

TITLE

The Impact of All-Rounders and Team Injury Status on Match and Series Success in International Cricket

AUTHOR

Tallent, Jamie; de Weymarn, Craig; Ahmun, Robert; et al.

JOURNAL

Journal of Sports Sciences

DATE DEPOSITED

20 July 2020

This version available at

<https://research.stmarys.ac.uk/id/eprint/4209/>

COPYRIGHT AND REUSE

Open Research Archive makes this work available, in accordance with publisher policies, for research purposes.

VERSIONS

The version presented here may differ from the published version. For citation purposes, please consult the published version for pagination, volume/issue and date of publication.

1 The Impact of All-Rounders and Team Injury Status on Match and Series Success in
2 International Cricket.

3 ¹**Jamie Tallent**, ²Craig de Weymarn, ²Robert Ahmun, ³Thomas W. Jones,

4

5 ¹School of Sport Health and Applied Science, St Mary's University, Twickenham, UK

6 ²England and Wales Cricket Board, Leicestershire, UK

7 ³Department of Sport Exercise and Rehabilitation, Northumbria University, Newcastle-upon-
8 Tyne, UK

9 Running Head: Injury Status and Team Performance

10 Word Count: 2450

11

12 **Address for correspondence:**

13 St Mary's University

14 Waldgrave Road

15 Twickenham

16 TW1 4SX

17 United Kingdom

18 Tel: +44 20 8240 4000

19 Fax: +44 20 8240 4255

20 Email: jamie.tallent@stmarys.ac.uk

21

22 Craig de Weymarn - craig.deweymarn@ecb.co.uk

23 Robert Ahmun - Rob.Ahmun@ecb.co.uk

24 Thomas Jones - thomas2.jones@northumbria.ac.uk

25 **The Impact of All-Rounders and Team Injury Status on Match and Series Success in**
26 **International Cricket.**

27

28 **ABSTRACT**

29 The association between injury status of the team and all-rounders on match outcome were
30 investigated in international cricketers. Time and non-time loss injuries were recorded over a
31 32-month period in 47 senior international cricketers. Team injury status was expressed on a
32 1-4 scale from “fully available” to “unavailable”. Generalised linear model (GLM) was
33 employed to examine whether team injury status and the injury status of all-rounders (AR)
34 and single skill (SS) players was associated with the outcome of the match or series. A
35 significant association between team injury status and match and series outcome was found.
36 Team mean injury status was 12.0% lower ($P < 0.001$; ES = 1.06) during successful series wins
37 and 7.8% lower ($P < 0.001$; ES = 0.66) during successful match outcomes. Skill group injury
38 status was also significantly associated with match ($P=0.001$) and series ($P=0.001$) outcomes
39 with AR exhibiting greater injury status than SS cricketers ($P < 0.001$, ES = 0.44). All injuries,
40 irrespective of time lost, influence the outcome of international cricket series’ and matches
41 with injuries to AR having a higher impact on the results. The findings will impact on the injury
42 prevention strategies in elite cricket.

43

44 **Key Words: Injury and Prevention, Game Analysis, Performance, Non-time loss Injuries**

45

46

47

48

49

50

51 **INTRODUCTION**

52 International cricket comprises of a high volume and density of matches. Currently, there is
53 an excess of 400 days of international cricket a year across all Test match playing nations
54 (McNamara, Gabbett, & Naughton, 2017). A fifth of the annual injury prevalence in fast
55 bowling may be attributed to high workload (Orchard, Kountouris, & Sims, 2016). While a
56 plethora of research has been generated in recent years targeting injury
57 prevention/reduction across all positions, (Ahmun, McCaig, Tallent, Williams, & Gabbett,
58 2018; Orchard et al., 2015a, 2015b; Warren, Williams, McCaig, & Trewartha, 2018), it is
59 surprising that the influence of injury status on match outcome has not yet been explored in
60 cricket.

