

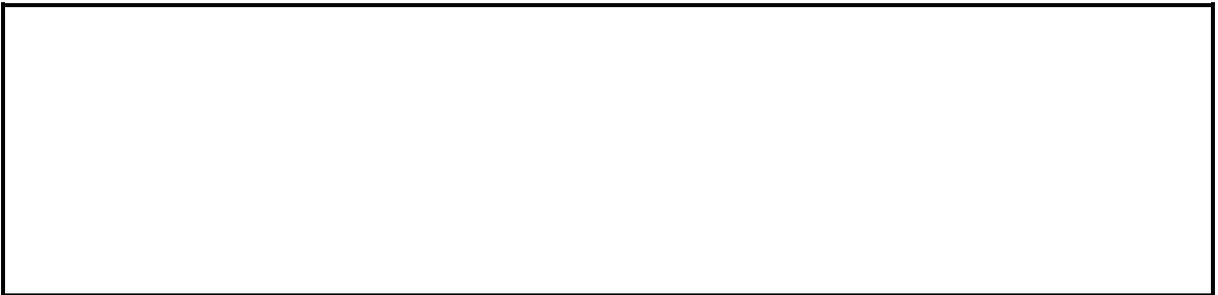
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1 **A Scoping Review of the Potential Sociological Predictors of Talent**  
2 **in Junior-elite Football: 2000-2016**

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7 **Provide short biographical notes on all contributors here if the journal requires them.**

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23 **A Scoping Review of the Potential Sociological Predictors of Talent**  
24 **in Junior-elite Football: 2000-2016**

25

26 **Abstract**

27 The purpose of this scoping review was to examine the potential  
28 sociological predictors for identifying talent in junior-elite football. Four  
29 academic databases were searched using a systematic search strategy and  
30 nine eligibility criteria were applied to ensure only relevant studies were  
31 included in the review. A total of 1,107 potential studies were returned for  
32 the review, however 1,083 did not meet the eligibility criteria and a further  
33 12 articles were excluded after further screening. Two follow up searches  
34 yielded one additional article for inclusion. In total, 13 articles were  
35 included in the final scoping review. These studies aligned to four  
36 potential sociological predictors of talent in football: 1) hours in practice;  
37 2) coach-child interaction; 3) parental support; and 4) education. Each  
38 potential predictor is examined in detail with key findings summarised  
39 before impact for practice and future research direction is proposed.

40 **Key words:** systematic scoping review; talent identification; talent development;

41 **Introduction**

42 The purpose of this scoping review was to examine the sociological dimensions of  
43 Williams and Reilly's four category model of potential predictors of talent in youth  
44 football ('the model'; see Figure 1).<sup>1</sup> As the model was one of the first reported attempts  
45 to capture the range of factors associated with the identification and development of  
46 future elite and professional footballers, this review appears to be well justified. For  
47 interested readers, the aims and scope of the model<sup>2</sup> are described in detail elsewhere  
48 in this Special Issue.<sup>3</sup> The influence of this four-category model within the academic  
49 community is profound, a simple Google Scholar search identified 902 citations. The  
50 model is frequently adopted by researchers to support and justify the development of  
51 studies across the spectrum of football-related inquiry. Two components of the model,  
52 physical predictors and physiological predictors, have been subject to a comprehensive  
53 line of academic inquiry, not just because of their potential predictive ability, but due  
54 to their influence in performance enhancement.<sup>4</sup>

55 One potential explanation for this lies within certain ontological and  
56 epistemological assumptions guiding the positivist paradigm that underpins physical  
57 and physiological research.<sup>5</sup> In the field of talent identification, which often relies on  
58 sport coaches applying the scientific theory into practice, such a mechanistic view of  
59 human behaviour as something which can be measured and controlled is potentially  
60 problematic. Perhaps it is due to a greater understanding of the complex social  
61 interactions which occur in the coaching process,<sup>6</sup> and a more inclusive,  
62 multidisciplinary approach to talent identification<sup>7</sup> that fundamental sociological and  
63 environmental factors have become a more prominent area of investigation.

64 With the exception of 'hours in practice', which lends itself more readily to a  
65 positivist line of inquiry, the remaining sub-components of the sociological dimensions

66 have been largely ignored. Given the reported difficulties gaining access to professional  
67 football clubs, especially for sociologists,<sup>8</sup> this may help to explain the paucity of  
68 empirical research dedicated to this particular dimension of the model. However, since  
69 the inception of the Elite Player Performance Plan,<sup>9</sup> there is a requirement for  
70 professional football clubs to demonstrate and adhere to particular organisational and  
71 environmental requirements including: time spent in coaching (i.e. coach-child  
72 interaction), formally tracking player progression, engaging parents in the talent  
73 development process (i.e. parental support), and in some instances offering hybrid or  
74 full time education models for their players.<sup>10</sup>

75 Figure 1: Model of Potential Predictors of Talent in Soccer.

76 **!INSERT FIGURE 1 HERE!**

77

78 Source: Adapted from Williams and Reilly ‘Talent Identification’, **NEEDS PAGE**  
79 **NUMBER INSERTING**

80 Whilst the model has acted as a referent point for a number of academic studies,  
81 it has also played an important role within applied professional practice. However,  
82 despite its widespread usage and application, we have been unable to find any empirical  
83 attempt to interrogate, amend, challenge, or question the components of the model.  
84 Therefore, one of the purposes of this scoping review was to examine the sociological  
85 component of the model to understand what we now know within that domain whilst  
86 offering a pathway to further develop research and practice.

87

## 88 **Methodology**

89 A scoping review is defined as a type of research synthesis that aims to “map the  
90 literature on a particular topic or research area and provides an opportunity to identify  
91 key concepts; gaps in the research; and types and sources of evidence to inform practice,  
92 policymaking, and research”.<sup>11</sup> This scoping review aims to explore the potential  
93 impact of sociological factors on the identification and development of youth  
94 footballers.<sup>12</sup> The research team devised the broad research question to be addressed,  
95 based on the sociological domain of the model, whilst additionally, the study protocol  
96 included the identification of search terms, and a selection of academic databases to be  
97 searched.<sup>13</sup>

98 As suggested by Pham et al.<sup>14</sup> the review followed the guidelines presented in  
99 Arksey and O’Malley’s framework for scoping reviews,<sup>15</sup> whilst adhering to  
100 recommendations proposed by Levac, Colquhoun and O’Brien.<sup>16</sup> The process began  
101 with the formation of a research team that had experience in research synthesis<sup>17</sup> and  
102 the review process consisted of the following five phases: 1) identifying the research  
103 question; 2) identifying relevant studies; 3) study selection; 4) charting the data; and 5)  
104 collating, summarising, and reporting the results.<sup>18</sup> The optional consultation exercise  
105 was not conducted due to time constraints and resources available.

106

## 107 **Research question**

108 This scoping review was guided by the following research question: what research  
109 exists that explores the sociological domain of the Williams and Reilly model of  
110 potential predictors of talent in youth football?<sup>19</sup>

111

112 **Data sources and search strategy**

113 A comprehensive search was performed using four academic journal databases (i.e.  
114 PubMed; Academic Search Complete; Emerald; and SportDiscus). The academic  
115 databases provided access to both scientific and social science journals; furthermore,  
116 specialist academic sport journals (i.e. Soccer & Society; International Journal of Sport  
117 Science & Coaching; Journal of Sports Sciences; and Journal of Sport & Exercise  
118 Sciences) were also included for hand-searching to allow for the most comprehensive  
119 and broad examination of the extant literature.

