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Professor Setor Kwadzo Kunutsor

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Protected when completed

Professor Setor Kunutsor

Degrees

2011/4 - 2014/5	Doctorate, Public Health (Epidemiology & Statistics), University of Cambridge Degree Status: Completed
2005/10 - 2007/8	Master's Thesis, Master of Studies, University of Cambridge Degree Status: Completed
1998/6 - 2002/1	Bachelor's, MBChB, University of Ghana Degree Status: Completed
1995/1 - 1998/6	Bachelor's Honours, Bachelor of Sciences, University of Ghana Degree Status: Completed

Credentials

2017/5	Medical Practitioner, General Medical Council
2003/9	Medical Practitioner, Ghana Medical and Dental Council

Recognitions

2025/6 - 2026/6	Geroscience Outstanding Original Research Paper Award Honorable Mention American Aging Association
2025/3	European Journal of Preventive Cardiology Pantaleo Giannuzzi Award for Highly Cited Article European Journal of Preventive Cardiology
2024/12	Research Excellence & Impact Award category of University of Leicester's Citizens' Awards 2024 University of Leicester
2024/6	Geroscience Outstanding Original Research Paper Award GeroScience
2024/6	Mayo Clinic Proceedings Highly Cited Article Mayo Clinic Proceedings

Employment

2024/7	Professor, Evelyn Wyrzykowski Research Chair in Cardiology Department of Internal Medicine, Rady Faculty of Health Sciences, The University of Manitoba
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2024/5	Visiting Professor in Cardiometabolic Medicine Diabetes Research Centre, College of Life Sciences, University of Leicester
2015/8	Visiting Scientific Researcher Department of Medicine, Institute of Public Health & Clinical Nutrition, University of Eastern Finland
2022/10 - 2024/4	Associate Professor in Cardiometabolic Epidemiology Diabetes Research Centre, College of Life Sciences, University of Leicester
2019/5 - 2022/10	Honorary Senior Lecturer Diabetes Research Centre, College of Life Sciences, University of Leicester
2014/12 - 2022/9	Senior Lecturer in Evidence Synthesis Translational Health Sciences, Bristol Medical School, University of Bristol
2018/6 - 2018/10	Clinical Fellow North Bristol NHS Trust, Southmead Hospital, Bristol, UK
2009/2 - 2011/3	Research Fellow Nuffield Centre for International Health and Development, Leeds Institute of Health Sciences, The University of Leeds
2007/11 - 2009/2	Researcher Papworth Trust, Cambridge, UK
2007/7 - 2007/9	Projects Coordinator/Data Analyst Sport England East Region, Bedford, UK
2003/9 - 2005/9	Clinical Researcher Navrongo Health Research Centre, Navrongo, Ghana
2003/9 - 2005/9	Medical Officer Navrongo District Hospital, Navrongo, Ghana
2002/8 - 2003/8	Medical Officer West African AIDS Foundation, Accra, Ghana
2002/8 - 2003/8	House-Officer Korle-bu Teaching Hospital, Accra, Ghana

Affiliations

The primary affiliation is denoted by (*)

(*) 2024/7 Professor, Evelyn Wyrzykowski Research Chair in Cardiology, Department of Internal Medicine, The University of Manitoba

Research Funding History

Awarded [n=9]

2024/10 - 2029/9 Co-investigator	British Heart Foundation Research Excellence Award Funding Sources: British Heart Foundation Research Excellence (round 4) Total Funding - 5,374,313 Funding Competitive?: Yes
2024/7 - 2029/6 Principal Investigator	University of Manitoba Research Startup Funds Funding Sources:

