



# Eventing Risk Management Programme Statistics 2006 – 2016 (23.02.2017)

# CONTENTS

## COMPETITIONS

**Statistics**  
**2006 - 2016** 01

## STARTERS

**Statistics**  
**2006 - 2016** 05

## FALLS

**Statistics**  
**2006 - 2016** 11

## INJURY

**Statistics**  
**2006 - 2016** 18



# COMPETITIONS

Statistics 2006 – 2016

# COMPETITIONS

## Statistics 2006 – 2016

### Competitions per Competition Level

Year	Total number	1*		2*		3*		4*	
		number	%	number	%	number	%	number	%
2006	404	171	42.3%	150	37.1%	77	19.1%	6	1.5%
2007	408	164	40.2%	148	36.3%	91	22.3%	5	1.2%
2008	428	185	43.2%	160	37.4%	76	17.8%	7	1.6%
2009	433	190	43.9%	155	35.8%	82	18.9%	6	1.4%
2010	478	223	46.7%	159	33.2%	89	18.6%	7	1.5%
2011	567	241	42.5%	214	37.7%	106	18.7%	6	1.1%
2012	524	232	44.3%	180	34.4%	106	20.2%	6	1.1%
2013	563	261	46.4%	191	33.9%	105	18.6%	6	1.1%
2014	619	290	46.8%	219	35.4%	103	16.6%	7	1.1%
2015	684	290	42.4%	257	37.6%	131	19.1%	6	0.9%
2016	671	308	45.9%	224	33.4%	132	19.7%	7	1.0%

# COMPETITIONS

## Statistics 2006 – 2016

### Competitions per Competition Format

Year	Total number	Short Format (CIC)		Long Format (CCI)	
		number	%	number	%
2006	404	239	59.2%	165	40.8%
2007	408	240	58.8%	168	41.2%
2008	428	266	62.1%	162	37.9%
2009	433	273	63.0%	160	37.0%
2010	478	306	64.0%	172	36.0%
2011	567	355	62.6%	212	37.4%
2012	524	347	66.2%	177	33.8%
2013	563	370	65.7%	193	34.3%
2014	619	391	63.2%	228	36.8%
2015	684	457	66.8%	227	33.2%
2016	671	458	68.3%	213	31.7%

# COMPETITIONS

Statistics 2006 – 2016

## Key Facts

---

Total number of competitions has grown by **66% increase** from 2006 to 2016.

---

As from 2011 the total number of competitions include multiple sections.

---

Pony competitions are not included.

The distribution between the competition formats shows for 2016 an increase of Short format (CIC) versus Long format (CCI) with 68% of Short format (CIC) competitions versus 32% of Long format (CCI) competitions as opposed to 59% for Short format (CIC) and 41% for Long format (CCI) in 2006.



# STARTERS

Statistics 2006 – 2016

# STARTERS

Statistics 2006 – 2016

## Starters per Competition Level

Year	Total starters	1*		2*		3*		4*	
		starters	%	Starters	%	starters	%	starters	%
2006	13,660	6,428	47.1%	4,807	35.2%	2,125	15.6%	300	2.2%
2007	13,661	6,563	48.0%	4,388	32.1%	2,464	18.0%	246	1.8%
2008	14,268	7,175	50.3%	4,660	32.7%	2,124	14.9%	309	2.2%
2009	14,206	6,951	48.9%	4,716	33.2%	2,238	15.8%	301	2.1%
2010	15,698	7,702	49.1%	5,183	33.0%	2,417	15.4%	396	2.5%
2011	16,312	7,706	47.2%	5,299	32.5%	2,972	18.2%	335	2.1%
2012	15,456	7,454	48.2%	5,032	32.6%	2,662	17.2%	308	2.0%
2013	17,808	8,925	50.1%	5,675	31.9%	2,874	16.1%	334	1.9%
2014	19,210	9,541	49.7%	6,314	32.9%	2,957	15.4%	398	2.1%
2015	20,351	9,673	47.5%	6,957	34.2%	3,377	16.6%	344	1.7%
2016	19,921	9,874	49.6%	6,306	31.7%	3,373	16.9%	368	1.8%



# STARTERS

## Statistics 2006 – 2016

### Average Starters per Competition Level

Year	Starters	Compet.	All levels Starters	1*	2*	3*	4*
				starters	starters	starters	starters
2006	13,660	404	34	38	32	28	50
2007	13,661	408	33	40	30	27	49
2008	14,268	428	33	39	29	28	44
2009	14,206	433	33	37	30	27	50
2010	15,698	478	33	35	33	27	57
2011	16,312	560	29	33	25	28	56
2012	15,456	511	30	33	28	25	51
2013	17,808	563	32	34	30	27	56
2014	19,210	619	31	33	29	29	57
2015	20,351	668	30	34	28	27	57
2016	19,921	671	30	32	28	26	53