120 Databases were searched for articles published between 1<sup>st</sup> January 2000 and  
121 31<sup>st</sup> August 2015. The start year of 2000 was based on the publication year of the  
122 Williams and Reilly potential predictors of talent model being published.<sup>20</sup> The search  
123 was extended to include ‘grey literature’, such as national governing body of sport  
124 reports and, where appropriate, PhD theses to reduce the risk of publication bias.<sup>21</sup> The  
125 following search strings were used to conduct searches across all databases noted  
126 above:

127

128 (1) Talent\* OR “Talent Identification” OR “Talent development” OR “Talent  
129 selection” OR TID

130 (2) "Young people" OR youth OR adolescent\* OR "young adult" OR teen\* OR  
131 child\* OR player\*

132 (3) Football OR Soccer OR “association football”

133

134 The initial search strategy did not narrow the focus of the papers to a particular  
135 theme (i.e. psychological, physiological, physical, or sociological). The decision to  
136 focus on specific elements of the model was made following an initial search of the

137 databases included. The number of hits returned were not so voluminous as to be  
138 overbearing and unmanageable. It was also deemed appropriate to consider all of the  
139 literature returned through searches and continue the screening process from there.

140

#### 141 **Eligibility Criteria**

142 Eligibility criteria were applied to the initial title and abstract screening process to  
143 assess relevance to the research question. The eligibility criteria applied were:

144

145 (1) Must be published, peer-reviewed journals; PhD theses; or peer-reviewed  
146 reports;

147 (2) Must be published between 1<sup>st</sup> January 2000 and 31<sup>st</sup> August 2015;

148 (3) Studies must relate to talent identification and/or development in male  
149 association football;

150 (4) Studies must be empirical in nature;

151 (5) Cannot be a review of literature, a scoping review, systematic review; or  
152 validation of a protocol, instrument or questionnaire;

153 (6) Cannot be written in a language other than English;

154 (7) Studies must be specifically focussed on potential sociological predictors of  
155 talent in football, as identified by Williams and Reilly;<sup>22</sup>

156 (8) Cannot include studies where other sports are also included within the analysis;  
157 and

158 (9) Cannot be concerned with Relative Age Effects (RAEs).

159

160 Studies that matched the eligibility criteria were downloaded and indexed using  
161 the web-based bibliographic manager, Mendeley.<sup>23</sup> This provided a more effective  
162 management of studies included in this review. For example, the software automatically  
163 scans for potential duplicates. Articles were then subjected to both title and abstract  
164 relevance screening within the software.

165

### 166 **Selection of Studies**

167 Titles and abstracts were initially screened against the eligibility criteria to save on  
168 resources, and procuring articles that didn't meet the minimum criteria for review. A  
169 form was developed for detailing each article's key features. All members of the  
170 research team agreed the form was appropriate. The form was pretested by two  
171 reviewers (MJR & CD) independent of each other using 20 studies to examine inter-  
172 reviewer agreement.<sup>24</sup> The overall kappa of the pre-test was 0.889. Previous scoping  
173 review studies have suggested a kappa score of 0.8 is considered to represent a high  
174 level of agreement.<sup>25</sup> There were no significant disagreements between reviewers and  
175 neither reviewer suggested any revisions to the form. The title and abstract of every  
176 article were then independently reviewed by two members of the research team (MJR  
177 & CD). The author(s) and journal name of each article were fully available to reviewers.  
178 The reviewers met regularly throughout the screening process to resolve any conflicts  
179 and discuss study selections.<sup>26</sup>

180

### 181 **Data Characterisation**

182 All articles considered relevant following title and abstract screening were obtained for  
183 full-text review. To establish relevance and extract study characteristics, a specific

184 framework was developed which included the following: study year, methodological  
185 approach, participants and sample size, theoretical underpinning, and results/findings.  
186 Two members of the research team (MJR & CD) undertook an initial independent  
187 review. Any articles excluded at this stage did not meet the eligibility criteria. Once the  
188 independent review had taken place, all members of the research team performed a final  
189 review of the articles to resolve any conflicts and ensure internal consistency.

190

### 191 **Data Summary and Synthesis**

192 Data were extracted into a single Microsoft Excel 2016 spreadsheet (Microsoft  
193 Corporation, Redmond, WA) for validation and coding. Given the focus of the review,  
194 methodological quality was not assessed, though it is briefly discussed. The primary  
195 function of this review was to use Williams and Reilly's model of potential predictors  
196 of talent in youth football as a guide to examine what research exists that explores the  
197 sociological domain of the model.<sup>27</sup>

198

### 199 **Results**

200 The original search, conducted in June 2015, yielded 1107 potentially relevant studies.  
201 After the removal of duplicate articles and relevance screening studies that met the  
202 eligibility criteria, the remaining articles were acquired for review. All articles were  
203 downloaded through the institutions library holdings. After data characterisation 14  
204 articles were included in the final analysis. An updated search in November 2015  
205 identified 7 potentially relevant studies. However, none made it through the screening  
206 process, thus no additional articles were included at this time. A further updated search  
207 was undertaken during June 2016, at which time one additional article was identified.<sup>28</sup>

208 This article passed all relevant screening processes and was included in the review.  
209 Figure 1 illustrates the review process and where and how studies were excluded from  
210 the final review.

211

212 **Figure 2:** Flow chart of the review process

213 **!INSERT FIGURE 2 HERE!**

214

### 215 **General characteristics of included sociological studies**

216 The most common participants in the 13 studies included for review were players (n =  
217 9), followed by coaches (n = 2), club officials (n = 2), parents (n = 2), and one study  
218 took a holistic approach, involving coaches, club officials, parents, and a sport scientist.  
219 There was an equal split between studies that adopted qualitative (n = 6) and  
220 quantitative (n = 7) approaches. Studies reviewed varied in focus and research design,  
221 however, all were empirical in nature and examined sociological factors suggested by  
222 the model. The focus of included studies was dominated by hours in practice (n = 6);  
223 followed by coach-child interaction (n = 4), parental support (n = 2), and education (n  
224 = 1).

225

226 **!INSERT TABLE 1 HERE!**

227 **Discussion**

228 As a relatively new approach, scoping reviews are quickly gaining momentum as a  
229 practical, versatile, yet rigorous process for examining literature. Within areas, such as  
230 the sport sciences and sport coaching, where the evidence base for particular subjects  
231 is progressing yet, perhaps, not ready for a gold standard systematic review, scoping  
232 reviews provide a highly suitable bridge to inform research direction and applied  
233 practice.

234 In this paper, we have provided an overview of the potential sociological  
235 predictors of talent identification and development in junior-elite football.<sup>44</sup> Our search  
236 sought to examine published and grey literature in order to be comprehensive whilst  
237 balancing resources and practicality.<sup>45</sup> It was not within the remit of this scoping review  
238 to assess the methodological quality of papers given the variety of factors being  
239 examined,<sup>46</sup> though an overview was provided in the results section and brief reference  
240 is made to the similarities and differences of methodological approaches in the  
241 discussion.