	University of Manitoba University of Manitoba Research Startup Funds Total Funding - 175,000 Funding Competitive?: Yes
2024/7 - 2027/6 Principal Investigator	St. Boniface Hospital Research Startup Funds Funding Sources: St. Boniface Hospital St. Boniface Hospital Research Startup Funds Total Funding - 75,000 Funding Competitive?: Yes
2025/1 - 2026/8 Principal Investigator	The interplay between C-reactive protein, chronic kidney disease and adverse cardiovascular outcomes: A real-world population-based study Funding Sources: Novo Nordisk Canada Inc (Mississauga, ON) Novo Nordisk Canada Inc. (NNCI) Investigator Sponsored Studies (ISS) Program Total Funding - 100,019 Funding Competitive?: Yes Co-investigator : Tangri, Navdeep
2025/2 - 2026/7 Principal Investigator	Sex differences in trial representation and the cardiovascular effectiveness and safety of newer glucose-lowering agents in patients with and without type 2 diabetes: a systematic meta-analysis of cardiovascular outcome trials. Funding Sources: University of Manitoba University Research Grants Program Total Funding - 9,970 Funding Competitive?: Yes
2024/7 - 2026/6 Principal Investigator	Evelyn Wyrzykowski Research Chair Operating Funds Funding Sources: University of Manitoba Evelyn Wyrzykowski Research Chair Operating Funds Total Funding - 75,000 Funding Competitive?: Yes
2024/5 - 2026/5 Co-investigator	Effect of exercise-based lifestyle changes on symptom burden and severity in overweight and obese patients with atrial fibrillation Funding Sources: Finnish Foundation for Cardiovascular Research Not Applicable Total Funding - 179,288 Funding Competitive?: Yes
2025/2 - 2026/1 Principal Investigator	Sex differences in trial representation and the cardiovascular effectiveness and safety of newer glucose-lowering agents in patients with and without type 2 diabetes: a systematic meta-analysis of cardiovascular outcome trials. Funding Sources: St. Boniface Hospital & Research Foundation (Winnipeg) Cardiology Research Development Fund Total Funding - 10,000 Funding Competitive?: Yes

2024/3 - 2025/3 Principal Investigator	The impact of single pill combination versus free combination equivalents on clinical, patient reported and health economic outcomes in type 2 diabetes Funding Sources: SERVIER AFFAIRES MEDICALES Not Applicable Total Funding - 268,722 Funding Competitive?: Yes
Completed [n=9]	
2024/2 - 2025/8 Principal Investigator	Cardiovascular effectiveness of new classes of glucose-lowering agents, with and without baseline lipid lowering therapy in type 2 diabetes Funding Sources: Primary Care Diabetes Europe Primary Care Diabetes Europe Research Grant 2023 Total Funding - 14,939 Funding Competitive?: Yes
2023/3 - 2025/3 Principal Investigator	Glycaemic control and long-term macrovascular and microvascular outcomes Funding Sources: SERVIER AFFAIRES MEDICALES Not Applicable Total Funding - 268,716 Funding Competitive?: Yes
2022/8 - 2023/8 Co-investigator	A Faith Centre based model to improve the uptake of screening services for diabetes and cardiovascular disease in rural Ghana Funding Sources: European Foundation for the Study of Diabetes (EFSD) (Germany) Exploring and Applying New Strategies in Diabetes (EXPAND) Programme Total Funding - 149,383 Funding Competitive?: Yes
2022/12 - 2023/6 Principal Investigator	Racial/ethnic differences in the effect of glucagon-like peptide 1 receptor agonists and sodium–glucose co-transporter 2 inhibitors on cardiovascular and renal outcomes Funding Sources: Primary Care Diabetes Europe Primary Care Diabetes Europe Research Grant 2022 Total Funding - 14,938 Funding Competitive?: Yes
2021/9 - 2022/9 Co-investigator	Association of blood pressure with cardiovascular and mortality outcomes in older persons with or without diabetes mellitus Funding Sources: Primary Care Diabetes Europe Primary Care Diabetes Europe Research Grant 2021 Total Funding - 11,204 Funding Competitive?: Yes
2021/9 - 2022/9 Principal Investigator	Erectile dysfunction, phosphodiesterase-5 inhibitor use and risk of cardiovascular disease and mortality in people with diabetes Funding Sources: Primary Care Diabetes Europe Primary Care Diabetes Europe Research Grant 2021

