

### WADA Funded Social Science Research Projects for 2021

Principal Investigator	Research Institution	Country (Countries Researched)	Project Title	Project Synopsis	Sports Covered by Research	Approved Allocations
<b>Tier 1 Projects</b>						
Scott McLean	University of Sunshine Coast	Australia	Optimising international doping control systems.	A systems level analysis of anti-doping processes in Australia to identify potential failures and how enhancements can be made.	<ul style="list-style-type: none"> <li>• Rugby Union</li> <li>• Rugby League Football</li> <li>• Aussie Rules Football</li> </ul>	<b>USD 60,000</b>
David Wyrick	University of North Carolina Greensboro, Prevention Strategies	Canada (Australia, Canada Denmark, New Zealand, Switzerland, USA)	Understanding athlete behavioural motivations and value characteristics for the purpose of clean sport education programming.	Determining values through Delphi study with coaches and athletes, development of a mobile values-based education app and conducting evaluation of the intervention.	<ul style="list-style-type: none"> <li>• Swimming</li> <li>• Weightlifting</li> <li>• Rugby</li> <li>• Curling</li> <li>• Wheelchair basketball</li> <li>• Wheelchair rugby</li> <li>• Figure skating</li> <li>• Athletics</li> <li>• Para-athletics</li> <li>• Diving</li> <li>• Cycling</li> <li>• Fencing</li> </ul>	<b>USD 48,738</b>
<b>Tier 2 Projects</b>						

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Daniel Wesmattelmann	University Muenster, Center Management	Germany  (N/A)	Unlocking the black box – Agent-based simulations to measure the effectiveness of sample storage and retesting.	Examining lab-based scenario simulations presented to athletes to determine the impact of sample storage relative to other anti-doping measures.	<ul style="list-style-type: none"> <li>• Cycling</li> <li>• Athletics</li> <li>• Football</li> </ul>	<b>USD 38,000</b>
Petr Tsarkov	Federal State Budgetary Institution  Federal Science Center for Physical Culture and Sport	Russian Federation  (Russia)	Legitimacy perceptions of the anti-doping system held by Russian athletes, athlete support personnel (ASP), and university students in sport disciplines.	Cross sectional study of legitimacy perceptions of 310 students followed by interviews with 50 students and ASP.	<ul style="list-style-type: none"> <li>• Cycling</li> <li>• Athletics</li> <li>• Biathlon</li> </ul>	<b>USD 20,000</b>
Yamikani Ndasauka	University of Malawi, Chancellor College	Malawi  (Malawi)	Developing an uMunthu-based Anti-Doping Education Framework in Malawi.	Adapting values-based education for African context and assessing impact of training and awareness campaign.	<ul style="list-style-type: none"> <li>• Football</li> <li>• Netball</li> <li>• Athletics</li> </ul>	<b>USD 45,000</b>
Jamie Barker	Loughborough University,	UK  (Member federations of IFCP)	The role of athlete support personnel  (ASP) in promoting clean sport	Exploration of how ASP influence  behaviour and vulnerability	<ul style="list-style-type: none"> <li>• Cerebral Palsy Football</li> </ul>	<b>USD 50,000</b>

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	School of Sport, Exercise and Health Sciences		behaviours and cultures within international cerebral palsy football.	through 40 athlete interviews and 45 ASP interviews.		
Karine Corrion	Université Côte d'Azur,  Laboratoire Motricité Humaine Expertise Sport Santé	France  (France Canada)	Physical and psychological vulnerability and doping in high-level cycling: explicit and implicit explanatory mechanisms.	Investigating vulnerability factors in cyclists, protective factors at each career stage, the relationships between these factors and a cyclists' intention to dope.	• Cycling	<b>USD 45,000</b>
<b>Tier 3 Projects</b>						
Tapfuma Mudawarima	DDT College of Medicine,  Physiotherapy Department	Botswana  (Zimbabwe)	Experience and knowledge of anti- doping programmes amongst athlete support personnel (ASP) in Zimbabwe	The study aims to examine the relationship between the level of experience and knowledge in doping amongst ASP and to provide a framework for doping prevention programme needs among ASP in Zimbabwe as well as other African countries with	<ul style="list-style-type: none"> <li>• Aquatics</li> <li>• Archery</li> <li>• Athletics</li> <li>• Badminton</li> <li>• Baseball</li> <li>• Basketball</li> <li>• Bowls</li> <li>• Boxing</li> <li>• Cycling</li> </ul>	<b>USD 4,000</b>