242 There are clearly a number of sociological factors that can impact upon players'  
243 (especially young players') development within sport. However, this scoping review  
244 highlights a dearth of literature that considers the potential sociological predictors of  
245 talent related to football. It is worth noting, however, that the potential sociological  
246 predictors proposed are by no means exhaustive and it is possible that some studies  
247 were omitted from this scoping review.

248

249 **Hours in Practice (HiP)**

250 The notion of ‘hours in practice’ is repeatedly highlighted as a crucial determinant in  
251 the development expertise in football players. This is closely linked to a number of  
252 theories and postulations including: deliberate practice;<sup>47</sup> early specialisation and early  
253 diversification;<sup>48</sup> and deliberate play.<sup>49</sup> All of the papers included under this section  
254 sought to examine the developmental pathway and the activities/sports that various  
255 samples of footballers were engaged in prior to their (non)progression to professional  
256 status.

257 From a methodological perspective, all the papers were similar in design;  
258 adopting retrospective recall of participation history and engagement in associated  
259 forms of activity. Only Ford et al.<sup>50</sup> and Haugarsen et al.<sup>51</sup> included additional  
260 methodological protocols to the ones mentioned previously. For example, Ford et al.<sup>52</sup>  
261 revisited data<sup>53</sup> four years after the original data were collected to re-examine the  
262 professional status of players and examine the participatory time of professional and  
263 non-professional players. Furthermore, Haugarsen et al. included a one-week  
264 participation diary which was then used to compare the yearly computed results from  
265 the recall questionnaire.<sup>54</sup> It might be suggested that these studies adopted more  
266 methodologically robust approaches to understanding the phenomenon of HiP than  
267 applying retrospective recall questionnaires.

268 The participants within the HiP studies varied from in country-specific<sup>55</sup> to  
269 multi-national populations.<sup>56</sup> Sample sizes varied from a high of 745 participants<sup>57</sup> to a  
270 low of 33 participants.<sup>58</sup> The relatively small sample size of Ford et al.<sup>59</sup> however was  
271 attributed to the participants being recruited as a follow-up to a previous study.<sup>60</sup>  
272 Furthermore, for the purposes of the study, only players aged between 16-18 years of  
273 age were re-recruited, further reducing the potential sample size. In comparison, the

274 largest sample size<sup>61</sup> included all academy players from age 14-21 playing at  
275 Norwegian Premier League clubs (n = 745).

276           Across all of the HiP papers, the most common theme to emerge was that time  
277 engaged in football-related play was the most important contributing factor to the  
278 development of players. Indeed, professional players were reported to engage in more  
279 play-related activity between 6-8 years of age. No significant differences were found at  
280 any other age. On average, professional players reported 20% more football-specific  
281 practice between 6-12 years old.<sup>62</sup> Similar findings were reported by Ford et al. who  
282 indicated that professional players spent on average twice as much time in football-  
283 related activity than former-elite players (i.e. those released from the academy  
284 system).<sup>63</sup> It is important to highlight, however, that some of the between-paper  
285 comparisons are difficult to qualify as there is a variety of terminology used to describe  
286 the participants (i.e. elite, former-elite, professional, top-level, etc.), and the activity  
287 they engage in (i.e. football practice, specific practice, football-specific practice,  
288 organised practice, football-related play). Such terminology variety makes it difficult  
289 to compare, contrast, and consider the evidence collectively as it is often difficult to  
290 determine the differences being examined.

291           Whilst a range of age groups were investigated, all were aged 14 years or older  
292 at the time of participation. None of the studies reported participants engaging in other  
293 sports to a level that was consistent with an early diversification approach,<sup>64</sup> though  
294 Hornig, Aust and Gullich indicated that many of their respondents engaged in other  
295 game-based activities alongside football.<sup>65</sup> Furthermore, Hornig et al.<sup>66</sup> and Zibung and  
296 Conzelmann<sup>67</sup> reported players specialising in football at a later age. Such findings  
297 indicate that there may be confounding cultural issues within football, that transcend  
298 national boundaries, and contribute to a culturally acceptable notion that players should

299 specialise in football above other sports from a young age. Interestingly, Ford et al.  
300 suggested that their findings supported neither early specialisation nor early  
301 diversification approaches and, instead, suggested adopting a skill acquisition approach  
302 during the sampling phase.<sup>68</sup>

303         Specific reference must be made to Ford and colleagues whose study was the  
304 only one to consider participants from multiple nations.<sup>69</sup> In total, the study considered  
305 seven countries from around the world and, although only considering one age group  
306 in the sample (i.e. under 16), generated a number of pertinent findings. For example,  
307 the world-wide average for beginning engagement in football-related activity was 4.9  
308 years of age; players engaged in supervised training from 6.9 years old; and, on average,  
309 academy training began at 12 years of age. They also found that the time engaged in  
310 football-related activity differed between countries, though development pathway for  
311 players was comparable. However, something that is worthy of further consideration is  
312 the time at which youth players engage in formalised academy settings. Whilst the  
313 average was 11.95 years of age ( $\pm 2.56$  years), youngsters in Portugal became engaged  
314 in these environments earlier than in any of the other seven countered investigated at  
315 8.30 years of age ( $\pm 1.67$  years).

316         It is possible to state that the evidence surrounding HiP is relatively  
317 homogenous. There are some claims that are consistently agreed upon, such as  
318 substantial amounts of time spent in football-related play at young ages; though there  
319 are also variances, including the number of sports engaged in alongside football, and  
320 the volume of engagement in those sports. Overall, it is not clear whether early  
321 specialisation or early diversification would be most beneficial for the development of  
322 elite/professional footballers.

323

#### 324 **Coach-child Interaction**

325 The five papers included under this theme fell into two distinct categories: talent  
326 development environment<sup>70</sup> and youth-to-senior transition.<sup>71</sup> Environment, although a  
327 psycho-social construct, does not factor in the model.

328 Two studies<sup>72</sup> explored the potential impact of environment on player  
329 development and were similar in methodological design. Indeed, all studies adopted the  
330 retrospective 59-point Talent Development Environment (TDE) Questionnaire  
331 (TDEQ)<sup>73</sup> with elite youth players. However, Ivarsson and colleagues<sup>74</sup> also explored  
332 whether the TDE also impacted upon players perceived well-being, and included a 12-  
333 point General Health Questionnaire (GHQ),<sup>75</sup> as well as the 76-item Recovery-stress  
334 Questionnaire for Athletes (RESTQ-Sport),<sup>76</sup> in their data capture. The third paper that  
335 aligned to TDE<sup>77</sup> investigated coaches' perceptions of optimal development  
336 environments within English football academies. The study examined the thoughts of  
337 10 expert coaches, with data collected through interviews that focussed on examining  
338 the expert coaches' experiential knowledge of managing and leading the talent  
339 development environment. These coaches were somewhat homogenous, though there  
340 was some variance in years actively coaching (m 14.5,  $\pm s = 6.2$  years) and age (m 47.5,  
341  $\pm s = 10.5$ ). All of the coaches held positions with responsibility for overseeing player  
342 development during their investment stage (i.e. 16-18).<sup>78</sup>