	Total Funding - 11,204 Funding Competitive?: Yes
2020/9 - 2021/9 Principal Investigator	Indirect impact of the COVID-19 pandemic on hospitalisations for cardiometabolic conditions and their management Funding Sources: Primary Care Diabetes Europe Primary Care Diabetes Europe Research Grant 2020 Total Funding - 11,204 Funding Competitive?: Yes
2020/9 - 2021/9 Co-investigator	Benefits and harms of sodium-glucose co-transporter-2 inhibitors (SGLT-2i) and renin-angiotensin-aldosterone system inhibitors (RAAS-I) versus SGLT-2is alone in patients with type 2 diabetes Funding Sources: Primary Care Diabetes Europe Primary Care Diabetes Europe Research Grant 2020 Total Funding - 11,204 Funding Competitive?: Yes
2019/9 - 2020/9 Principal Investigator	Serum albumin and adverse cardiometabolic outcomes: systematic review and meta-analysis of published observational evidence Funding Sources: Primary Care Diabetes Europe Primary Care Diabetes Europe Research Grant 2019 Total Funding - 8,216 Funding Competitive?: Yes

Publications

Journal Articles

1. GBD 2021 Global Subarachnoid Hemorrhage Risk Factors Collaborators , Rautalin I , Volovici V , Stark BA , Johnson CO , Kaprio J , Korja M , Krishnamurthi RV , Nair BS , Ranta A , Rinkel GJE , Vergouwen MDI , Abate YH , Abbastabar H , Abd-Allah F , Abdelkader A , Abdi P , Abdollahi A , Abdullahi A , Abiodun OO , Aboagye RG , Abouzid M , Abtahi D , Abu Rumeileh S , Abualhasan A , Abualruz H , Abukhadajah HJ , Abu-Zaid A , Adamu LH , Addo IY , Adedoyin RA , Adegboye OA , Adra S , Adzibbli LA , Agyemang-Duah W , Ahinkorah BO , Ahmad A , Ahmad D , Ahmadzade AM , Ahmed A , Ahmed H , Ahmed SA , Aji B , Akkaif MA , Al-Ajlouni Y , Al-Aly Z , Albashtawy M , Ali MU , Alif SM , Alimohamadi Y , Aljunid SM , Alomari MA , Alrawashdeh A , Alsabri MA , Salman RA , Altaf A , Al-Tammemi AB , Alvis-Guzman N , Alwafi H , Al-Wardat M , Al-Worafi YM , Aly H , Alyahya MSI , Alzoubi KH , Amani R , Amin TT , Amindarolzarbi A , Amusa GA , Anderlini D , Angappan D , Anil A , Anuoluwa BS , Anwar S , Anyasodor AE ,. (2025). Global, Regional, and National Burden of Nontraumatic Subarachnoid Hemorrhage: The Global Burden of Disease Study 2021.JAMA neurology. 0(0): 00-00.
Published
2. GBD 2021 Adolescent BMI Collaborators. (2025). Global, regional, and national prevalence of child and adolescent overweight and obesity, 1990-2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021.Lancet (London, England). 405(10481): 785-812.
Published