61

62 Within sport it is commonly accepted that injury will have a negative influence on the success
63 of an individual or team. Currently, relatively little research exists to support this notion. In
64 individual sports such as athletics, the loss of training time appears to be a major determinate
65 of success or failure (Ray Smith and Drew, 2016). Within team sports, there are slightly more
66 contradictory findings, although the consensus is generally that injury has a negative
67 influence on the success of the team (Arnason et al., 2004; Dauty and Collon, 2011; Eirale,
68 Tol, Farooq, Smiley, & Chalabi, 2013; Hagglund et al., 2013; Podlog, Buhler, Pollack, Hopkins,
69 & Burgess, 2015; Ray Smith and Drew, 2016; Williams et al., 2016). Across 11-years, Hagglund,
70 et al. (2013) showed injuries influenced success in football domestic leagues and European
71 competition. To date, only injury incidence, time loss or burden have been assessed in studies
72 investigating the influence and impact of injury on performance. To the best of our
73 knowledge, these studies have failed to consider non-time-loss injuries.

74

75 The prevalence of non-time-loss injuries exceeds time-loss injuries in sport (Kerr et al., 2017).
76 Thus, it is suggested that current injury and performance literature does not fully reflect the
77 impact of injury on sport performance. By nature, cricket is a non-contact sport where
78 professionals are subject to high workloads, increasing the susceptibility to overuse injuries
79 (Orchard, Kountouris, et al., 2016). More specifically, the prevalence of non-time loss injuries

80 has been reported as three time higher than time-loss injuries in international cricket batters
81 and bowlers (Ranson, et al., 2013). It is therefore common for cricketers to train and compete
82 with injuries. Non-time loss injuries have the potential to compromise fielding position,
83 technique and potentially performance in cricket (Dutton, Tam, & Gray, 2019). It is therefore
84 essential that future injury analytical studies should reflect the injury management of
85 cricketers during competition. However, their impact on match outcome is unknown.

86

87 Injury and team success literature has also focused on the team as an entirety rather than
88 identifying individual roles within a team. Understanding the impact or the contribution to
89 success that individual roles or players have, may assist in the management of resources in
90 injury reduction programmes. The differences in team roles or positions on team success is
91 yet to be considered. Cricket has specialist single skilled players (batters, fast bowlers, spin
92 bowlers and wicketkeepers) as well as all-rounders who are selected specifically for both their
93 batting and bowling ability. Therefore, the injury status of all-rounders could be hypothesised
94 to have a greater influence on the team success when compared to single skilled cricketers.

95

96 The purpose of this study was to investigate the impact of injuries on match and series
97 outcome in international cricket over a 32 month period. Injuries were recorded in-line with
98 the recent cricket injury consensus statement (Orchard et al., 2016) and the influence on
99 match and series outcome analysed. The secondary aim of the study was to analyse the
100 impact of single skilled (are selected primarily to bat or bowl) to all-rounders (are selected to
101 bat and bowl) on match and series outcome in international cricket.

102

103 **METHODS**

104 *Participants and Sample*

105 Forty-seven players (age 26 ± 3 years, stature 1.84 ± 0.65 m, body mass 84.5 ± 7.9 kg) were
106 involved in the 32 month (29/09/15 – 29/05/18) observational study. Participants included all
107 players competing for the national team and consisted of 18 batters, 13 fast bowlers, 8

108 spinners, 5 all-rounders and 3 wicketkeepers. Number of matches, series and frequencies of
109 wins, losses, draws, ties and no results across Tests, One-Day Internationals (ODIs) and
110 Twenty20 (T20) contests are presented in Table 1. Project approval was gained through the
111 local ethics committee, in line with the declaration of Helsinki. Participants consented to the
112 use of this data as part of standard practices.

113 ****Insert Table 1 here****

114 *Injury Data*

115 For international matches, injury status was recorded for each match day by the team's
116 physiotherapist. To account for medical attention conditions, injury data was recorded in-line
117 with the recent international cricket consensus statement on injury surveillance (Orchard,
118 Ranson, et al., 2016). Each player's injury status was recorded on a 1-4 scale:

- 119 1. Fully available for training and matches, with no injury or illness
- 120 2. Fully available for training and matches, but with an injury or illness
- 121 3. Available for selection in a major match, but with modified activity due to injury or
122 illness
- 123 4. Unavailable for selection in a major match due to injury or illness

124 Time loss injuries were category 4, whilst category 2 and 3 were medical conditions that were
125 being actively treated and monitored but did not impact the physical availability of the player
126 in question. These categories included any pre-existing medical conditions.

127

128 Match outcome

129 Match and series outcome was recorded for all international matches over the 32 month
130 period (29/09/15 – 29/05/18). Only International Cricket Council sanctioned matches were
131 included in the analysis. Series were defined as more than a single match. World Cup and
132 triangular series were included in the analysis and winning series were defined as more
133 matches won than lost. Test match, One-Day and Twenty20 series were analysed
134 independently.

