

## **Reports 2004 – 2011**

- Competitions Statistics 2004 - 2011
- Starters Statistics 2004 - 2011
- Falls Statistics 2004 - 2011
- Injury Statistics 2004 - 2011

## Competitions Statistics 2004 - 2011

Competitions per Competition Level									
Year	Total number	1*		2*		3*		4*	
		number	%	number	%	number	%	number	%
2004	<b>318</b>	129	40,6%	122	38,4%	62	19,5%	5	1,6%
2005	<b>369</b>	168	45,5%	136	36,9%	60	16,3%	5	1,4%
2006	<b>404</b>	171	42,3%	150	37,1%	77	19,1%	6	1,5%
2007	<b>408</b>	164	40,2%	148	36,3%	91	22,3%	5	1,2%
2008	<b>428</b>	185	43,2%	160	37,4%	76	17,8%	7	1,6%
2009	<b>433</b>	190	43,9%	155	35,8%	82	18,9%	6	1,4%
2010	<b>478</b>	223	46,7%	159	33,2%	89	18,6%	7	1,5%
2011	<b>567</b>	241	42,5%	214	37,7%	106	18,7%	6	1,1%

- **as from 2011 the total number of competitions include double sections. 22 competitions were double sections.**
- Total number of competitions increased in 8 years by 72% from 318 to 545 (without the double sections to compare with previous years).
- Distribution of competitions per star level remained basically unchanged with an average of 43,2% for one star, 36,5% for two star, 18,9% for three star and only 1,4% for four star. Approximately 80% of the competitions are held at 1 and 2 star level.

Competitions per Competition Format					
Year	Total number	CICs		CCIs	
		number	%	number	%
2004	<b>318</b>	220	69,2%	98	30,8%
2005	<b>369</b>	245	66,4%	124	33,6%
2006	<b>404</b>	239	59,2%	165	40,8%
2007	<b>408</b>	240	58,8%	168	41,2%
2008	<b>428</b>	266	62,1%	162	37,9%
2009	<b>433</b>	273	63,0%	160	37,0%
2010	<b>478</b>	306	64,0%	172	36,0%
2011	<b>567</b>	355	62,6%	212	37,4%

- Within the overall increased number of competitions the distribution between format shows an average of 63,0% CICs and 37,0 % CCIs.

## Starters Statistics 2004 – 2011

*Number of competitions processed for 2011 is 560 out of 567 (1,23% unprocessed for lack of information). All the following figures (starters, falls, injuries, etc.) relate to that dataset.*

Starters per Competition Level									
Year	Total starters	1*		2*		3*		4*	
		starters	%	Starters	%	starters	%	starters	%
2004	<b>11'644</b>	5'100	43,8%	4'301	36,9%	1'961	16,8%	282	2,4%
2005	<b>12'542</b>	6'170	49,2%	4'380	34,9%	1'765	14,1%	227	1,8%
2006	<b>13'660</b>	6'428	47,1%	4'807	35,2%	2'125	15,6%	300	2,2%
2007	<b>13'661</b>	6'563	48,0%	4'388	32,1%	2'464	18,0%	246	1,8%
2008	<b>14'268</b>	7'175	50,3%	4'660	32,7%	2'124	14,9%	309	2,2%
2009	<b>14'206</b>	6'951	48,9%	4'716	33,2%	2'238	15,8%	301	2,1%
2010	<b>15'698</b>	7'702	49,1%	5'183	33,0%	2'417	15,4%	396	2,5%
2011	<b>16'312</b>	7'706	47,2%	5'299	32,5%	2'972	18,2%	335	2,1%

Total number of starters increased in 8 years by 40,1% from 11'644 to 16'312.

The 2011 unprocessed competitions are:

- CIC2\*/CCI1\* Guatemala (GUA), 28-30 January 2011
- CCI2\*/CCI1\*/CCIYH2\*/CICYH1\* Osberton (GBR), 29 September – 2 October 2011
- CIC1\* Pattaya (THA), 7 – 9 October 2011

- Distribution of starters per star level remained basically unchanged with an average of 48,1% for one star, 33,8% for two star, 15,8% for three star and 2,2% 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 take up 82% of the total number of starters.

