

Reports 2004 – 2012

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Competitions Statistics 2004 - 2012

Competitions per Competition Level									
Year	Total number	1*		2*		3*		4*	
		number	%	number	%	number	%	number	%
2004	318	129	40,6%	122	38,4%	62	19,5%	5	1,6%
2005	369	168	45,5%	136	36,9%	60	16,3%	5	1,4%
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%

- **as from 2011 the total number of competitions include double sections. For 2012, 18 competitions were double sections.**
- Total number of competitions increased in 9 years by 59% from 318 to 506 (without the double sections to compare with previous years).
- Distribution of competitions per star level remained basically unchanged with an average of 43,3% for one star, 36,2% for two star, 19,1% for three star and only 1,3% 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	318	220	69,2%	98	30,8%
2005	369	245	66,4%	124	33,6%
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%

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

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Starters Statistics 2004 – 2012

Number of competitions processed for 2012 is 511 out of 524 (2,48% 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	11'644	5'100	43,8%	4'301	36,9%	1'961	16,8%	282	2,4%
2005	12'542	6'170	49,2%	4'380	34,9%	1'765	14,1%	227	1,8%
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%

Total number of starters increased in 9 years by 32,7% from 11'644 to 15'456.

The 2012 unprocessed (13) competitions are:

- CIC3*/CCI2*/CCI1*/CIC1* Jardy (FRA), 03-06 May 2012
- CCI1* Campo de Mayo (ARG), 26-28 May 2012
- CIC1*/CIC1* Camden (AUS), 26-27 May 2012
- CIC2*/CCI1* Starum (NOR), 12-15 July 2012
- CIC1* Altensteig (GER), 10-12 August 2012
- CIC3* Waregem (BEL), 27-30 September 2012
- CIC1* Mechtersen (GER), 29-30 September 2012
- CIC2* Waerenga (NZL), 10-11 November 2012

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- Distribution of starters per star level remained basically unchanged with an average of 48,1% for one star, 33,6% for two star, 16,3% for three star and 2,1% 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 80% of the total number of starters.

Average starters per Competition Level							
Year	Starters	Compet.	All levels Starters	1* starters	2* starters	3* starters	4* starters
2004	11'644	318	37	40	35	32	56
2005	12'542	369	34	37	32	29	45
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

- Average number of starters remains quite stable for all levels with an average of 36 for one star, 30 for two star, 28 for three star and 51 for four star.

Starters per Competition Format					
Year	Total starters	CICs		CCIs	
		Starters	%	starters	%
2004	11'644	8'087	69%	3'557	31%
2005	12'542	7'779	62%	4'763	38%
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%

- Within the overall increased number of starters the distribution between format shows a stabilized trend of approximately 62% CICs and 38% CCIs.

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Average starters per Competition Format						
Year	CICs			CCIs		
	Starters	Compet.	Average	Starters	Compet.	Average
2004	8'087	220	37	3'557	98	36
2005	7'779	245	32	4'763	124	38
2006	7'807	239	33	5'853	165	35
2007	7'761	240	32	5'900	168	35
2008	8'445	266	32	5'823	162	36
2009	8'556	273	31	5'650	160	35
2010	9'664	306	32	6'034	172	35
2011	10'308	352	29	6'004	208	29
2012	10'121	338	30	5'335	173	31

Average number of starters have increased for both CICs and CCIs passing from 29 in 2011 to 30 in 2012 for CICs and from 29 in 2011 to 31 in 2012 for CCIs.

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Falls Statistics 2004 - 2012

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%

Average 2004-2008	5,95%		4,33%		6,42%		8,58%		15,54%
1 every x starters	17		23		16		12		6

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%
Average 2009-2012			5,40%		4,42%		5,62%		6,95%		12,16%
1 every x starters			19		23		18		14		8

- For 2012, the overall percentage of falls has increased compared to 2011, it remains lower than the average 2004-2008. The average of 2009-2012 is just on the target. **To be monitored specifically at one and four star levels.**
- The fulfillment of target set for the average of the period 2009-2013 looks reasonably achievable providing the trend shown in the first four years (2009-2012) can be maintained and slightly lowered for 2013. All indicators, a part from the one star level, look in target after the first four years.