135 *Statistics*

136 Statistical analyses were conducted using SPSS statistical analysis software (SPSS, version 24,
137 Chicago, IL), with alpha levels of 0.05 set prior to data analysis. Analyses of the influence of
138 team injury status and outcomes was split into matches and series with injury status across
139 each day of the match in series being analysed. Analyses were also split to determine if the
140 injury status of “All-Rounders” (AR) or “Single Skill” (SS) players influenced the outcome of
141 matches or series. AR and SS classifications were defined based on whether the player was
142 selected to ideally contribute as a batter (SS), bowler (SS) or both (AR). Wicketkeepers were
143 defined as SS cricketers.

144 Generalised linear models were employed to examine whether team injury status and the
145 injury status of AR and SS players was associated with the outcome of series or matches. Team
146 injury status was modelled as the dependant variable and initially series or match outcome
147 (win or loss) were set as factors, with skill group (AR or SS) being added as a covariate once
148 the influence of team injury status alone had been determined and model fit established. In
149 all cases, model fit was established via visual inspection.

150 In addition, probabilistic magnitude-based inferences about the true value of outcomes were
151 employed (Batterham and Hopkins, 2006). Dependent variables were analysed to determine
152 the effect of the designated condition as the difference in change following each condition.
153 To calculate the possibility of difference, the smallest worthwhile effect for each dependent
154 variable was the smallest standardized change in the mean. ie: 0.2 times the between-subject
155 SD for baseline values of all participants. This method allows practical inferences to be drawn
156 using the approach identified by Batterham and Hopkins (2006). Furthermore, standardized
157 effect size (Cohen’s d) analyses were used to interpret the magnitude of any differences
158 (Cohen, 1992). As inferential statistics were employed here, confidence intervals were set at
159 90% as this is consistent with an unclear effect having >5% chance of being positive and >5%
160 chance of being negative.

161

162

163

164 **RESULTS**

165 *****Insert Table 2 here*****

166 The generalised linear mixed model indicated that the outcome of series' and matches were
167 associated with team injury status (Table 2). Furthermore, the model also indicated that the
168 injury status of specific skill groups (AR and SS) were associated with the outcome of a match
169 or series, as presented in Table 2. The details of team injury status' in winning and losing series
170 and matches are presented in Table 3. Across all matches and series, the injury status of AR
171 (1.50±0.43) was greater than that of SS (1.35±0.15) players ($P < .001$, ES = 0.44, 9.6%,
172 difference possible). Details of the injury status of AR and SS players during winning and losing
173 matches and series are presented in Table 4.

174 *****Insert Table 3 here*****

175 *****Insert Table 4 here*****

176 **DISCUSSION**

177 The main findings of the study show that team injury status influenced the match and series
178 outcome of international cricket. Furthermore, the AR injury status had an association on the
179 match outcome when compared to the SS cricketers across all forms of cricket.

180

181 The results (Table 2) of this study agree with findings from previous research which suggests
182 that injuries have a negative impact on the successful outcome of team performance (Eirale,
183 et al., 2013; Hagglund, et al., 2013; Williams, et al., 2016). Several possibilities exist for the
184 reduction in injury incidence or prevalence and improved team performance. The most likely
185 explanation is the ability of coaches to select an optimal team for each match, increasing the
186 chance of success (Hagglund, Walden, & Ekstrand, 2009). Further factors such as the
187 psychological impact of injury can also not be excluded (Ivarsson, Johnson, & Podlog, 2013),
188 as injuries to teammates can have negative effects on the mental state of the whole team
189 (Hurley, 2016). Although these results indicate a clear association between injury and
190 successful outcome, it also needs to be recognised that players spend more time in the field
191 during Test matches which are lost. This potentially increases the risk of overuse injuries,

192 particularly to bowlers (Orchard, Kountouris, et al., 2016). Conversely, winning sides often
193 bowl less and fast bowlers are exposed to less workload. Based on the findings of this study,
194 winning and losing may therefore directly influence the injury status of the squad.

