

Appendix 5: Characteristics of the studies included in the meta-analysis.

Reference	Study	N° Teams	Exposure (hours)			Injuries			Incidence			STROBE (reporting) quality	NOS (methodological) quality
Country / Tournament	Duration*	(Players)	Overall	Training	Match	Overall	Training	Match	Overall	Training	Match		
Almutawa et al. ^{35F} <i>Yemen/Saudi NT – 2010</i>	4	1 (31)	1901.1	1785.6	115.5	18	8	10	9.5	4.5	86.6	High Quality	6
Almutawa et al. ^{35F} <i>Qatar/Saudi NT – 2011</i>	4	1 (32)	1481.4	1382.4	99	26	8	10	17.6	11.6	101	High Quality	6
Andersen et al. ³⁶ <i>Norway – 2000</i>	39	- (330)	-	-	5742	-	10	121	-	-	21.5	High Quality	7
Arnason et al. ³⁷ <i>Iceland – 1991</i>	39	5 (84)	6854.84	-	-	85	9	-	12.4	5.9	34.8	High Quality	8
Arnason et al. ¹⁰ <i>Iceland – 1999</i>	39	17 -	33839	-	-	244	9	-	7.2	-	-	High Quality	7
Arnason et al. ³⁸ Control <i>Iceland – 2000</i>	39	8 (144)	14617	11773	2844	96	9	74	6.6	1.9	26.9	Low Quality	7
Bayne et al. ³⁹ <i>South Africa – 2015</i>	40	2 (56)	20361	19272	1089	33	9	18	1.6	0.8	16.5	High Quality	7
Bjørneboe et al. ^{40F} <i>Norway – 2002</i>	234	14 -	494157	-	-	2365	8	-	4.8	-	-	High Quality	6
Calligeris et al. ⁴¹ <i>South Africa</i>	39	1 (32)	9701	6515	754	130	10	67	13.4	6.6	88.9	High Quality	8
Carling et al. ^{42F} <i>France – 2009</i>	195	1 (130)	52513	47000	5513	372	141	231	7.1	3	41.9	High Quality	7
Carling et al. ^{43F} <i>France – 2005</i>	156	1 (124)	-	-	3246.7	-	9	130	-	-	40.5	High Quality	7
Dupont et al. ^{44F} <i>Scotland – 2007</i>	78	1 (32)	18495	16339	2156	165	60	105	8.9	3.7	48.7	High Quality	8
Dvorak, et al. ^{45F} <i>South Africa/WC – 2010</i>	4	32 (736)	15206	13160	2046	140	58	82	9.2	4.4	40.1	High Quality	6
Dvorak et al. ^{46F} <i>Germany/WC - 2006</i>	4	32 (736)	-	-	2112	-	-	145	-	-	45.9	Low Quality	5
Eirale et al. ^{47F} <i>Qatar NT – 2007</i>	68	1 (36)	10043	9482	561	78	41	37	7.8	4.3	65.4	High Quality	8
Eirale et al. ^{48F} <i>Qatar – 2008</i>	117	5 (527)	164434	142230	22206	826	462	364	5	3.1	16.4	High Quality	7
Ekstrand & Tropp ⁴⁹ (a) <i>Sweden</i>	39	9 (135)	30554	23241	7313	261	107	159	8.6	4.6	21.8	Low Quality	7
Ekstrand & Tropp ⁴⁹ (b) <i>Sweden</i>	39	12 (180)	33652	24499	7219	288	125	135	8.5	5.1	21.8	Low Quality	7
Ekstrand et al. ¹¹ <i>Sweden NT – 1991</i>	234	1 -	7245	6235	1010	71	40	31	10	6.5	30.3	Low Quality	7
Ekstrand et al. ^{21F} <i>European teams – 2003</i>	195	15 -	218265	-	-	1791	-	-	8.2	-	-	High Quality	7