343 Findings reported by Mills et al. suggested that players perceived the factors  
344 that relate to their long-term development to be key strengths.<sup>79</sup> These related mostly  
345 to coaching practice (i.e. technical instruction). However, the small sample of  
346 participants (n = 50) and low club involvement (n = 3) inhibits the generalisability of

347 the findings. However, it is worth noting that this study was one of the first to develop  
348 the TDE theme within elite youth football. Similarly, Ivarsson et al. suggested that  
349 players who perceived their TDE to be supportive and have a focus on long-term  
350 development were less likely to suffer with stress and experienced greater well-being.<sup>80</sup>

351 Mills and colleagues approached their study with the aim of developing a  
352 conceptual framework that explored the interaction of factors underpinning an optimal  
353 TDE.<sup>81</sup> They included setting clear expectations and goals, ensuring open and honest  
354 communication, and promoting self-responsibility were key factors to consider. They  
355 reported the need to have a well-defined and espoused culture and organisational core  
356 to support the TDE. Mills and colleagues' study also documented that the coaches  
357 involved were concerned with "developing well-rounded individuals",<sup>82</sup> in-line with  
358 claims in other studies included in this review.<sup>83</sup>

359 The three papers that specifically examined the transition from youth-to-  
360 senior<sup>84</sup> were more diverse in their methodological approaches. Relvas et al. attempted  
361 to understand and describe models of applied working practice between youth-to-senior  
362 transition.<sup>85</sup> Their study documented a series of semi-structured interviews across 26  
363 European clubs, providing a unique Pan-European data set focussed on applied practice.  
364 In contrast, Morris et al. were concerned with understanding transition outcomes,<sup>86</sup>  
365 against Stambulova's youth-to-senior transition model.<sup>87</sup> Their study adopted a case  
366 study approach, focussing efforts on two specific clubs and collecting multiple sources  
367 of data including interviews, documents, emails, and coach reports. Finally, Morris et  
368 al. examined the youth-to-senior transition in-situ whilst the process occurred.<sup>88</sup> Their  
369 study focussed on a sample of five youth players going through the transition period to  
370 first team level. Data were collected through interviews pre and post-transition period  
371 before being abductively thematically content analysed. Their data were analysed

372 against Stambulova's youth-to-senior transition model<sup>89</sup> and Wylleman and Lavallee's  
373 developmental perspectives model of transitions faced by athletes.<sup>90</sup>

374 Relvas et al. investigated the day-to-day working practice at a club level,  
375 leading to better understanding of the gaps in our understanding of organisational and  
376 operational issues that affect successful player transitions.<sup>91</sup> Their findings indicated  
377 that there is some organisational homogenisation, such as the underpinning philosophy  
378 of clubs (i.e. to develop players for the first team); the personal development of players  
379 alongside football development; and for clubs to be able to make a monetary gain  
380 through the development of players, either through not having to purchase players or  
381 by selling a player they had developed for a profit. However, there were also a number  
382 of operational differences reported, including roles and responsibilities of staff, the  
383 youth-to-senior transition; and as unstructured club approach to the development of  
384 players. This further manifested through a significant indication that, regardless of club  
385 structure, formal communication between youth and senior environments within clubs  
386 hindered the progression of players to the first team environment.<sup>92</sup>

387 Morris et al.<sup>93</sup> developed the ideas and findings purported by Relvas et al.<sup>94</sup> by  
388 providing two in-depth case studies and applying Stambulova's youth-to-senior  
389 transition model to data.<sup>95</sup> Data were then compared between the two clubs involved in  
390 the study to further explore each organisation's transition procedures and processes.  
391 The two clubs investigated had significantly different approaches to youth development.  
392 Indeed, their individual data highlighted that one club clearly aligned to the elements  
393 of Stambulova's model,<sup>96</sup> and one club aligned to some elements, but not to the same  
394 extent as the former. Data were compared and contrasted against each other and also  
395 against a league average. It was suggested that the organisation who aligned more  
396 closely with Stambulova's model were three times more efficient in achieving

397 successful transition outcomes than the club who aligned to some elements and twice  
398 as efficient than the league average.<sup>97</sup> The club that aligned to the model also had  
399 substantially lower release rates of players than their counterpart (47% lower) and the  
400 league average (29% lower). Finally, and, perhaps, most importantly for clubs  
401 concerned with associated costs of developing young players, the associated monies  
402 invested into clubs' youth development programmes was reduced when aligned to the  
403 Stambulova model.<sup>98</sup> The club which most aligned had a five-year operating cost of  
404 £450,000; the club that partially aligned operated on £520,000 over a five-year period;  
405 and the league average over five years was £980,000. This suggests that even a modest  
406 alignment to operationalise elements of the Stambulova youth-to-senior transition  
407 model<sup>99</sup> can have serious financial implications.

408 Morris et al.<sup>100</sup> further expanded the previous work of Relvas et al.<sup>101</sup> and  
409 Morris et al.<sup>102</sup> by exploring the pre- and post-transition period of five junior-elite  
410 footballers. Data were collected two weeks prior to transition and two weeks' post  
411 transition to capture players' perspectives on the process. The four themes that emerged  
412 from the data were: a) motivation for the transition; b) confidence and anxiety; c)  
413 stressors, and; d) social support. The authors suggest findings present generalizable  
414 considerations that would resonate with a number of players and clubs. For example,  
415 players were highly intrinsically motivated to transition to senior football. Such  
416 findings are also corroborated in other studies<sup>103</sup> and supported by the theoretical  
417 frameworks that were used to underpin analyses.<sup>104</sup> The study also highlights a number  
418 of factors that have clear practical application. Stress and anxiety during and following  
419 the transition period can be significant with players being affected both internally (e.g.  
420 desire to succeed) and externally (e.g. familial pressure). It was also noted that some of  
421 the same actors (i.e. family, friends, and colleagues) who caused stress within players'

422 lives were also responsible for providing support when necessary. The study  
423 highlighted that the challenges experienced by players were numerous and complex and  
424 that within-career transitions are a highly under-examined area worthy of further  
425 investigation.

426         The findings from Relvas et al.<sup>105</sup> and from Morris et al.<sup>106</sup> suggest that there  
427 are significant operational processes and considerations that clubs need to make in order  
428 to enhance their youth-to-senior transition success. Stambulova's model provides a  
429 framework against which clubs might be able to assess themselves, or be assessed  
430 against, whereas Relvas et al. highlight more organisational and structural  
431 considerations for clubs to contemplate.<sup>107</sup> Similarly, Morris et al. indicate that there  
432 are a number of challenges and experiences faced by players undergoing career  
433 transitions and that clubs need to be more consciously aware of, supportive of, and  
434 reactive to the needs of players during these periods, particularly the youth-to-senior  
435 transition.<sup>108</sup> Indeed, findings from Mills et al. indicated that there is a weak player  
436 understanding of the links and realities of youth-to-senior transition.<sup>109</sup> This suggests  
437 that, despite Relvas and colleagues' call for better organisational operation and links  
438 between senior and youth domains,<sup>110</sup> there has been little progression made in this  
439 domain since that time; despite all clubs involved in that study indicating their desire  
440 was to develop players for their respective senior squad.