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				similar characteristics.		
Ming Chiang Lim	Hospital Sultan Haji Ahmad Shah,  Department of Pharmacy	Malaysia  (Malaysia, Cambodia, Vietnam, Singapore, Myanmar, Laos, Indonesia, Philippines)	Cultivating clean sport environment with athlete support personnel (ASP): Study on knowledge, perception and practice of ASP and educational programme.	The two-phase study aims to explore how to engage ASP in the development of young athletes' strong stance against doping through administration of questionnaires as well as development of online webinars for the stakeholders.	<ul style="list-style-type: none"> <li>• All sports</li> </ul>	<b>USD 19,942</b>
Shorena Khurtsidze	GESOMAR (Private social and market research company)	Georgia  (Georgia)	Identification and analyses the role of athlete support personnel's (ASP's) attitudes towards doping.	The project aims to conduct a quantitative and qualitative study of cognitive, emotional, and behavioural components of attitudes towards doping consumption, clean sport, poor-quality food and drugs-containing prohibited substances to	<ul style="list-style-type: none"> <li>• Wrestling</li> <li>• Judo</li> <li>• Sambo</li> <li>• Weightlifting</li> <li>• Boxing</li> <li>• Canoe/Kayak</li> <li>• Fencing</li> <li>• Gymnastics</li> <li>• Athletics</li> <li>• Cycling</li> <li>• IPC Powerlifting</li> <li>• Wheelchair Fencing</li> <li>• Para Judo</li> <li>• Football</li> <li>• Basketball</li> </ul>	<b>USD 15,300</b>

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				improve clean sport behaviours in Georgia	<ul style="list-style-type: none"> <li>• Rugby</li> </ul>	
Martin Yauma	Anti-Doping Agency of Kenya,  Department of Education and Research	Kenya  (Kenya)	Assessment of prevalence and predisposing factors of doping among athletes in dominant Olympic sports in Kenya.	Using an explanatory sequential design, mixed methods, and a conceptual framework including knowledge- based predisposing factors, the study findings will inform Anti-Doping Organizations (ADOs) on where to direct resources in intelligence testing and anti-doping education.	<ul style="list-style-type: none"> <li>• Middle- and long-distance athletics</li> <li>• Boxing</li> <li>• Rugby</li> <li>• Weightlifting</li> </ul>	<b>USD 20,000</b>
Nikola Jojić	University Business Academy Novi Sad,  Faculty of Pharmacy Novi Sad	Serbia  (Serbia)	Promotion of safe use of sport supplements and anti-doping culture in adolescents via social media platforms.	Hypothesizing that young athletes use supplements for growth and athletic performance without appropriate knowledge on their effects and safety, the non-experimental descriptive study	<ul style="list-style-type: none"> <li>• Youth Sports</li> </ul>	<b>USD 18,000</b>

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				will lead to the development of short videos on the correct use of sport supplements to be shared on social network platforms, i.e. Instagram and TikTok, as well as to the assessment of the intervention in Serbia.		
Lysias Tapiwanashe Charumbira	Bindura University of Science Education	Zimbabwe (Zimbabwe)	Effectiveness of Anti-doping: Developing Interventions that will Maximize the Development of Clean Sport  Behaviours in Zimbabwe.	The mixed-methods study based on WADA Research Package aims to measure and improve the effectiveness of existing anti-doping interventions for athletes, athlete support personnel, and parents in Zimbabwe.	<ul style="list-style-type: none"> <li>• Athletics</li> <li>• Body Building</li> <li>• Boxing</li> <li>• Cricket</li> <li>• Cycling</li> <li>• Football</li> <li>• Rugby</li> <li>• Paralympic Sport</li> <li>• Shooting</li> <li>• Swimming</li> </ul>	<b>USD 10,000</b>