195

196 This study provides a thorough overview of the impact of injury within international cricket
197 on performance (table 2). The nature of international cricket is that if a significant long-term
198 time loss injury occurs, the player will be released from the international squad and return to
199 their domestic county medical team to be rehabilitated in conjunction with the international
200 medical staff. As a result, the injury data of this study largely reflects the management and
201 severity of long-term non-time loss injuries within the current squad. It can therefore be
202 suggested that less modifications in match roles for players (such as not bowling if the player
203 is an AR, or fielding in a certain position) as a result of injuries and illnesses will enhance the
204 success of a professional cricket team.

205

206 The team injury and match results association (Table 2) and lower injury status during winning
207 matches (Table 3) in this study are similar to those reported in other team sports such as
208 rugby and football (Hagglund, et al., 2009; Hagglund, et al., 2013; Williams, et al., 2016). While
209 these sports are largely reliant on synergy between teammates to win, the success of a cricket
210 team is more likely to occur as a result of several individual performances. Therefore, it seems
211 appropriate that the injury status of the AR, have a greater influence on the outcome of the
212 match or series as they are required to contribute to the batting and bowling performance of
213 the team. Bowling has the highest injury incidence compared to batting and fielding (Goggins
214 et al., 2020), with bowlers showing the highest injury prevalence (Orchard et al., 2016).
215 Combining fast bowlers, batters and wicketkeepers in a single group may be over simplistic.
216 Therefore, the importance of skill specific roles (spin bowling, fast bowling, batting) should
217 be determined in future research. Finally, the importance of the player to the team needs to
218 be acknowledge in future studies. For example, an AR who is one of the better players in the
219 team may have a greater influence on the results compared to an AR who is selected to
220 provide balance in batting and bowling options within the team.

221 Professionals working within team sports invest a significant amount of time and resources
222 into developing an athlete's capacity for load, thus increasing their overall injury resilience
223 (Thorpe, Atkinson, Drust, & Gregson, 2017). The results of this study suggest that an
224 improvement in team injury status, particularly around AR, will have a positive effect on the
225 success of a cricket team. Consequently, practitioners should focus a significant amount of
226 their time, in the management of workloads and injury prevention protocols for AR. This
227 notion is further supported given that injury status was on average higher during the 32-
228 month period of observation in the AR when compared to the SS cricketers (Table 4). Thus,
229 there is a greater capacity to improve the injury status of the AR. However, whether this may
230 have a negative effect of the injury status of the SS cricketers is unclear.

231

232 **CONCLUSION**

233 Injuries to AR and SS cricketers influence the outcome of international cricket matches and
234 series. Furthermore, injury to AR significantly affects the outcome of matches more than SS
235 cricketers. Adequate preparation periods that focus on injury and illness preventions
236 strategies should be planned prior to international tours and domestic competitions. It may
237 be pertinent to focus available resources and provision of care on AR.