441

#### 442 **Parental Support**

443 There is longstanding interest of the implications of parental support within sport from  
444 performance and participation perspectives.<sup>111</sup> However, examination of the impact of  
445 parental involvement in junior-elite football are in their relative infancy. Indeed, only

446 two studies<sup>112</sup> fulfilled the eligibility criteria for this within the model. The earliest  
447 study was a phenomenological investigation of the experiences of parents of “elite  
448 specialising stage youth footballers”.<sup>113</sup> This study explored a unique concept in the  
449 talent development literature: the social and cultural context in which parents operate.  
450 It has been recognised elsewhere that parents play a crucial role in their child’s  
451 development in sport and particularly in football.<sup>114</sup> However, there has been little done  
452 to investigate this particular sample within junior-elite football. The second study  
453 considered sought to explore parents and children’s experiences, interaction, and  
454 relationships within the context of junior-elite football academies.<sup>115</sup> Indeed, it has been  
455 suggested that previous studies have tended to focus on the behaviours exhibited by  
456 parents during children’s sport, but there is a need to look beyond the behaviours  
457 exhibited by parents and to understand the social and cultural contexts in which these  
458 behaviours occur.<sup>116</sup>

459 Both studies adopted qualitative data collection methods, though Clarke and  
460 Harwood<sup>117</sup> were guided by Giorgi’s descriptive phenomenological approach,<sup>118</sup>  
461 whereas Clarke et al. embraced a dyadic approach,<sup>119</sup> allowing greater understanding  
462 of interactions and relationships.<sup>120</sup> Both studies only included parents within their  
463 sampling procedures, though the ages of the players’ parents represented were different.  
464 For example, Clarke and Harwood sampled parents (n = 10; 5 mothers, 5 fathers) of  
465 players aged 8-11 years,<sup>121</sup> whereas Clarke et al. sampled parents (n = 8; 4 mothers, 4  
466 fathers) of 12-17-year-old players.<sup>122</sup> Smaller sample sizes have been suggested  
467 appropriate for descriptive phenomenological inquiries.<sup>123</sup>

468 It was proposed that there are three factors that parents of junior-elite footballers  
469 in the UK experience.<sup>124</sup> Firstly, parents recognised the socialisation process they  
470 underwent while entering and remaining in the junior-elite youth football culture;

471 secondly, parents recognised themselves as having an enhanced parental identity; and,  
472 finally, parents expressed the feeling of increased parental responsibility. These three  
473 broad themes were considered expressive of the multiple sub-themes which comprise  
474 each one, though the authors note that there was variance between individual  
475 participants and that their findings should not be considered generalizable but more  
476 reflective of the participants' "nature of existence".<sup>125</sup>

477 In their existential phenomenological study, Clarke et al. presented findings of  
478 four parent-player dyads.<sup>126</sup> Their findings suggested that these dyads were framed  
479 around relationships with other family members, an embodied sense of closeness, a  
480 temporal significance of transitions in football, and gender relations. Similar to Clarke  
481 and Harwood, it was suggested that findings might serve as a useful heuristic  
482 framework for guiding further research in this area and context (i.e. junior-elite  
483 academy football).<sup>127</sup>

484 The increased sense of parental responsibility<sup>128</sup> and embodied sense of  
485 closeness<sup>129</sup> closely align between both studies. The notion of increased parental  
486 responsibility arose from feelings of enhanced parental identity due to their son's  
487 identification as a talented young footballer. This was suggested to be a reflection upon  
488 their identity as a parent and, their parenting ability. These two interlinked experiences  
489 manifest as shared senses of success and failure, particularly around transition periods  
490 (i.e. youth-to-senior transition, or transition away from junior-elite football). Whilst  
491 previous work on youth-to-senior transition has highlighted difficulties for players at  
492 these periods,<sup>130</sup> it is suggested that such transitions also affect the identity of parents.<sup>131</sup>

493 Whilst increased parental identity was highlighted, it was also noted that parents  
494 felt they needed to carefully consider and navigate their position within the academy

495 environment. Their peer interactions required them to be seen as realistic about the  
496 likelihood of their child's success in football,<sup>132</sup> as there is a high attrition rate between  
497 those who progress from academy-level.<sup>133</sup> A final issue of identity was raised in  
498 relation to gender and the perceived value of mothers in a male-dominated environment,  
499 raising issues of gender.<sup>134</sup>

500         When considering the notion of socialisation for parents in the academy  
501 environment, it was suggested that the notion of conforming to the established norms  
502 and expectations of the academy and its culture were critical. These expectations were  
503 heightened through parents' interaction with coaches and other parents. Parents  
504 regularly interacted with other parents during training sessions and games, with these  
505 relationships serving several functions, including: new parents to the environment  
506 seeking advice; drawing upon support, such as transport to training; and being  
507 empathetic of the stresses associated with the environment. Parents demonstrated a  
508 pragmatism toward relationships developed, acknowledging that should their son no  
509 longer play at the academy, it was unlikely any friendships developed would endure.  
510 Parents who approached coaching staff to ask questions or request information were  
511 viewed as interfering by other parents. Naturally occurring opportunities for coaches  
512 and parents to engage were rare, as coaches highlighted that their focus was the  
513 development of players and so tended to focus efforts toward players rather than  
514 communicating with their parents. Indeed, once a player was signed and registered with  
515 a club, parents had to transition to taking a back seat in their son's football development,  
516 though some indicated that coaches were the experts in the academy environment and  
517 relinquished any power previously exerted.<sup>135</sup> However, the lack of communication  
518 prolonged the development of relationships and trust between coaches and parents.

519 Both studies provide insight into a relatively under-researched area within  
520 junior-elite football. There are insights provided from the perspective of parents, key  
521 stakeholders in this domain, that suggest further work is required. For example, the  
522 sample of clubs and parents used is relatively small and, as such, findings cannot be  
523 considered comprehensive nor generalizable to parents across junior-elite football.

524

### 525 **Education**

526 Education was considered through the experiences and descriptions of young male  
527 Danish footballers' who were managing contradictory demands of potential future  
528 career and current educational requirements.<sup>136</sup> The study included 25 elite youth  
529 footballers between 15-19 years old. Analyses were considered using Lewin's  
530 psychological field theory, which considers "life space";<sup>137</sup> that is, the space where an  
531 individual and their environment exist psychologically, allowing individuals to be seen  
532 as a whole.<sup>138</sup> Secondly, data were considered using Schein's theory of organisational  
533 culture,<sup>139</sup> which operates three levels: observable artefacts; espoused values; and  
534 underlying assumptions.

535 Results first presented are the artefacts, espoused values, and assumptions in the  
536 education system. Data presented suggest that the Danish education system is well-  
537 established for supporting young people who may have competing priorities. There is  
538 a degree of flexibility within the system that allows the final phase of secondary  
539 education to be completed over a more protracted period – three years rather than the  
540 traditional two. This, it is claimed, allowed participants the opportunity to continue their  
541 football development with a lesser degree of pressure from also completing secondary  
542 education qualifications. The Danish school and sport systems also seem to be fairly

543 complimentary in their approach, with some schools supported by Team Denmark sport  
544 coordinators. It was highlighted that educational values were often reinforced by  
545 players' parents. Indeed, parents were highlighted as championing education,  
546 illustrating the perceived importance of education within Danish society.