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Jonathan Rotich	Kenyatta University  Recreation and Sports Management department	Kenya  (Kenya)	Knowledge, attitudes, and experiences on Anti-Doping of general practitioners and pharmacists in Kenya.	The cross-sectional study will assess anti-doping knowledge, attitudes and experiences of Kenyan GPs and pharmacist, looking at the influence of gender, age, and experience on athletes seeking anti-doping information.	<ul style="list-style-type: none"> <li>• Long distance running</li> <li>• Middle distance running</li> <li>• Marathon</li> </ul>	<b>USD 20,000</b>
Kim Nolte	University of Pretoria  Physiology (Division of Biokinetics and Sport Science)	South Africa  (South Africa)	Chronic disease, injury, medication use, doping attitudes, and the doping implications in South African masters athletes.	The research will contribute to the understanding of masters swimmers and other athletes in South Africa, focusing on their vulnerability to doping as a result of medication usage, as well as their perception of doping.	<ul style="list-style-type: none"> <li>• Swimming</li> </ul>	<b>USD 10,500</b>
Jorge Laurence	Comisión Nacional Antidopaje Argentina	Argentina  (Argentina)	Survey of athletes' beliefs and behaviours with respect to doping, and assessment of the effectiveness of	The study aims to evaluate doping-related attitudes, beliefs, and behaviours of high-level athletes in	<ul style="list-style-type: none"> <li>• Aquatics</li> <li>• Athletics</li> <li>• Arm Wrestling</li> <li>• Baseball</li> <li>• Badminton</li> <li>• Basketball</li> </ul>	<b>USD 10,000</b>

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	Education and Research		anti-doping programs.	<p>Argentina. Sets to improve and share the scope of work that needs to be conducted in line with the new International Standard of Education.</p> <p>Building on Phase 1 Study, Phase 2 will look to assess the impact of the CNAD's anti-doping efforts and identify risks as well as inform areas requiring intervention.</p>	<ul style="list-style-type: none"> <li>• Boxing</li> <li>• Bodybuilding</li> <li>• Canoe/Kayak</li> <li>• Cycling</li> </ul>	
Jean-Francois Clement	<p>Centre de recherche Charles-LeMoine /CR-CSIS</p> <p>Faculté de médecine et des sciences de la santé - Département de médecine de famille et de</p>	Canada (Canada)	Do factors of vulnerability to doping vary by sport and team practice? A Canadian clinical study.	A cross-sectional literature review and validated measurement tools will be used to identify vulnerability factors and doping intentions in sport with the objective to provide a better understanding of the associations between identified	<ul style="list-style-type: none"> <li>• Hockey</li> <li>• American Football</li> <li>• Soccer</li> </ul>	<b>USD 20,000</b>

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	médecine d'urgence			factors and doping intentions for three popular sports in North America.		
Eric Derrick Kipkoech Ngetich	MOI University  Management Science and Entrepreneurship	Kenya  (Kenya)	Influence of achievement goal orientation, motivational climate and sport supplements use on attitudes towards doping among Kenyan secondary school athletes.	By using a cross-sectional analytical design, the study aims to develop understanding of pathways of how sport supplement use influences identification of prevention and intervention strategies at an early stage. The findings will enhance the efficacy of educational programs and inform policies on doping prevention and clean sports achievement.	<ul style="list-style-type: none"> <li>• Basketball (boys and girls)</li> <li>• Hockey (boys and girls)</li> <li>• Rugby 15's &amp; 7's, (boys)</li> <li>• Swimming (boys and girls)</li> <li>• Handball (boys and girls)</li> <li>• Track &amp; field athletics (boys and girls)</li> <li>• Cross country (boys and girls)</li> <li>• Netball (girls)</li> <li>• Football U16 &amp; U19 (boys and girls)</li> <li>• Volleyball (boys and girls)</li> </ul>	<b>USD 20,000</b>