3. Kunutsor SK, Bhattacharjee A, Jae SY, Laukkanen JA. (2025). A paradoxical association between A Body Shape Index and cardiometabolic multimorbidity: Findings from the English longitudinal study of ageing. *Nutrition, Metabolism and Cardiovascular Diseases*. 00(00): 00-00.
Published
4. GBD 2021 Adult BMI Collaborators. (2025). Global, regional, and national prevalence of adult overweight and obesity, 1990-2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021. *Lancet* (London, England). 405(10481): 813-838.
Published
5. Jae SY, Choi TG, Kim HJ, Kunutsor SK. (2025). Comparison of inspiratory muscle strength and aerobic exercise training and detraining on blood pressure in hypertensive patients. *Clinical Hypertension*. 31(0): 1-12.
Published
6. Kunutsor SK , Rikhtehgaran R , Connelly MA , Shalaurova I , Bakker SJL , Dullaart RPF. (2025). Associations of Multimarkers of Metabolic Malnutrition and Inflammation with All-Cause Mortality by Multimorbidity Status. *Nutrients*. 17(11): 1-13.
Published
7. Choi TG , Kim JY , Seong JY , Min HJ , Jung YJ , Kim YW , Cho MJ , Kim HJ , Kunutsor SK , Heffernan KS , Jae SY. (2025). Impaired Endothelial Function in Individuals With Post-Acute Sequelae of COVID-19: Effects of Combined Exercise Training. *Journal of cardiopulmonary rehabilitation and prevention*. 45(2): 146-152.
Published
8. Laukkanen JA, Kunutsor SK. (2025). Is Insomnia the Missing Piece in Chronic Kidney Disease Prevention Strategies?. *Mayo Clinic Proceedings*. 100(7): 1098-1100.
Published
9. Kunutsor SK, Connelly MA, Shah A, Bakker SJL, Dullaart RPF. (2025). Associations of high-density lipoprotein cholesterol, particles and subspecies with the risk of hypertension: findings from the PREVENT prospective study. *Journal of Hypertension*. 43(6): 1066-1074.
Published
10. Araújo CGS, Kunutsor SK, Eijssvogels TMH, Myers J, Laukkanen JA, Hamar D, Niebauer J, Bhattacharjee A, de Souza E Silva CG, Franca JF, Castro CLB. (2025). Muscle Power Versus Strength as a Predictor of Mortality in Middle-Aged and Older Men and Women. *Mayo Clinic proceedings*. 0(0): 1-13.
Published
- [11.](#) Hyun Jeong Kim, Tae Gu Choi, Setor K Kunutsor, Sae Young Jae. (2025). Is Inspiratory Muscle Training an Emerging Strategy for Blood Pressure Reduction? A Review of Current Evidence. *The Korean Journal of Sports Medicine*. 43: 78-86.
Published
12. GBD 2023 Vaccine Coverage Collaborators. (2025). Global, regional, and national trends in routine childhood vaccination coverage from 1980 to 2023 with forecasts to 2023: a systematic analysis for the Global Burden of Disease Study 2023. *Lancet*. 406(10500): 235-260.
Published
13. Laukkanen JA , Kurl S , Savonen K , Kunutsor SK. (2025). Higher cardiorespiratory fitness levels attenuate but do not negate the heightened risk of sudden cardiac death due to obesity: A prospective cohort study. *International journal of cardiology. Heart & vasculature*. 56: 101588.
Published
14. GBD 2021 Europe Life Expectancy Collaborators. (2025). Changing life expectancy in European countries 1990-2021: a subanalysis of causes and risk factors from the Global Burden of Disease Study 2021. *The Lancet. Public health*. 10: e172-e188.
Published