# STARTERS

Statistics 2006 – 2016

## Starters per Competition Format

Year	Total starters	Short Format (CIC)		Long Format (CCI)	
		Starters	%	Starters	%
2006	13,660	7,807	57%	5,853	43%
2007	13,661	7,761	57%	5,900	43%
2008	14,268	8,445	59%	5,823	41%
2009	14,206	8,556	60%	5,650	40%
2010	15,698	9,664	62%	6,034	38%
2011	16,312	10,308	63%	6,004	37%
2012	15,456	10,121	65%	5,335	35%
2013	17,808	11,790	66%	6,018	34%
2014	19,210	12,634	66%	6,576	34%
2015	20,351	14,010	69%	6,341	31%
2016	19,921	13,673	69%	6,248	31%

# STARTERS

Statistics 2006 – 2016

## Average Starters per Competition Format

Year	Short Format (CIC)			Long Format (CCI)		
	Starters	Compet.	Average	Starters	Compet.	Average
2006	7,807	239	<b>33</b>	5,853	165	<b>35</b>
2007	7,761	240	<b>32</b>	5,900	168	<b>35</b>
2008	8,445	266	<b>32</b>	5,823	162	<b>36</b>
2009	8,556	273	<b>31</b>	5,650	160	<b>35</b>
2010	9,664	306	<b>32</b>	6,034	172	<b>35</b>
2011	10,308	352	<b>29</b>	6,004	208	<b>29</b>
2012	10,121	338	<b>30</b>	5,335	173	<b>31</b>
2013	11,790	370	<b>32</b>	6,018	193	<b>31</b>
2014	12,634	391	<b>32</b>	6,576	228	<b>29</b>
2015	14,010	447	<b>31</b>	6,341	221	<b>29</b>
2016	13,673	458	<b>30</b>	6,248	213	<b>29</b>

# STARTERS

Statistics 2006 – 2016

## Key Facts

---

Total number of starters has grown with a **46% increase** from 2006 to 2016. The average number of starters per competition is 31.

---

As from 2011 the total number of competitions include multiple sections.

Distribution of starters per star level remains basically unchanged with an average of 49.6% for one star, 31.7% for two star, 16.9% for three star and 1.8% for four star.

The starters at 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 69 % versus 31% for Long format (CCI) in 2016.



# FALLS

Statistics 2006 – 2016

# FALLS

## Statistics 2006 – 2016

### Total falls per competition level and percentage of total falls on starters

Year	Total			1*		2*		3*		4*	
	starters	falls	%	Falls	%	Falls	%	falls	%	falls	%
2005	12,542	826	6.59%	283	4.59%	335	7.65%	182	10.31%	26	11.45%
2006	13,660	789	5.78%	261	4.06%	288	5.99%	202	9.51%	38	12.67%
2007	13,661	781	5.72%	292	4.45%	277	6.31%	177	7.18%	35	14.23%
2008	14,268	818	5.73%	320	4.46%	285	6.12%	163	7.67%	50	16.18%

Average 2005-2008		5.94%		4.39%		6.50%		8.54%		13.77%
1 every x starters		17		23		15		12		7

Target 2009-2013		5.40%		3.90%		5.78%		7.72%		12.43%
Alert level		10.80%		7.79%		11.56%		15.44%		24.86%

2009	14,206	778	5.48%	328	4.72%	247	5.24%	165	7.37%	38	12.62%
2010	15,698	783	4.99%	312	4.05%	283	5.46%	144	5.96%	44	11.11%
2011	16,312	912	5.59%	314	4.07%	343	6.47%	215	7.23%	40	11.94%
2012	15,456	859	5.56%	364	4.88%	263	5.23%	191	7.18%	41	13.31%
2013	17,808	937	5.26%	416	4.66%	293	5.16%	193	6.72%	35	10.48%

Average 2009-2013		5.37%		4.48%		5.52%		6.90%		11.83%
1 every x starters		19		22		18		14		8

Target 2014-2018		5.40%		3.90%		5.78%		7.72%		12.43%	
Alert level		10.80%		7.79%		11.56%		15.44%		24.86%	
2014	19,210	1,073	5.59%	468	4.91%	330	5.23%	213	7.20%	62	15.58%
2015	20,351	1,140	5.60%	469	4.85%	400	5.75%	235	6.96%	36	10.47%
2016	19,921	1,064	5.34%	466	4.72%	327	5.19%	226	6.70%	45	12.23%