547 Time pressure was cited as the most serious threat to successfully combining  
548 education with football development. Participants highlighted the need for  
549 demonstrating a high degree of self-discipline and requiring psychological support and  
550 resources to adapt to the demands of both. Within the study, school was often seen as a  
551 necessary evil, secondary to football development activities, though parents often  
552 pressured participants to consider school more reverently. However, participants were  
553 acutely aware that completion of secondary education may be beneficial, though many  
554 indicated that grades were expected to be considerably lower because of involvement  
555 within football. Those participants who opted to extend their final period in secondary  
556 education experienced a lesser degree of pressure through the time support offered. As  
557 an extreme example, however, there were also instances where young players dropped-  
558 out of school to focus on their football development: this presented a different scenario,  
559 whereby the player found part time paid work that afforded him the opportunity to focus  
560 more readily on football whilst also affording greater financial resource to support  
561 himself.

562 The espoused values were found to illicit significant personal concerns. Similar  
563 to the time-related factors discussed above, players who were not within the vicinity of  
564 their club were often left to decide whether to move into accommodation closer to the  
565 training facilities, or continue with time-consuming travel. The data highlight moving  
566 away from for players as a mixed economy. Some players successfully moved and  
567 transitioned to life away from home, where others underwent significant issues,

568 including mental health problems. The authors suggest that the movement of players,  
569 particularly at testing ages (mid-late teens), can be problematic as social groups become  
570 disrupted, personal living space became compromised, and aspects of his life came  
571 under scrutiny that he was unused to. The authors summarise by suggesting the ideal  
572 student, as prescribed by various stakeholders is a privileged position, that is not held  
573 by the majority. This has implications for educational, social, and psychological factors  
574 within the lives of who are not so fortunate.

575         The study also highlighted the unwritten rules of football – those espoused  
576 values that are expected and assumed, but would never be laid bare for all to see. For  
577 example, there were references to coaches and clubs explicitly instructing players that  
578 they must make a decision between school and football, and that in order to be a  
579 professional footballer they must devote themselves 100%. This, it was claimed, was  
580 the only way in which they would be able to be considered and accepted as a real  
581 talent.<sup>140</sup> Players' lives, the authors contend, are in an unstable state and the  
582 abandonment of education in favour of football becomes a realistic, albeit radical,  
583 reality. The culture of football prevails in these attitudes, whereby young players exude  
584 the underlying assumptions of professional football – achievement of success on the  
585 pitch and, therefore, the generation of personal income.

586         It was suggested that the value of a potential career in professional football was  
587 more appealing than a good set of educational qualifications. Similarly, the  
588 dichotomous approach of government to try and successfully affect both elite sport  
589 participation and education manifests a situation where one or the other tends to be  
590 selected. The study highlights the longstanding problems faced by junior elite  
591 footballers in Denmark. It is plausible to extrapolate these findings to other European  
592 countries due to the similarities in education and sport systems. Therefore, this study

593 highlights a significant issue for those involved in the education and development of  
594 junior elite footballers.

595

## 596 **Conclusion**

597 This scoping review of the potential sociological predictors of talent in football has  
598 considered a range of studies that have examined different sociological factors within  
599 football. Results suggest that it would be premature to offer any concrete suggestions  
600 in relation to the sociological determinants of talent in football. There are notable gaps  
601 in the literature and, therefore, prime areas for future inquiry, particularly related to  
602 examination of cultural background and socio-economic background.

603         One of the earliest, and most striking features of the studies considered in this  
604 review was the variety and breadth of terminology used to describe potentially similar  
605 groups or factors. Whilst this has been acknowledged across the TID literature<sup>141</sup> this  
606 review highlights its prevalence in football-related inquiries. Consequently, we strongly  
607 advocate for a more unified and consistent approach to the language offered to discuss  
608 the concepts under scrutiny.

609         Whilst there appears to have been a small shift toward better understanding the  
610 sociological factors that affect junior-elite footballers, this review has highlighted that  
611 there is still a lack of examination of the contribution sociological factors can have upon  
612 the potential prediction of talent in junior-elite football. However, some sociological  
613 factors have received greater attention, such as HiP. There has been a focus on better  
614 understanding the volume of practice undertaken by junior-elite footballers throughout  
615 their development, though these studies have tended to rely on similar methodological

616 approaches. We suggest the need for better understanding of the impact of HiP through  
617 use of control groups within a longitudinal framework.

618         There are also certain sociological predictors that have not been examined, or  
619 at least were not found for inclusion in this review, such as socio-economic background.  
620 Whilst this may be a factor within other studies, we argue that in order to fully  
621 understand the complexities of each of the proposed predictors, more rigorous  
622 investigations of specific, individual factors are necessary. For example, there is a  
623 significant body of literature that has explored the impact of socio-economic status  
624 upon participation in sport and physical activity,<sup>142</sup> yet we were unable to find a singular  
625 examination of the effects of socio-economic status upon the development of junior-  
626 elite footballers.

627         There are also proposed potential predictors of talent where the evidence base  
628 is limited and further investigation is warranted. In the case of education, better  
629 understanding of the impact being a junior elite footballer within an, often legally  
630 required, education system is required. For example, in the UK football academies have  
631 the option to offer a full-time education model and, in doing so, affect the school day  
632 timetable. This can, potentially, have further sociological implications for relationships  
633 with friends, peers, parents, teachers, and coaches, amongst others.

634         Better understanding the potential sociological predictors of talent in junior-  
635 elite football seems to be pertinent for academic inquiry, but also within applied  
636 practice. Indeed, we would suggest that every academy should ensure that they do not  
637 neglect to account for the important role sociological factors can play in the  
638 identification and development of junior-elite footballers.