Engström et al. ⁵⁰ Sweden	39	3 (64)	17000	14592	3136	85	44	41	5	3	13	Low Quality	7
Fünten et al. ^{51F} Germany – 2008	34	7 (254)	48324	42932	5483	300	141	159	6.2	3.3	29	High Quality	7
Gouttebauge et al. ^{52F} Australia – 2008	195	49 (1127)	-	-	10791	-	-	845	-	-	78.3	High Quality	8
Hägglund et al. ¹² (a) Sweden – 1982	39	8 (118)	27966	21476	6490	236	99	137	8.3	4.6	20.6	High Quality	7
Hägglund et al. ⁵³ Denmark – 2001	39	8 (188)	27321	23095	4226	395	271	124	14.4	11.8	28.2	High Quality	7
Hägglund et al. ²³ (a) ^F Austria-Switzerland/EC - 2008	2	16 (367)	5368	4310	1058	56	12	44	10.4	2.8	41.6	High Quality	7
Hägglund et al. ²³ (b) ^F Portugal/EC U21 – 2006	1	8 (176)	1589	1076	513	22	5	17	13.8	4.6	33.1	High Quality	7
Hägglund et al. ²³ (c) ^F Netherland /EC U21 - 2007	1	8 (182)	2321	1774	548	25	6	19	10.8	3.4	37.4	High Quality	7
Hägglund et al. ²³ (d) ^F Polonia/EC U19 - 2006	1	8 (144)	1253	762	490	8	0	8	6.4	0	16.3	High Quality	7
Hägglund et al. ²³ (e) ^F Austria/EC U19 - 2007	1	8 (147)	1158	654	504	15	1	14	13	1.5	27.8	High Quality	7
Hägglund et al. ²³ (f) ^F Czech Republic/EC U19 - 2008	1	8 (145)	1461	957	504	15	2	13	10.3	2.1	25.8	High Quality	7
Hägglund et al. ⁵⁴ (a) ^F European teams - 2001	546	43 (6956)	1613792	1356420	257372	11581	5154	6512	7.2	3.8	25.3	High Quality	8
Hägglund et al. ⁵⁴ (b) ^F European teams - 2001	351	19 (2014)	521626	453150	68476	3836	2220	1609	7.4	4.9	23.5	High Quality	8
Hassabi et al. ⁵⁵ Iran – 2005	16	1 (21)	2610	-	-	50	-	-	19.2	-	-	Low Quality	7
Hawkins & Fuller ⁵⁶ United States/WC - 1994	4	24 (412)	-	-	1657	-	-	104	-	-	67.8	Low Quality	5
Hawkins & Fuller ¹⁵ England - 1994	407	4 (138)	68000	55000	15096.5	578	187	391	8.5	3.4	25.9	High Quality	7
Junge & Dvořák ³⁷ (a) FIFA U20 WC	21	-	-	-	12012	-	-	314	-	-	26.1	High Quality	6
Junge & Dvořák ³⁷ (b) FIFA Confederation Tournaments	10	-	-	-	2640	-	-	51	-	-	19.3	High Quality	6
Junge & Dvořák ³⁷ (c) FIFA Club World Tournaments	13.5	-	-	-	2541	-	-	81	-	-	31.9	High Quality	6
Junge & Dvořák ²⁰ Brazil/WC - 2014	4	32 (736)	-	-	2046	-	-	60	-	-	29.3	High Quality	6
Junge et al. ¹⁸ (a) France/WC - 1998	4	32 (736)	-	-	2046	-	-	149	-	-	72.8	High Quality	7
Junge et al. ¹⁸ (b) Sydney/OG - 2000	2	16 -	-	-	1023	-	-	52	-	-	50.8	High Quality	7

Junge et al. ¹⁷ Korea-Japan/WC - 2002	4	16 (736)	-	-	2112	-	-	107	-	-	50.7	Low Quality	6
Kristenson et al. ^{58F} Norway-Sweden -2010	78	33 (1044)	367490	318568	48922	2241	1178	1063	6.1	3.7	21.7	High Quality	7
Larruskain et al. ⁵⁹ Spain – 2010	195	1 (50)	38878	33487	5391	323	160	161	8.3	4.8	29.9	High Quality	8
Lee et al. ^{60F} Hong-Kong - 2010	39	7 (152)	39768.5	37143	2717	296	130	166	7.4	3.5	61.1	High Quality	8
Nielsen & Yde ⁶¹ Denmark – 1896	39	2 (34)	10541	757	9784	37	14	23	3.5	2.3	18.5	Low Quality	6
Noya et al. ^{62F} Spain - 2008	39	16 (427)	228743	216705	12038	1293	769	524	5.7	3.6	43.5	High Quality	8
Noya et al. ^{63F} Spain – 2008	39	11 (301)	161602.7	153567.2	8035.5	891	579	312	5.5	3.8	38.8	High Quality	8
Pedrinelli et al. ⁶⁴ Argentina/AmC - 2011	4	12 (276)	-	-	891	-	-	63	-	-	70.7	High Quality	6
Poulsen et al. ⁶⁵ Denmark - 1986	39	1 (19)	4199	3440	759	29	14	15	6.9	4.1	19.8	Low Quality	6
Reis et al. ^{66F} Brazil	48	1 (48)	16077	15120	957	70	29	41	4.4	2.4	42.8	High Quality	8
Shalaj et al. ^{67F} Kosovo - 2003	39	11 (143)	36833	31998	4834	272	101	171	7.4	3.2	35.4	High Quality	8
Stubbe et al. ^{68F} Netherland - 2009	39	8 (217)	46194	41012	5182	286	116	170	6.2	2.8	32.8	High Quality	8
Waldén et al. ¹⁹ (a) ^F Portugal/EC - 2004	3	16 (368)	4742	3694	1048	45	7	38	10.1	2.1	36	High Quality	6
Waldén et al. ¹⁹ (b) ^F Ireland/ EC U19 - 2005	5	8 (144)	1394	899	405	17	2	15	13.4	2.9	30.4	High Quality	6

^F Study was implemented according to the 2006 consensus statement for epidemiological studies in soccer.

(a);(b);(c): indicate different cohorts in the same study.

*: study duration expressed in number of weeks.

AmC: American Tournament; EC: Europe Tournament; NT: National team; OG: Olympic Games; U: Under; WC: World Tournament.