

**Table S1.** Studies Discussing Psychopathy in Sporting Contexts

Author	Year	Participants	Instrument
Stanger, N., Kavussanu, M., Willoughby, et al., [44]	2012	n=66 Medium-High Contact (Team) Sport Athletes  n=40 male n=26 female	Moral Disengagement in Sport Scale–Short (MDS-S), Interpersonal Reactivity Index (IRI), Prosocial and Antisocial Behavior in Sport Scale (PABSS), Self-Report Psychopathy scale III (SRP-III), Self-Assessment Manikin, and other biodata
Nicholls, A.R., Madigan, D.J., Backhouse, et al [45]	2017	n=285 Competitive athletes  n= 217 male n=68 female	A study used the 8-item version of the Performance Enhancement Attitude Scale (PEAS) and the Short Dark Triad (SD3)
Ueno, Y., Shimotsukasa, T., Suyama, S., et al [33]	2017	n=506 Athletes from 42 different disciplines  n=217 male n=289 female	Demographic questions plus the Dark Triad Dirty Dozen (DTDD)

Vaughn, Carter, Cockroft, et al [46]	2018	n=762 Team and individual sport athletes  n=355 male n=407 female	Mental Toughness Questionnaire-48, SD3, and The International Physical Activity Questionnaire Short Form (IPAQ)
Nogueira, A., Tovar-Gálvez, M., González-Hernández, J., [47]	2019	n=241 Amateur endurance athletes  n=148 n=93 female	A study used Exercise Addiction Inventory (EAI), Grit-S, and SD3
Vaughan, R., Madigan, D.J., Carter, G.L., et al [48]	2019	n=1258 Team and individual sport athletes  n=633 male n=625 female	SD3
González-Hernández, J., Cuevas-Campos, R., Tovar-Gálvez, et al[49]	2020	n=806 Professional and amateur athletes, varying disciplines  n=483 male n=323 female	SD3 and the Competitiveness Scale-10 (C-10).

Nicholls, A.R., Madigan, D.J., Duncan, L., et al [50]	2020	n=164 Team and individual sport athletes  n=95 male n=69 female	SD3, Short-Form Performance Enhancement Attitude Scale (SF-PEAS), and a number matrix task.
Vaughan, R.S., Madigan, D.J., [31]	2020	n=189 Basketball players  n=110 male n=79 female	SD3, Multidimensional Competitive Orientation Inventory (MCOI), and basketball free throws.
González- Hernández J., Baños R., Morquecho- Sánchez R et al [51]	2021	n=426 Crossfit users and runners  n=257 male n=169 female	Multidimensional Perfectionism Scale (FMPS), SD3, and EAI
Greitemeyer, T. [52]	2022	n=811 Athletes from 46 different disciplines  n=291 n=520 female	Dark tetrad questionnaire, SDT, Assessment of Sadistic Personality questionnaire (ASP).

Sordia, N., Jauk, E., Martskvishvili , K [53]	2022	n=364 College students, including athletes  n= 162 male n= 202 female	Inventory of Creative Activities and Achievements (ICAA), SDT, Big Five Inventory (BFI), Big Six Personality Dimensions (HEXACO), Narcissistic Personality Inventory (NPI), Hypersensitive Narcissism Scale (HSNS), Levenson Self-Report Psychopathy Scale (LSRP), and the Triarchic Psychopathy Measure (TRIPM).
Zamani Sani SH, Greco G, Fathirezaie Z, et al. [54]	2023	n =464 athletes (team and individual sports)  n=199 male n=265 female	Dark Triad Scale (DTS), Insomnia Severity Index (ISI), Perceived Stress Scale (PSS), and the Moral Content Judgement in Sport Questionnaire (MCJSQ).
Piacentino D, Sani G, Kotzalidis et al [55]	2022	n=122 Gym athletes, bodybuilders  n=84 male n=38 female	Self Report Sociodemographic Questionnaire, Structured Clinical Interview for DSM IV Axis I Disorders (SCID-I), Structured Clinical Interview for DSM IV Axis II Disorders(SCID-II), Hamilton Depression Rating Scale (HDRS), Hamilton Anxiety Rating Scale (HARS), Young Mania Rating Scale (YMRS), Hypomania Checklist-32 (HCL-32), Mood Disorder Questionnaire (MDQ), Sick, Control, One, Fat, Food Eating Disorder Screening Test (SCOFF), and Barratt Impulsiveness Scale(BIS-II).

Hauger LE, Havnes IA, Jørstad ML, Bjørnebekk A., [56]	2021	n=139 Weightlifters, gym athletes  n=139 male	Alcohol Use Disorders Identification Test (AUDIT), Drug Use Disorders Identification Test (DUDIT), Wechsler Abbreviated Scale of Intelligence (WASI), Buss Perry Aggression Questionnaire (BPAQ), Behavior Rating Inventory of Executive Function-Adult version (BRIEF-A), and the antisocial personality subscale from The Millon Clinical Multiaxial Inventory-III (MCMI-III).
Nelson Brian S, Hildebrandt Tom, Wallisch Pascal [57]	2022	n=492 gym athletes  n=492 males	Demographic/self-report on events, training, etc, Barratt Impulsiveness Scale (BIS-11), Levinson Self-Report Psychopathy Scale (LSRP), Generalized Anxiety Disorder 7-item scale, Center for Epidemiologic Studies Short Depression Scale (CES-D 10), State Hostility Scale
Bryan, W., Donachie, T.C., Vaughan, R.S., et al [58]	2023	n=420 Team and individual sport athletes + coach pairs  n=130 male n=290 female	SD3 and the Competitive Aggressiveness, Anger Scale (CAAS)

Cook G.M., Fletcher D., Peyrebrune M [59]	2021	n=36 Swimming coaches  n=33 male n=3 female	BFI, DTDD, and Schutte Emotional Intelligence Scale (SEIS).
Cook G.M., Fletcher D., Peyrebrune M [60]	2022	n=38 Olympic swimmers  n=18 male n=20 female	BFI, DTDD, SEIS. For DTDD
Russell, G.W., [61]	1995	n=395 Hockey spectators  n=57 male n=46 female	LSRP, assault subscale of the Buss Durkee Hostility Inventory (BDHI), Bown's self-esteem measure, anomy scale from McClosky and Schaar, and demographic data.
Russell, G.W., Arms, R.L.[62]	1998	n=78 Hockey spectators  n=78 male	Sub scales of the AQ, LSRP, Grush Impulsivity Scale (GIS) Thrill and Adventure Seeking and Boredom Susceptibility subscales of Zuckerman's Sensation Seeking Scale (ZSSS), and Buss Scale of Public Self-consciousness.

Russell, G.W., Arms, R.L., Mustonen, A, [63]	1999	n=74 General sport spectators  n=74 male	Physical Aggression and Anger subscales of the Aggression Questionnaire (AQ), LSRP, GIS, Thrill and Adventure Seeking and Boredom Susceptibility sub scales of ZSSS, and Law and Order scale, and other biodata
Yoder KJ, Porges EC, Decety J. [64]	2015	n=43 MMA spectators  n=43 male	The Psychopathic Personality Inventory-Revised (PPI-R) and a brain scan (Philips Achieva 3T)
Međedović J, Kovačević U [65]	2020	n=246 football fans  n=246 males	Club Supporting Scale, Dirty Dozen questionnaire, Direct Sadism Scale, Measures of Criminal Attitudes and Associates, part B