639

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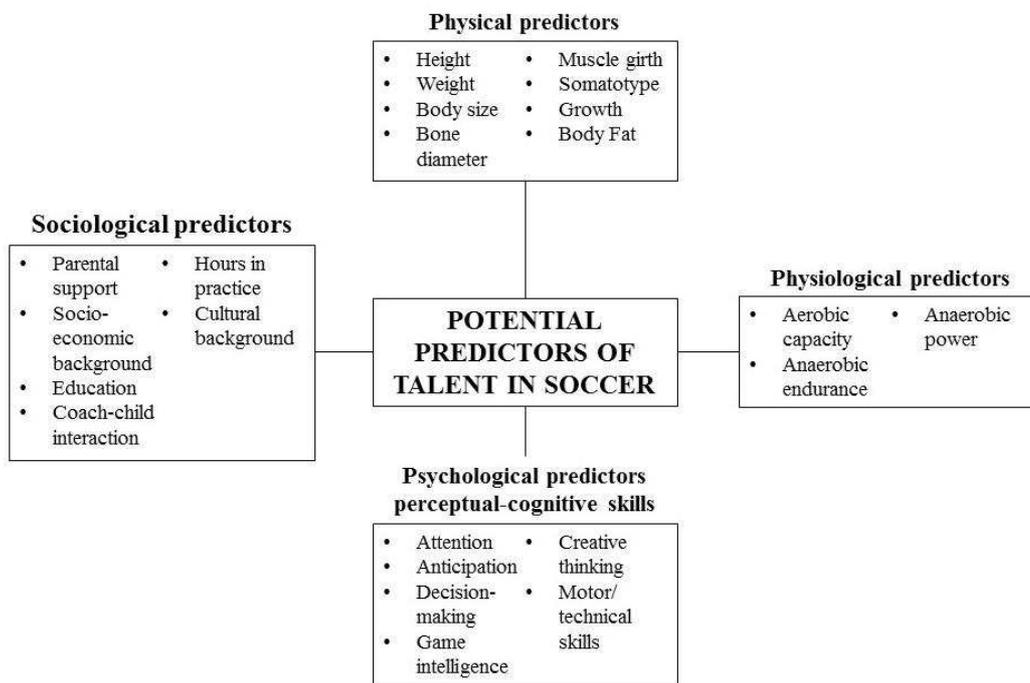
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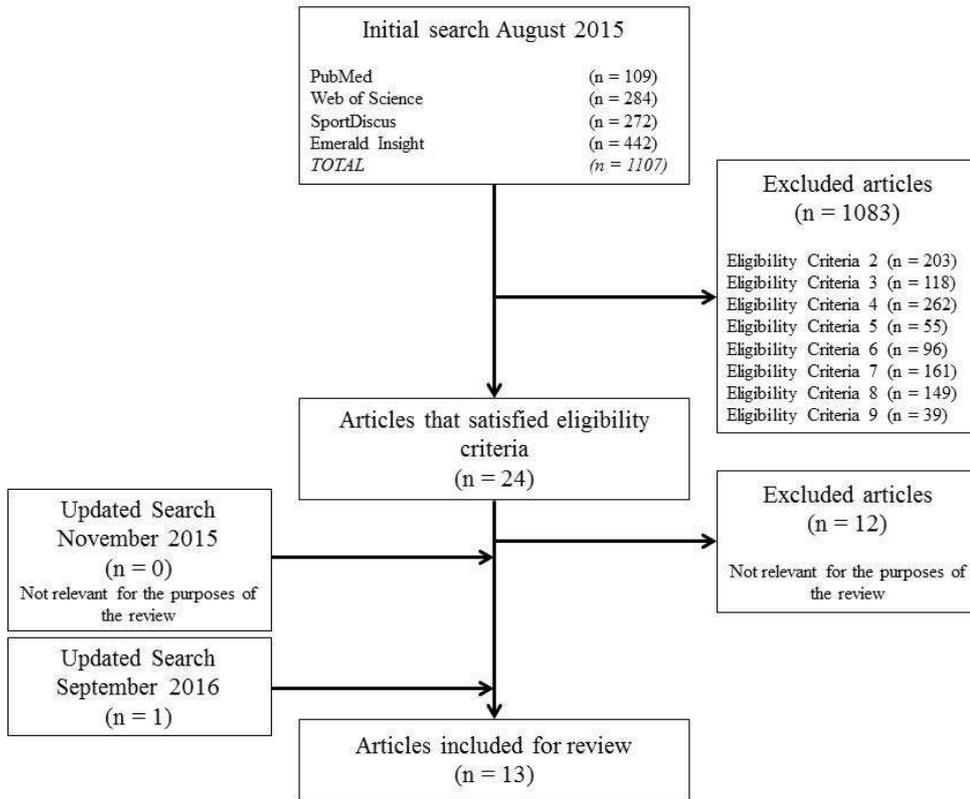
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1091 **FIGURE 2**



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<b>Author(s)</b>	<b>Study Aim</b>	<b>Study Sample</b>	<b>Method</b>	<b>Important Results/Findings</b>
<b>HOURS IN PRACTICE (HiP)</b>				
Ford et al. <sup>29</sup>	To examine developmental activities and pathways of elite football players.	328 elite soccer players aligned to the under-16 age group from Brazil, England, France, Ghana, Mexico, Portugal and Sweden.	Retrospective recall using the Participation History Questionnaire. Data compared to the early diversification, early specialisation, and early engagement pathways.	<ul style="list-style-type: none"> <li>• Players began involvement in football at ~5 years of age; supervised training at ~7 years old; academy training at ~ 12 years of age.</li> <li>• Participation in academy-based training is younger in England than all other countries.</li> <li>• Developmental pathway for players across multiple countries was relatively homogenous.</li> <li>• Only players in England engaged in a greater variety of other sports during childhood than other countries (mean = 4).</li> <li>• Between country differences are likely to reflect differences in youth development systems.</li> </ul>
Ford, Ward, Hodges, & Williams <sup>30</sup>	To examine the domain-specific activities in which two groups of elite youth soccer players participated between six and 12 years of age to examine early participation differences between those who	Secondary data from a previous study <sup>31</sup> were re-examined. In these data, three groups were determined: (1) The still-elite group (n = 11); (2) The ex-elite group (n = 11); and (3) a recreational level	Players from a previous study data subset were tracked and their current playing status determined.	<ul style="list-style-type: none"> <li>• Professional players accumulated more hours per year in football play activities, but not in football practice, competition or other sports, between six and 12 years of age.</li> <li>• The two elite groups averaged more hours per year in soccer practice compared with recreational-level players, but not soccer play, competition or other sports.</li> <li>• Practice and play in football between six and 12 years of age contributes to the development of expert performance in English football.</li> </ul>

	progressed to professional status at 16 years of age and those who did not.	control group (n = 11).		
Haugaasen, Toering & Jordet <sup>32</sup>	To identify the development of engagement in football-specific activities of elite youth association football players who have made the transition to senior professional status or not.	Data were collected from all elite youth players (N = 745) within the age-range of 14-21 years from all Norwegian Premier League clubs.	A retrospective participation history questionnaire was adapted. Data were collected at one time point.	<ul style="list-style-type: none"> <li>• Although the professional players reported more overall practice hours accumulated than non-professionals from ages 6 to 19 years, none of these differences were significant.</li> <li>• Professional players reported to have accumulated significantly more hours in play and coach-led practice at the youngest age categories.</li> <li>• No significant differences were identified at older age categories or for other types of football-specific practice at any age.</li> </ul>
Haugaasen, Toering, & Jordet <sup>33</sup>	This study aimed to identify the characteristics and contribution of diverse participation towards elite youth and senior professional status in football.	Sample of 491 players aged 14-21 years of age; including 66 professional players and 425 non-professional players from Norway.	Data were collected using the Participation History Questionnaire. Players reported the amount of time spent engaged in sports other than football. Activity diaries collated for one week during the season.	<ul style="list-style-type: none"> <li>• 90% of players reported engaging in football-related activity by 6 years of age.</li> <li>• No significant difference between professional and non-professional players in the age at which they first engaged in football-related activity.</li> <li>• Professional players attained an average of 20% more hours of football-specific practice between 6-12 years of age.</li> <li>• Professional players accumulated more hours of football practice than non-professionals at all age categories up to 19 years of age.</li> </ul>

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Horning, Aust,  
& Gullich<sup>34</sup>

This study examined the developmental sporting activities of elite and amateur soccer players.

52 German Bundesliga professional footballers (including 18 senior national team members) and 50 fourth to sixth league amateur players.

Participants retrospectively recalled volumes of organised football practice/training, including its "microstructure" (proportions of physical conditioning, skill exercises and playing forms), non-organised leisure football play and engagement in other sports through their career, respectively.