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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%
2012	15'456	859	5,56%	10'121	521	5,15%	5'335	338	6,34%
period	127'447	7'246	5,69%	78'528	3'880	4,94%	48'919	3'366	6,88%
1 every x starters			18			20			15

- 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 4,94% for CICs and 6,88% 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%
2012	859	816	94,99%	43	5,01%
period	7'246	6'883	95%	363	5%

- The number of falls on the flat is lower than for 2010 and 2011. The average over the period is of 5 %.

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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%
2012	15'456	859	5,56%	579	3,75%	280	1,81%

period	127'477	7'246	5,69%	4'995	3,92%	2'251	1,77%
1 every x starters		18		26		57	

Figures for 2012 show a decrease of the percentage of unseated riders however, the percentage of horse falls have increased. **The percentage of horse falls is above the average of the period and must be closely monitored.**

The average for the period is of 3,92 unseated riders every 100 starters (1 unseated rider every 26 starters) and 1,77 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%
2012	15'456	280	1,81%	239	1,55%	41	0,27%

period	127'477	2'251	1,77%	1'829	1,44%	422	0,33%
1 every x starters		57		70		302	

- The number of horse falls has increased in the last two years, the distribution between non rotational and rotational shows an increase of rotational horse falls in 2012, however the percentage remains lower than the average.
- 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 0,27 rotational horse fall every 100 starters (1 rotational horse fall every 302 starters) in 2012.

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Injury statistics 2004 - 2012

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	11'644	592	5,08%	77	0,66%	30	0,26%	1	0,0086%
2005	12'542	694	5,53%	97	0,77%	35	0,28%	0	0,0000%
2006	13'660	680	4,98%	73	0,53%	34	0,25%	2	0,0146%
2007	13'661	658	4,82%	78	0,57%	43	0,31%	2	0,0146%
2008	14'268	703	4,93%	75	0,53%	39	0,27%	1	0,0070%
2009	14'206	679	4,78%	74	0,52%	25	0,18%	0	0,0000%
2010	15'698	695	4,43%	60	0,38%	27	0,17%	1	0,0064%
2011	16'312	848	5,20%	37	0,23%	27	0,17%	0	0,0000%
2012	15'456	785	5,08%	54	0,35%	20	0,13%	0	0,0000%

period	127'447	6'334	4,97%	625	0,49%	280	0,22%	7	0,0055%
1 every x starters		20		204		455		18'207	
1 every x fences		584		5'920		13'214		528'571	

7 riders suffered fatal accidents in FEI competition in past 9 years with more than 3.7 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 to 2012 should be more reliable, especially if not compared with the other years.
- Nevertheless the average values for the period indicate 4,97 falls with no injury every 100 starters (1 fall with no injury every 20 starters), 0,49 % falls with slight injury every 100 starters (1 fall with slight injury every 204 starters), 0,22 falls with serious injury every 100 starters (1 fall with serious injury every 455 starters) and a 0,0055 fatal falls every 100 starters (1 fatal fall every 18'207 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 13'214 fences jumped.

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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	11'644	465	7	1,51%	176	10	5,68%	59	14	23,73%
2005	12'542	576	10	1,74%	194	9	4,64%	56	16	28,57%
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	15,62%
2012	15'456	579	7	1,21%	239	8	3,35%	41	5	12,20%

period	127'447	4'995	95	1,90%	1'830	100	5,46%	421	91	21,62%
1 every x starters				53			18			5

- 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 53 falls to the rotational horse falls where the average risk of a serious injury is once every 5 falls. The risk of having a serious injury has decreased for all type of falls. As already commented this might be due also to the better reporting system on injuries implemented from 2010 onwards.