Average starters per Competition Level							
Year	Starters	Compet.	All levels Starters	1*	2*	3*	4*
				starters	starters	starters	starters
2004	11'644	318	<b>37</b>	40	35	32	56
2005	12'542	369	<b>34</b>	37	32	29	45
2006	13'660	404	<b>34</b>	38	32	28	50
2007	13'661	408	<b>33</b>	40	30	27	49
2008	14'268	428	<b>33</b>	39	29	28	44
2009	14'206	433	<b>33</b>	37	30	27	50
2010	15'698	478	<b>33</b>	35	33	27	57
2011	16'312	560	<b>29</b>	33	25	28	56

- Average number of starters remains quite stable for all levels with an average of 34 for one star, 29 for two star, 26 for three star and 49 for four star.

Starters per Competition Format					
Year	Total starters	CICs		CCIs	
		starters	%	starters	%
2004	<b>11'644</b>	8'087	69%	3'557	31%
2005	<b>12'542</b>	7'779	62%	4'763	38%
2006	<b>13'660</b>	7'807	57%	5'853	43%
2007	<b>13'661</b>	7'761	57%	5'900	43%
2008	<b>14'268</b>	8'445	59%	5'823	41%
2009	<b>14'206</b>	8'556	60%	5'650	40%
2010	<b>15'698</b>	9'664	62%	6'034	38%
2011	<b>16'312</b>	10'308	63%	6'004	37%

- Within the overall increased number of starters the distribution between format shows a stabilized trend of approximately 61% CICs and 39% CCIs.

Average starters per Competition Format						
Year	CICs			CCIs		
	Starters	Compet.	Average	Starters	Compet.	Average
2004	8'087	220	<b>37</b>	3'557	98	<b>36</b>
2005	7'779	245	<b>32</b>	4'763	124	<b>38</b>
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>

Average number of starters shows for the first time in 2011 a decrease both for CICs (30) and CCIs (33).

## Falls Statistics 2004 - 2011

Total falls per competition level and percentage of total falls on starters											
Year	Total			1*		2*		3*		4*	
	starters	falls	%	falls	%	falls	%	falls	%	falls	%
2004	11'644	700	6,01%	204	4,00%	261	6,07%	172	8,77%	63	22,34%
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%
<b>Average 2004-2008</b>			<b>5,95%</b>		4,33%		6,42%		8,58%		15,54%
<b>1 every x starters</b>			<b>17</b>		23		16		12		6
<b>Target 2009-2013</b>			<b>5,40%</b>		3,90%		5,78%		7,72%		12,43%
<b>Alert level</b>			<b>10,80%</b>		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%
<b>Average 2009-2011</b>			<b>5,35%</b>		4,26%		5,74%		6,87%		11,82%
<b>1 every x starters</b>			<b>19</b>		23		17		15		8

- For 2011, the overall percentage of falls has increased compared to 2010, it remains lower than the average 2004-2008. The average of 2009-2011 is still just within the target. **To be monitored specifically at two and three star levels.**
- The fulfillment of target set for the average of the period 2009-2013 looks reasonably achievable if the trend shown in the first three years (2009-2011) can be maintained. All indicators, a part from the one star level, look in target after the first three years.

17 April 2012

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

Year	Total			CICs			CCIs		
	starters	falls	%	starters	falls	%	starters	falls	%
2004	11'644	700	6,01%	8'087	399	4,93%	3'557	301	8,46%
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%

period	111'991	6'387	5,70%	68'407	3'359	4,91%	43'584	3'028	6,95%
<b>1 every x starters</b>			<b>18</b>			<b>20</b>			<b>14</b>

- Within the overall decrease of falls the distribution of falls per competition format shows a clear trend in having a higher percentage of falls in CCIs with an average of the period of 4,91% for CICs and 6,95% for CCIs.

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

Year	Total falls	At fences		On the flat	
		falls	%	falls	%
2004	700	680	97,14%	20	2,86%
2005	826	804	97,34%	22	2,66%
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%

period	6'387	6'067	94,99%	320	5,01%
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- The number of falls on the flat in 2010 and 2011 shows a considerable increase in value and percentage relating to a more accurate collection of information on that type of falls.

17 April 2012

Falls per type and percentage of falls on starters							
Year	Total			Unseated riders		Horse falls	
	starters	falls	%	falls	%	falls	%
2004	11'644	700	6,01%	465	3,99%	235	2,02%
2005	12'542	826	6,59%	576	4,59%	250	1,99%
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%

period	111'994	6'387	5,70%	4'416	3,94%	1'971	1,76%
	<b>1 every x starters</b>		<b>18</b>		<b>25</b>		<b>57</b>

Figures from 2011 show an equal increase in the percentage for unseated riders and horse falls. **Such figures are still in line with the average of the period, but must be closely monitored.**

The average for the period is of 3,94 unseated riders every 100 starters (1 unseated rider every 25 starters) and 1,76 horse falls every 100 starters (1 horse fall every 57 starters).