- Sports similar to football were reported to be significantly more relevant for developing football skills than other sports.
- Spending time in non-football activities did not contribute to differences in performance attainment in football, but potential advantages of such activities may be related to their characteristics.
- Bundesliga professionals performed moderate amounts of organised football practice/training throughout their career.
- They accumulated 4264 (mean) hours over ~16 years before debuting in 1st Bundesliga; senior National Team debut was preceded by 4532 hours (mean) over ~17 years.
- Within the microstructure of organised practice/training, the proportion of playing forms developed from ~52% (childhood) to ~45% (adolescence) and ~40% (adulthood) and physical conditioning from ~13% to ~14% and ~23%.
- Players engaged in extensive non-organised leisure football play.
- Subsuming organised and non-organised football, ~86% (childhood), ~73% (adolescence) and ~43% (adulthood) of all activity was game play (exclusive match play).
- National Team differed from amateurs in more non-organised leisure football in childhood, more engagement in other sports in adolescence, later

Zibung & Conzelmann <sup>35</sup>	To investigate if it is more effective to promote specialisation in a specific sport at the beginning of a career or whether to encourage a broad range of sports when promoting competitive sports talents in order for them to achieve a high level of performance in adulthood.	One hundred fifty-nine former Swiss football talents.	Retrospective interviews were conducted with participants. Data were analysed using the linking of clusters after removal of a residue (LICUR) method.	<p>specialisation, and in more organised football only at age 22+ years.</p> <ul style="list-style-type: none"> <li>• Specialised club players engage in above average in-club practice and have more than average engagement levels in football-related play away from their club.</li> <li>• Below average participation in other sports.</li> <li>• Results do not support early specialisation or early diversification.</li> <li>• Comprehensive training and practice inside and outside the club form the basis for subsequent football expertise.</li> </ul>
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**COACH-CHILD INTERACTION**

Ivarsson, Stenling, Fallby, Johnson, Borg, & Johansson <sup>36</sup>	To examine the predictive ability of perceived talent development environment (TDE) on the well-being of youth elite football players.	195 Swedish youth elite football players between 13 and 16 years of age enrolled at Swedish football academies.	Questionnaires regarding players' their TDE, perceived stress, and well-being at the start of the 2012 season. On two more occasions, six and 12 months later,	<ul style="list-style-type: none"> <li>• Three classes of players with different perceptions of their TDE (one high quality, one moderate quality, and one poor quality class) were identified.</li> <li>• The class of players perceiving the lowest TDE quality, experienced higher initial level of stress and lower initial level of well-being at the start of the season compared to the other two classes.</li> <li>• There were no significant differences for stress nor well-being between classes (the initial difference</li> </ul>
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Mills, Butt, Maynard & Harwood <sup>37</sup>	To examine elite youth football academy players' perceptions of the quality of their development environment, at a crucial stage in their progression to the professional level.	50 elite players aged 16-18 (m 17.1 +/- s = 0.6 years) recruited from the academies of Premier League and Championship clubs in England.	the players completed the stress and well-being questionnaires. The Talent Development Environment Questionnaire (TDEQ) was used to survey the elite players.	<p>between the three groups, in well-being, remained stable over time).</p> <ul style="list-style-type: none"> <li>• Players perceive elite development environments to be of a good quality.</li> <li>• Academies were considered strong in areas of coaching, organisation, and sport-related support.</li> <li>• Areas of deficiency were: athlete understanding, youth-senior transition, and key stakeholder relationships.</li> <li>• Findings highlight the need for academies to pay close attention to the psychosocial environment they create for developing players.</li> </ul>
Mills, Butt, Maynard & Harwood <sup>38</sup>	This study examined the factors perceived by successful coaches to underpin optimal development environments within elite English football academies.	10 expert academy football coaches.	A semi-structured interview guide, related to the environments coaches create for players at a key stage in their development.	<ul style="list-style-type: none"> <li>• There are a wide range of interacting factors that underpin an optimal development environment.</li> <li>• Key components included: organisational core, adaptability, player welfare, key stakeholder relationships, involvement, and achievement oriented.</li> </ul>
Morris, Tod & Oliver <sup>39</sup>	To critique whether the demands, resources, and barriers associated with the youth-to-	Following initial screening, two professional football clubs were purposively	Data collected included meeting minutes, websites, interviews (n = 17) with players,	<ul style="list-style-type: none"> <li>• A proactive transition programme had better outcomes (e.g. player financial value, retention rates) and meant clubs spent less on player assistance compared to the club with no transition program.</li> </ul>

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	senior sport transition in Stambulova's model help explain transition outcomes. <sup>40</sup>	selected for detailed case study analysis.	coaches, support staff, and parents, and e-mail communications.	<ul style="list-style-type: none"> <li>• When parents had knowledge of the transition process they felt more comfortable and able to support their son make the move to senior sport.</li> <li>• Coaches highlighted their ability to support players during the transition process was limited.</li> <li>• Providing more sport science support staff may provide better transition support and efficiency.</li> </ul>
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**PARENTAL SUPPORT**

Clarke & Harwood <sup>41</sup>	To explore the experiences of parents of elite specialising stage youth footballers.	Five mothers and five fathers of youth players registered to English football academies.	A descriptive phenomenological approach guided the study design. Data from interviews with five mothers and five fathers of youth players registered to English football academies were analysed using descriptive phenomenological analysis.	<ul style="list-style-type: none"> <li>• Three essences characterised the phenomenon of being a parent of a junior-elite youth footballer: parent socialisation into elite youth football culture; enhanced parental identity; and increased parental responsibility.</li> <li>• Parents' socialisation into the academy culture was facilitated by their interactions with coaches and parent peers.</li> <li>• Enhanced status and heightened responsibility to aid their son's development was felt by parents whose son was identified as being talented.</li> <li>• Parents, whilst supportive, were also instinctively inclined to protect their child, which manifest as uncertainty in relation to the commitment required to play at an academy level.</li> </ul>
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Clarke, Harwood & Cushion <sup>42</sup>	To explore parent's and children's experience of their interaction and relationship, in the context of elite youth football	Eight parent-player dyads, recruited from English professional football club youth academies.	Phenomenological interviews with all participants were performed. A two-stage analysis process was performed to explore individual parent and player experiences and examine how accounts related dyadically.	<ul style="list-style-type: none"> <li>• Parent-player relationships are built around relations with other family members, an embodied sense of closeness, the time-bound nature of football transitions, and gender relations.</li> <li>• Involvement in academy-level football brought about closeness between players and parents.</li> <li>• Gender issues were present within the male-dominated academy environment.</li> </ul>
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<b>EDUCATION</b>				
Christensen & Sorensen <sup>43</sup>	To explore how young Danish male football talents experience and describe these different forces in their life space.	25 footballers between 15-19 years old.	Data were collected using a narrative and qualitative approach, which included four focus group interviews with 25 footballers aged 15-19, followed by individual qualitative interviews with eight of the footballers.	<ul style="list-style-type: none"> <li>• The espoused value of a good set of academic qualifications does not entirely measure up to the allure of being a professional footballer.</li> <li>• The societal importance of completing compulsory education is manifest and associated with significant personal concerns, lower examinations results, stress, drop-out and mental breakdown.</li> </ul>