15. Cho DH , Jae SY , Kunutsor S , Choi J , Gwon JG. (2025). Longitudinal increase in physical activity and adverse cardiovascular outcomes following the diagnosis of acute coronary syndrome.British journal of sports medicine. 1: 1-10.
Published
16. Kunutsor SK , Jassal DS , Ravandi A , Lehoczki A. (2025). Dietary flaxseed: Cardiometabolic benefits and its role in promoting healthy aging.GeroScience. 1: 1-29.
Published
17. Kunutsor SK , Zaccardi F , Balasubramanian VG , Gillies CL , Aroda VR , Seidu S , Davies MJ , Khunti K. (2024). Glycaemic control and macrovascular and microvascular outcomes in type 2 diabetes: Systematic review and meta-analysis of cardiovascular outcome trials of novel glucose-lowering agents.Diabetes, obesity & metabolism. 26(5): 1837-1849.
Published
18. Kunutsor SK , Kauhanen J , Laukkanen JA. (2024). Frequent sauna bathing and psychosis: Interrelationship with cardiorespiratory fitness.Journal of psychiatric research. 175: 75-80.
Published
19. Kunutsor SK , Kurl S , Jae SY , Jassal DS , Savonen K , Laukkanen JA. (2024). The Interplay of Type 2 Diabetes Status, Cardiorespiratory Fitness Level, and Sudden Cardiac Death: A Prospective Cohort Study.CJC open. 6(11): 1403-1410.
Published
20. Jae SY , Yoon ES , Kim HJ , Cho MJ , Choo J , Kim JY , Kunutsor SK. (2024). Isometric handgrip versus aerobic exercise: a randomized trial evaluating central and ambulatory blood pressure outcomes in older hypertensive participants.Journal of hypertension. 43: 351-358.
Published
21. Kunutsor SK , Tetteh J , Dey RS , Touw DJ , Dullaart RPF , Bakker SJL. (2024). Self-reported smoking, urine cotinine, and risk of type 2 diabetes: Findings from the PREVEND prospective cohort study.Primary care diabetes. 18(4): 414-421.
Published
22. Laukkanen JA , Kunutsor SK. (2024). The multifaceted benefits of passive heat therapies for extending the healthspan: A comprehensive review with a focus on Finnish sauna.Temperature (Austin, Tex.). 11(1): 27-51.
Published
23. GBD 2021 Stroke Risk Factor Collaborators. (2024). Global, regional, and national burden of stroke and its risk factors, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021.The Lancet. Neurology. 23(10): 973-1003.
Published
24. Laukkanen JA , Kunutsor SK. (2024). Is Improving Educational Attainment Key to Reducing the Burden Because of Cardiovascular Diseases?. The American journal of cardiology. 213: 166-167.
Published
25. Kennedy GEM , Tharmaseelan A , Phillips JRA , Evans JT , Kunutsor SK. (2024). Does arthroscopic or open washout in native knee septic arthritis result in superior post-operative function? A systematic review and meta-analysis of randomised controlled trials and observational studies.Systematic reviews. 13(1): 106.
Published
26. Kunutsor SK , Seidu S , Dey RS , Baidoo IK , Oulhaj A. (2024). Cardiovascular and kidney benefits of SGLT-2is and GLP-1RAs according to baseline blood pressure in type 2 diabetes: a systematic meta-analysis of cardiovascular outcome trials.Scandinavian cardiovascular journal : SCJ. 58(1): 2418086.
Published

27. Laukkanen JA , Kunutsor SK. (2024). Sleep quality and its underrated role: Associations between sleep-related symptoms and cardiovascular biomarkers. *International journal of cardiology*. 395: 131570.
Published
28. Ungvari Z , Kunutsor SK. (2024). Coffee consumption and cardiometabolic health: a comprehensive review of the evidence. *GeroScience*. 1: 00-00.
Published
29. Kunutsor SK , Bhattacharjee A , Connelly MA , Bakker SJL , Dullaart RPF. (2024). Alcohol Consumption, High-Density Lipoprotein Particles and Subspecies, and Risk of Cardiovascular Disease: Findings from the PREVEND Prospective Study. *International journal of molecular sciences*. 25(4): 1-23.
Published
30. Kunutsor SK , Laukkanen JA. (2024). Hemodynamic gain index and risk of chronic kidney disease: A prospective cohort study of middle-aged and older men. *GeroScience*. 46(5): 5211-5215.
Published
31. Kunutsor SK , Isiozor NM , Kurl S , Laukkanen JA. (2024). Enhancing Cardiorespiratory Fitness Through Sauna Bathing: Insights From the Kuopio Ischemic Heart Disease Prospective Study. *Journal of cardiopulmonary rehabilitation and prevention*. 44(4): 295-300.
Published
32. Kunutsor SK , Laukkanen JA. (2024). A U-Shaped Challenge: Addressing Cardiovascular Outcomes in Cancer Patients With Body Mass Index Changes. *Mayo Clinic proceedings*. 99(6): 861-863.
Published
33. Blondon M , Kunutsor S. (2024). Evidence-based personalized thromboprophylaxis after major arthroplasty: a new horizon. *Journal of thrombosis and haemostasis : JTH*. 22(1): 48-49.
Published
34. Seidu S , Lawson CA , Kunutsor SK , Khunti K , Rosano GMC. (2024). Blood pressure levels and adverse cardiovascular outcomes in heart failure: A systematic review and meta-analysis. *European journal of heart failure*. 26(5): 1111-1124.
Published
35. Jae SY , Gwon JG , Kurl S , Kunutsor SK , Laukkanen JA. (2024). Association Between Exercise Systolic Blood Pressure and Risk of Stroke in Men With and Without Cardiovascular Disease. *Journal of cardiopulmonary rehabilitation and prevention*. 44(5): 377-381.
Published
36. Seidu S , Kunutsor SK. (2024). Response to Comment on Seidu et al. Efficacy and Safety of Continuous Glucose Monitoring and Intermittently Scanned Continuous Glucose Monitoring in Patients With Type 2 Diabetes: A Systematic Review and Meta-analysis of Interventional Evidence. *Diab. Diabetes care*. 47(7): e52-e53.
Published
37. Kunutsor SK , Jae SY , Kurl S , Laukkanen JA. (2024). Sauna bathing and mortality risk: unraveling the interaction with systolic blood pressure in a cohort of Finnish men. *Scandinavian cardiovascular journal : SCJ*. 58(1): 2302159.
Published
38. Kunutsor SK , Kaminsky LA , Lehoczki A , Laukkanen JA. (2024). Unraveling the link between cardiorespiratory fitness and cancer: a state-of-the-art review. *GeroScience*. 1: 00-00.
Published
39. He Y , Kunutsor SK , Kingsnorth AP , Gillies C , Choudhary P , Khunti K , Zaccardi F. (2024). Differential associations of risk factors with severe and non-severe hypoglycaemia: the Hypoglycaemia Assessment Tool prospective observational study in people with insulin-treated type 1 diabetes and type 2 diabetes. *Diabetes, obesity & metabolism*. 26(8): 3361-3370.
Published