238

239

240

241

242

243

244

245

246

247

248

249 **Reference List**

- 250 Atkinson, G. (2007). What's behind the numbers? Important decisions in judging practical
251 significance. *Sportscience*, 11, 12-16.
- 252 Ahmun, R., McCaig, S., Tallent, J., Williams, S., & Gabbett, T. (2018). Association of Daily Workload,
253 Wellness, Injury and Illness during Tours in International Cricketers. *International journal of*
254 *sports physiology and performance*, 14(3), 369-377.
- 255 Arnason, A., Sigurdsson, S. B., Gudmundsson, A., Holme, I., Engebretsen, L., & Bahr, R. (2004).
256 Physical fitness, injuries, and team performance in soccer. *Medicine and Science in Sports*
257 *and Exercise*, 36(2), pp. 278-285.
- 258 Batterham, A. M., & Hopkins, W. G. (2006). Making meaningful inferences about magnitudes.
259 *International Journal Sports Physiolgy and Performance*, 1(1), pp. 50-57.
- 260 Cohen, J. (1992). A power primer. *Psychol Bull*, 112(1), pp. 155-159.
- 261 Dauty, M., & Collon, S. (2011). Incidence of injuries in French professional soccer players. *Int J Sports*
262 *Med*, 32(12), pp. 965-969.
- 263 Dutton, M., Tam, N., & Gray, J. (2019). Dutton, M., Tam, N., & Gray, J. (2019). Incidence and impact
264 of time loss and non-time-loss shoulder injury in elite South African cricketers: A one-season,
265 prospective cohort study. *Journal of Science and Medicine in Sport*, 22(11), 1200-1205.
- 266 Eirale, C., Tol, J. L., Farooq, A., Smiley, F., & Chalabi, H. (2013). Low injury rate strongly correlates
267 with team success in Qatari professional football. *British Journal of Sports Medicine*, 47(12),
268 pp. 807-808.
- 269 Goggins, L., Peirce, N., Ranson, C., McCaig, S., Newman, D., Langley, B., ... & Williams, S. (2020).
270 Injuries in England and Wales elite men's domestic cricket: A nine season review from 2010
271 to 2018. *Journal of Science and Medicine in Sport*.
- 272 Hagglund, M., Walden, M., & Ekstrand, J. (2009). UEFA injury study--an injury audit of European
273 Championships 2006 to 2008. *British Journal of Sports Medicine*, 43(7), pp. 483-489.
- 274 Hagglund, M., Walden, M., Magnusson, H., Kristenson, K., Bengtsson, H., & Ekstrand, J. (2013).
275 Injuries affect team performance negatively in professional football: an 11-year follow-up of
276 the UEFA Champions League injury study. *British Journal of Sports Medicine*, 47(12), pp. 738-
277 742.
- 278 Hurley, O. A. (2016). Impact of Player Injuries on Teams' Mental States, and Subsequent
279 Performances, at the Rugby World Cup 2015. *Frontiers in Psychology*, 7, 807.
- 280 Ivarsson, A., Johnson, U., & Podlog, L. (2013). Psychological predictors of injury occurrence: a
281 prospective investigation of professional Swedish soccer players. *Journal of Sport*
282 *Rehabilitation*, 22(1), 19-26.
- 283 Kerr, Z. Y., Lynall, R. C., Roos, K. G., Dalton, S. L., Djoko, A., & Dompier, T. P. (2017). Descriptive
284 Epidemiology of Non-Time-Loss Injuries in Collegiate and High School Student-Athletes.
285 *Journal of athletic training*, 52(5), 446-456.
- 286 McNamara, D. J., Gabbett, T. J., & Naughton, G. (2017). Assessment of Workload and its Effects on
287 Performance and Injury in Elite Cricket Fast Bowlers. *Sports medicine*, 47(3), pp. 503-515.
- 288 Orchard, J. W., Blanch, P., Paoloni, J., Kountouris, A., Sims, K., Orchard, J. J., & Brukner, P. (2015a).
289 Cricket fast bowling workload patterns as risk factors for tendon, muscle, bone and joint
290 injuries. *British Journal of Sports Medicine*, 49(16), pp. 1064-1068.
- 291 Orchard, J. W., Blanch, P., Paoloni, J., Kountouris, A., Sims, K., Orchard, J. J., & Brukner, P. (2015b).
292 Fast bowling match workloads over 5-26 days and risk of injury in the following month.
293 *Journal of Science and Medicine in Sport*, 18(1), pp. 26-30.
- 294 Orchard, J. W., Kountouris, A., & Sims, K. (2016). Incidence and prevalence of elite male cricket
295 injuries using updated consensus definitions. *Open Access Journal of Sports Medicine*, 7, pp.
296 187-194.

- 297 Orchard, J. W., Ranson, C., Olivier, B., Dhillon, M., Gray, J., Langley, B., . . . Finch, C. F. (2016).
298 International consensus statement on injury surveillance in cricket: a 2016 update. *British*
299 *Journal of Sports Medicine*, 50(20), pp. 1245-1251.
- 300 Podlog, L., Buhler, C. F., Pollack, H., Hopkins, P. N., & Burgess, P. R. (2015). Time trends for injuries
301 and illness, and their relation to performance in the National Basketball Association. *Journal*
302 *of Science and Medicine in Sport*, 18(3), pp. 278-282.
- 303 Raysmith, B. P., & Drew, M. K. (2016). Performance success or failure is influenced by weeks lost to
304 injury and illness in elite Australian track and field athletes: A 5-year prospective study.
305 *Journal of Science and Medicine in Sport*, 19(10), pp. 778-783.
- 306 Thorpe, R. T., Atkinson, G., Drust, B., & Gregson, W. (2017). Monitoring Fatigue Status in Elite Team-
307 Sport Athletes: Implications for Practice. *International Journal of Sports Physiology and*
308 *Performance*, 12(Suppl 2), pp. S227-S234.
- 309 Warren, A., Williams, S., McCaig, S., & Trewartha, G. (2018). High acute:chronic workloads are
310 associated with injury in England & Wales Cricket Board Development Programme fast
311 bowlers. *Journal of Science and Medicine in Sport*, 21(1), pp. 40-45.
- 312 Williams, S., Trewartha, G., Kemp, S. P., Brooks, J. H., Fuller, C. W., Taylor, A. E., . . . Stokes, K. A.
313 (2016). Time loss injuries compromise team success in Elite Rugby Union: a 7-year
314 prospective study. *British Journal of Sports Medicine*, 50(11), pp. 651-656.