# FALLS

## Statistics 2006 – 2016

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

Year	Total			Short format (CIC)			Long format (CCI)		
	starters	falls	%	starters	Falls	%	starters	falls	%
2005	12,542	826	6.59%	7,779	379	4.87%	4,763	447	9.38%
2006	13,660	789	5.78%	7,807	365	4.68%	5,853	424	7.24%
2007	13,661	781	5.72%	7,761	397	5.12%	5,900	384	6.51%
2008	14,268	818	5.73%	8,445	445	5.27%	5,823	373	6.41%
2009	14,206	778	5.48%	8,556	427	4.99%	5,650	351	6.21%
2010	15,698	783	4.99%	9,664	409	4.23%	6,034	374	6.20%
2011	16,312	912	5.59%	10,308	538	5.22%	6,004	374	6.23%
2012	15,456	859	5.56%	10,121	521	5.15%	5,335	338	6.34%
2013	17,808	937	5.26%	11,790	537	4.55%	6,018	400	6.65%
2014	19,210	1,073	5.59%	12,634	621	4.92%	6,576	452	6.87%
2015	20,351	1,140	5.60%	14,010	726	5.18%	6,341	414	6.53%
2016	19,921	1,064	5.34%	13,673	691	5.05%	6,248	373	5.97%

period	180,551	9,934	5.50%	114,769	5,677	4.95%	65,782	4,257	6.47%
	1 every x starters		18			20			15

# FALLS

Statistics 2006 – 2016

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

Year	Totalfalls	At fences		On the flat	
		falls	%	Falls	%
2006	789	761	96.45%	28	3.55%
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%
period	9,934	9,143	92.04%	791	7.96%



# FALLS

## Statistics 2006 – 2016

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

Year	Total			Unseated riders		Horse falls	
	starters	falls	%	Falls	%	falls	%
2006	13,660	789	5.78%	549	4.02%	240	1.76%
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%

period	180,551	9,934	5.50	7,005	3.88%	2,929	1.62
	1 every x starters		18		26		62

# FALLS

## Statistics 2006 – 2016

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

Year	Total horse falls			Non rotational		Rotational	
	starters	falls	%	Value	%	value	%
2006	13,660	240	1.76%	189	1.38%	51	0.37%
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%

period	180,551	2,929	1.62%	2,476	1.37%	453	0.25%
1 every x starters			62		73		399

# FALLS

Statistics 2006 – 2016

## Key Facts

---

For 2016, the overall percentage of falls (5.34%) has decreased compared to 2015 (5.60%), it is slightly lower than the 2010-2014 average of 5.40%.

---

The number of falls on the flat has increased for 2016, passing from 12.19% in 2015 to 12.78% in 2016. The average over the period is of 7.96%.

The average for the period is of 3.88 unseated riders for every 100 starters (1 unseated rider every 26 starters) and 1.62 horse falls for every 100 starters (1 horse fall every 62 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 4.95% for Short format (CIC) and 6.47% for Long format (CCI).

Figures for 2016 show a decrease of the percentage of unseated riders. Horse falls have also slightly decreased from 1.41% in 2015 to 1.40% in 2016.

The percentage of horse falls is below the average of the period.

---

The percentage of rotational horse falls (higher risk of injuries for horse and rider) has decreased from 0.37 horse fall every 100 starters (1 rotational horse fall every 268 starters) in 2006 to 0.15 rotational horse fall every 100 starters (1 rotational horse fall every 664 starters) in 2016.



# INJURY

## Statistics 2005 – 2016

# INJURY

## Statistics 2005 – 2016

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

Year	Total starters	No injury		Slight injury		Serious and fatal injuries	
		falls	%	falls	%	falls	%
2006	13,660	680	4.98%	73	0.53%	36	0.26%
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%

period	180,551	8,954	4.96%	646	0.36%	334	0.18%
1 every x starters			20		279		541
1 every xfences			625		8,664		16,758

# INJURY

## Statistics 2005 – 2016

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

Year	Total starters	Unseated riders			Non rotational horse falls			Rotational horse falls		
		Falls	Seriously injured		Falls	Seriously injured		Falls	Seriously injured	
			riders	%		riders	%		riders	%
2006	13,660	549	10	1.82%	189	14	7.41%	51	12	23.53%
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%
<b>period</b>	<b>180,551</b>	<b>7,005</b>	<b>123</b>	<b>1.76%</b>	<b>2,477</b>	<b>120</b>	<b>4.84%</b>	<b>452</b>	<b>83</b>	<b>18.36%</b>
	<b>1 every x falls</b>			<b>57</b>			<b>21</b>			<b>5</b>

# INJURY

Statistics 2005 – 2016

## 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 2016 should be considered more reliable, particularly if not compared with the other years. 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 4.95% for Short format (CIC) and 6.47% for Long format (CCI).

Nevertheless the average values for the period indicate 4.96% falls with no injury every 100 starters (1 fall with no injury every 20 starters), 0.36 % falls with slight injury every 100 starters (1 fall with slight injury every 279 starters), 0.18 % falls with serious injury every 100 starters (1 fall with serious injury every 562 starters) and a 0.0072 % fatal falls every 100 starters (1 fatal fall every 13,889 starters)

# INJURY

Statistics 2005 – 2016

## Key Facts

---

Figures for 2016 show a decrease of the percentage of unseated riders. Horse falls have also slightly decreased compared with 2015. 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 17,436 fences jumped.

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 57 falls to the rotational horse falls where the average risk of a serious injury is once every 5 falls.





[www.fei.org](http://www.fei.org)