40. Kunutsor SK , Dey RS , Touw DJ , Bakker SJL , Dullaart RPF. (2024). Urine cotinine versus self-reported smoking and the risk of chronic kidney disease.Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association. 39(10): 1683-1691.
Published
41. GBD 2021 Tobacco Forecasting Collaborators. (2024). Forecasting the effects of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to 2050: a systematic analysis for the Global Burden of Disease Study 2021.The Lancet. Public health. 9(10): e729-e744.
Published
42. Strang M , Broomfield J , Whitehouse M , Kunutsor S , Glyn-Jones S , Delmestri A , Blom A , Judge A. (2024). Association of intra-articular injection and knee arthroscopy prior to primary knee replacement with the timing and outcomes of surgery: Retrospective cohort study using data from the Clinical Practice Research Datalink GOLD database.PloS one. 19(11): e0311947.
Published
43. Sarkar A , Sanchez-Nadales A , Kunutsor SK , Hanna MA , Asher CR , Wolinsky DG. (2024). Outcomes of Octogenarian Patients Treated with Tafamidis for Transthyretin Amyloid Cardiomyopathy.The American journal of cardiology. 214: 144-148.
Published
44. Kunutsor SK , Lehoczki A , Laukkanen JA. (2024). The untapped potential of cold water therapy as part of a lifestyle intervention for promoting healthy aging.GeroScience. 1: 00-00.
Published
45. Mikova E , Kunutsor SK , Butler M , Murray JR. (2024). Focal resurfacing of the knee - A systematic review and meta-analysis.The Knee. 48: 63-75.
Published
46. Laukkanen JA , Kunutsor SK. (2024). Hypertension and Heart Health in Africa: A Call for Ethnic-Specific Cardiac Assessments.The American journal of cardiology. 213: 178-179.
Published
47. Kunutsor SK , Jae SY , Kurl S , Laukkanen JA. (2024). Hemodynamic gain index and risk of ventricular arrhythmias: a prospective cohort study.Scandinavian cardiovascular journal : SCJ. 58(1): 2347289.
Published
48. Cho MJ , Jung YJ , Min HJ , Kim HJ , Kunutsor SK , Jae SY. (2024). Sex disparities in physical activity domains and hypertension prevalence.Clinical hypertension. 30(1): 1.
Published
49. Kunutsor SK , Laukkanen JA. (2024). Physical activity, exercise and adverse cardiovascular outcomes in individuals with pre-existing cardiovascular disease: a narrative review.Expert review of cardiovascular therapy. 22(1-3): 91-101.
Published
50. Kunutsor SK , Kurl S , Laukkanen JA. (2024). Cardiorespiratory fitness, atrial fibrillation and stroke: a review of the evidence in 2024.Expert review of cardiovascular therapy. 1: 1-16.
Published
51. Araújo CGS , de Souza E Silva CG , Kunutsor SK , Franklin BA , Laukkanen JA , Myers J , Fiatarone Singh MA , Franca JF , Castro CLB. (2024). Reduced Body Flexibility Is Associated With Poor Survival in Middle-Aged Men and Women: A Prospective Cohort Study.Scandinavian journal of medicine & science in sports. 34(8): e14708.
Published
52. Jae SY , Lee KH , Kim HJ , Kunutsor SK , Pierce GL , Hui SS , Kang M. (2024). Association between cardiorespiratory fitness and trend of age-related rise in arterial stiffness in individuals with and without hypertension or diabetes.American journal of hypertension. 1: 00-00.
Published