315

316

317

318 **Table 1.** Total Test, One-Day International (ODI), Twenty20 (T20) series and matches played
 319 and frequencies of wins, losses, draws, ties and no results (and % of total) over the 32-month
 320 observational period.

	Total	Win	Loss	Draw	Tie	No result
Series						
Test	8	4 (50.0%)	3 (37.5%)	1 (12.5%)	n/a	n/a
ODI	11	9 (81.8%)	2 (18.2%)	0 (0.0%)	n/a	n/a
T20	4	2 (50.0%)	2 (50.0%)	0 (0.0%)	n/a	n/a
Matches						
Test	28	12 (42.9%)	12 (42.9%)	4 (14.2%)	0 (0.0%)	0 (0.0%)
ODI	42	29 (69.0%)	10 (23.8%)	n/a	1 (2.4%)	2 (4.8%)
T20	21	10 (47.6%)	10 (47.6%)	n/a	1 (4.8%)	0 (0.0%)

321

322 **Table 2.** Mean \pm SD team and skill group injury statuses in series and matches over the 32-
 323 month observational period, 90% confidence intervals (CI) and generalised linear model
 324 (GLM) associations with match outcomes are also presented.

325

	Team injury status		GLM <i>P</i> – value (χ^2)
	Win (90% CI)	Loss (90% CI)	
Series			
Team	1.41 \pm 0.16 (1.38 - 1.43)	1.60 \pm 0.20 (1.57 - 1.63)	<0.001 (52)
Skill group			
Single Skill	1.38 \pm 0.17 (1.35 - 1.41)	1.58 \pm 0.19 (1.55 - 1.62)	0.001 (48)
All rounder	1.45 \pm 0.43 (1.39 - 1.52)	1.67 \pm 0.50 (1.59 - 1.76)	
Match			
Team	1.42 \pm 0.16 (1.39 - 1.44)	1.54 \pm 0.21 (1.50 - 1.57)	0.017 (11)
Skill group			
Single Skill	1.38 \pm 0.18 (1.35 - 1.41)	1.51 \pm 0.20 (1.48 - 1.55)	0.001 (8.83)
All rounder	1.50 \pm 0.41 (1.43 - 1.57)	1.62 \pm 0.52 (1.53 - 1.70)	

326

327

328 **Table 3.** Mean \pm SD team injury statuses and differences between winning and losing series
 329 and matches over the 32-month observational period. Percentage differences ($\Delta\%$), Cohen's
 330 D effect sizes, magnitude based inference (MBI) are also presented.

Team injury status		$\Delta\%$	<i>P</i> - Value	Effect size	MBI
Win	Loss				qualitative inference
Series					
1.41 \pm 0.16	1.60 \pm 0.20	12.0	<.001	1.06	Effect very likely
Match					
1.42 \pm 0.16	1.54 \pm 0.21	7.8	<.001	0.66	Effect likely

331

332

333 **Table 4.** Mean \pm SD skill group injury statuses and differences in injury status between Single
 334 Skill players and All-Rounders in winning and losing series and matches over the 32-month
 335 observational period. Percentage differences ($\Delta\%$), Cohen's D effect sizes, magnitude based
 336 inference (MBI) are also presented.

Injury status		$\Delta\%$	P - Value	Effect size	MBI
Single Skill	All-Rounder				qualitative inference
Series – win					
1.38 \pm 0.17	1.45 \pm 0.43	5.5	0.042	0.43	Effect possible
Series – loss					
1.58 \pm 0.19	1.67 \pm 0.50	5.6	0.057	0.44	Effect possible
Match – win					
1.38 \pm 0.18	1.50 \pm 0.41	8.3	<0.001	0.49	Effect possible
Match – loss					
1.51 \pm 0.20	1.62 \pm 0.52	6.8	<0.001	0.46	Effect possible

337

338