Horse falls per type and percentage of type of falls on starters							
Year	Total horse falls			Non rotational		Rotational	
	starters	falls	%	value	%	value	%
2004	11'644	235	2,02%	176	1,51%	59	0,51%
2005	12'542	250	1,99%	194	1,55%	56	0,45%
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%

period	111'991	1'971	1,76%	1'590	1,42%	381	0,34%
	<b>1 every x starters</b>		<b>57</b>		<b>70</b>		<b>294</b>

- Within the increase of overall horse falls in 2011, the distribution between non rotational and rotational shows still a positive trend in the diminution of rotational horse falls.
- The percentage of rotational horse falls (higher risk of injuries for horse and rider) has decreased from 0,51 horse fall every 100 starters (1 rotational horse fall every 197 starters) in 2004 to 0,20 rotational horse fall every 100 starters (1 rotational horse fall every 500 starters) in 2011.

## Injury statistics 2004 - 2011

Falls per type of injury and percentage of injuries on starters									
Year	Total starters	No injury		Slight injury		Serious injury		Fatal	
		falls	%	falls	%	falls	%	falls	%
2004	<b>11'644</b>	592	5,08%	77	0,66%	30	0,26%	1	0,0086%
2005	<b>12'542</b>	694	5,53%	97	0,77%	35	0,28%	0	0,0000%
2006	<b>13'660</b>	680	4,98%	73	0,53%	34	0,25%	2	0,0146%
2007	<b>13'661</b>	658	4,82%	78	0,57%	43	0,31%	2	0,0146%
2008	<b>14'268</b>	703	4,93%	75	0,53%	39	0,27%	1	0,0070%
2009	<b>14'206</b>	679	4,78%	74	0,52%	25	0,18%	0	0,0000%
2010	<b>15'698</b>	695	4,43%	60	0,38%	27	0,17%	1	0,0064%
2011	<b>16'312</b>	848	5,20%	37	0,23%	27	0,17%	0	0,0000%

period	111'991	5'549	4,95%	571	0,51%	260	0,23%	7	0,0062%
<b>1 every x starters</b>		<b>20</b>		<b>196</b>		<b>431</b>		<b>15'999</b>	
<b>1 every x fences</b>		<b>595</b>		<b>5'779</b>		<b>12'692</b>		<b>471'429</b>	

**7 riders suffered fatal accidents in FEI competition in past 8 years with more than 3.3 million of XC fences jumped**

- This and the following table need to be taken with care as the reporting on injuries has not always been sufficiently 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 from 2010 in order to have more reliable information on the exact injuries sustained by riders and horses. Figures from 2010 and 2011 should be more reliable, especially if not compared with the other years.
- Nevertheless the average values for the period indicate 4,95 falls with no injury every 100 starters (1 fall with no injury every 20 starters), 0,51 % falls with slight injury every 100 starters (1 fall with slight injury every 196 starters), 0,23 falls with serious injury every 100 starters (1 fall with serious injury every 431 starters) and a 0,0062 fatal falls every 100 starters (1 fatal fall every 15'999 starters).
- 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 12'692 fences jumped.



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	%
2004	<b>11'644</b>	465	7	1,51%	176	10	5,68%	59	14	23,73%
2005	<b>12'542</b>	576	10	1,74%	194	9	4,64%	56	16	28,57%
2006	<b>13'660</b>	549	10	1,82%	189	14	7,41%	51	12	23,53%
2007	<b>13'661</b>	549	17	3,10%	172	12	6,98%	60	16	26,67%
2008	<b>14'268</b>	577	13	2,25%	199	17	8,54%	42	10	23,81%
2009	<b>14'206</b>	533	11	2,06%	213	7	3,29%	32	7	21,88%
2010	<b>15'698</b>	538	11	2,04%	197	10	5,08%	48	6	12,50%
2011	<b>16'312</b>	629	9	1,43%	251	13	5,18%	32	5	15,62%
period	111'991	4'416	88	<b>1,99%</b>	1'591	92	<b>5,78%</b>	380	86	<b>22,63%</b>
<b>1 every x starters</b>				<b>50</b>			<b>17</b>			<b>4</b>

- The relative risk factors for the different type of falls show clearly that the risk of having a serious injury changes dramatically from the unseated rider for which, as an average of the period, the risk of having a serious injury is once every 50 falls to the rotational horse falls where the average risk of a serious injury is once every 4 falls.