.73%	251	1.54%	32	0.20%
2012	15,456	280	1.81%	239	1.55%	41	0.27%
2013	17,808	284	1.59%	244	1.37%	40	0.22%
2014	19,210	315	1.64%	277	1.44%	38	0.20%
2015	20,351	286	1.41%	248	1.22%	38	0.19%
2016	19,921	278	1.40%	248	1.24%	30	0.15%
2017	20,611	285	1.38%	249	1.21%	36	0.17%
2018	20,903	323	1.55%	295	1.41%	28	0.13%

period	208,405	3,297	1.58%	2,831	1.36%	466	0.22%
1everyxstarters			63		74		447

# FALLS – Statistics 2018

Horse falls per type of competition and level (percentage on number of starters at the level)

	Non rotational		Rotational		Total horse falls	
		%		%		%
Intro	0	0%	0	0%	0	0%
CIC1*	50	0.80%	9	0.14%	59	0.94%
CIC2*	69	1.38%	1	0.02%	70	1.40%
CIC3*	61	2.17%	8	0.29%	69	2.46%
CCI1*	51	1.34%	4	0.10%	55	1.44%
CCI2*	28	1.74%	1	0.06%	29	1.80%
CCI3*	22	2.64%	2	0.24%	24	2.88%
CCI4*	14	3.50%	3	0.75%	17	4.25%
<b>TOTAL</b>	<b>295</b>	<b>1.41%</b>	<b>28</b>	<b>0.13%</b>	<b>323</b>	<b>1.55%</b>

# FALLS– Statistics 2007 – 2018

## Key Facts

- For 2018, the overall percentage of falls (5.37%) is slightly higher than 2017 (5.34%), it is lower than the 2007-2018 average of 5.46%.
- The number of falls on the flat has increased for 2018, passing from 15.99% in 2017 to 19.50% in 2018. The average over the period is of 10.19%.
- The average for the period is of 3.87 unseated riders for every 100 starters (1 unseated rider every 26 starters) and 1.58 horse falls for every 100 starters (1 horse fall every 63 starters).
- The distribution of falls per competition format shows an established trend with a higher percentage of falls in Long format (CCI) with an average for the period of 4.96% for Short format (CIC) and 6.37% for Long format (CCI).
- Figures for 2018 show a decrease of the percentage of unseated riders. Horse falls have increased from 1.38% in 2017 to 1.55 % in 2018.
- The percentage of horse falls remains below the average of the period.
- The percentage of rotational horse falls (higher risk of injuries for horse and rider) has decreased from 0.44 horse fall every 100 starters (1 rotational horse fall every 228 starters) in 2007 to 0.13 rotational horse fall every 100 starters (1 rotational horse fall every 746 starters) in 2018.





# INJURY

# Statistics 2007 - 2018

# INJURY – Statistics 2007 – 2018

## Falls per type of injury and percentage of injuries on starters

Year	Total starters	No injury		Slight injury			Serious and fatal injuries		
		Falls	%	Falls	Concussions	%	Falls	Concussion	%
2007	13,661	658	4.82%	78		0.57%	45		0.33%
2008	14,268	703	4.93%	75		0.53%	40		0.28%
2009	14,206	679	4.78%	74		0.52%	25		0.18%
2010	15,698	695	4.43%	60		0.38%	28		0.18%
2011	16,312	848	5.20%	37		0.23%	27		0.17%
2012	15,456	785	5.08%	54		0.35%	20		0.13%
2013	17,808	854	4.80%	60		0.34%	23		0.13%
2014	19,210	982	5.11%	59		0.31%	32		0.17%
2015	20,351	1,068	5.25%	40		0.20%	32		0.16%
2016	19,921	1,002	5.03%	36		0.18%	26		0.13%
2017	20,611	988	4.79%	69		0.33%	44		0.21%
2018	20,903	989	4.73%	93	8	0.44%	41	26	0.20%

period	208,405	10,251	4.92%	735		0.35%	383		0.18%
1 everyxstarters			20			284			544
1 everyxfences			630			8,790			16,868

# INJURY – Statistics 2007 – 2018

Distribution of riders seriously/fatally injured per type of all and percentage on falls

Year	Total starters	Unseated riders			Nonrotational horse falls			Rotational horse falls		
		Falls	Seriously injured		Falls	Seriously injured		Falls	Seriously injured	
			Riders	%		riders	%		riders	%
2007	13,661	549	17	3.10%	172	12	6.98%	60	16	26.67%
2008	14,268	577	13	2.25%	199	17	8.54%	42	10	23.81%
2009	14,206	533	11	2.06%	213	7	3.29%	32	7	21.88%
2010	15,698	538	11	2.04%	197	10	5.08%	48	6	12.50%
2011	16,312	629	9	1.43%	251	13	5.18%	32	5	15.63%
2012	15,456	579	7	1.21%	239	8	3.35%	41	5	12.20%
2013	17,808	653	10	1.53%	244	5	2.05%	40	6	15.00%
2014	19,210	758	13	1.72%	277	13	4.69%	38	5	13.16%
2015	20,351	854	13	1.52%	248	12	4.84%	38	6	15.79%
2016	19,921	786	9	1.15%	248	9	3.63%	30	5	16.67%
2017	20,611	816	18	2.21%	249	17	6.83%	36	9	25.00%
2018	20,903	800	15	1.88%	295	21	7.12%	28	5	17.86%

period	208,405	8,072	146	1.81%	2,832	144	5.08%	465	85	18.28%
1everyxfalls				55			20			5

# INJURY – Statistics 2007 – 2018

## Key Facts

- The numbers and statistics in this section need to be assessed with due care as the reporting on injuries has not always been consistent. The reporting of the type of injury sustained was originally left to the fence judge that could only base his judgment on a “first impression” which could often be misleading. An improved follow up procedure on injuries has been implemented as of 2010 in order to have more reliable information on the exact injuries sustained by the riders and horses.
- Therefore, figures from 2010 to 2018 should be considered more reliable, particularly if not compared with the other years. For 2018, out of the 41 serious injuries, 26 were concussions.
- The distribution of falls per competition format shows an established trend with a higher percentage of falls in Long format (CCI) with an average for the period of 4.96% for Short format (CIC) and 6.37% for Long format (CCI).
- Figures for 2018 show a decrease of unseated riders. Horse falls have increased compared to 2017. The percentage of horse falls is below the average of the period.
- Relating the risk of an injury to the number of fences jumped the average of the period shows a risk of a serious injury every 16,868 fences jumped.

# INJURY – Statistics 2007 – 2018

## Key Facts

- Nevertheless the average values for the period indicate 4.92% falls with no injury every 100 starters (1 fall with no injury every 20 starters), 0.35 % falls with slight injury every 100 starters (1 fall with slight injury every 284 starters), 0.18 % falls with serious injury every 100 starters (1 fall with serious injury every 544 starters) and a 0.0058 % fatal falls every 100 starters (1 fatal fall every 17,367 starters)
- The relative risk factors for the different types of falls show clearly that the risk of having a serious injury changes dramatically from the unseated rider for whom, as an average of the period, the risk of having a serious injury is once every 55 falls to the rotational horse falls where the average risk of a serious injury is once every 6 falls.



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**THANK YOU**