53. Kunutsor SK , Khunti K , Seidu S. (2024). Racial, ethnic and regional differences in the effect of sodium-glucose co-transporter 2 inhibitors and glucagon-like peptide 1 receptor agonists on cardiovascular and renal outcomes: a systematic review and meta-analysis of cardiovascular outcome tr. *Journal of the Royal Society of Medicine*. 117(8): 267-283.
Published
54. Seidu S , Kunutsor SK , Ajjan RA , Choudhary P. (2024). Efficacy and Safety of Continuous Glucose Monitoring and Intermittently Scanned Continuous Glucose Monitoring in Patients With Type 2 Diabetes: A Systematic Review and Meta-analysis of Interventional Evidence.*Diabetes care*. 47(1): 169-179.
Published
55. Kunutsor SK , Seidu BS , Seidu S. (2024). Cardiovascular effectiveness of newer glucose-lowering agents, with and without baseline lipid-lowering therapy in type 2 diabetes: A systematic meta-analysis of cardiovascular outcome trials and real-world evidence.*Primary care diabetes*. 1: 00-00.
Published
56. Kunutsor SK , Seidu S , Kurl S , Laukkanen JA. (2024). Baseline and usual triglyceride-glucose index and the risk of chronic kidney disease: a prospective cohort study.*GeroScience*. 46(3): 3035-3046.
Published
57. Nonterah EA , Chatio ST , Willis A , Alale JA , Zakariah-Akoto S , Darko N , Curtis F , Kunutsor SK , Jones C , Seidu S , Ansah PO. (2024). Hypertension and diabetes control: faith-based centres offer a promise for expanding screening services and linkage to care in Ghana.*BMC primary care*. 25(1): 382.
Published
58. Kunutsor SK , Balasubramanian VG , Zaccardi F , Gillies CL , Aroda VR , Seidu S , Khunti K. (2024). Glycaemic control and macrovascular and microvascular outcomes: A systematic review and meta-analysis of trials investigating intensive glucose-lowering strategies in people with type 2 diabetes.*Diabetes, obesity & metabolism*. 26(6): 2069-2081.
Published
59. Laukkanen JA , Kunutsor SK , Immonen J , Hernesniemi J , Karvanen J , Eskola M , KARDIO study group. (2024). Diabetes and mortality risk in patients undergoing coronary angiography: The KARDIO study.*Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*. 1: 1-8.
Published
60. Kunutsor SK , Lehoczeki A , Laukkanen JA. (2024). Coffee consumption, cancer, and healthy aging: epidemiological evidence and underlying mechanisms.*GeroScience*. 1: 00-00.
Published
61. Lenguerrand E , Whitehouse MR , Beswick AD , Kunutsor SK , Webb JCJ , Mehendale S , Porter M , Blom AW , National Joint Registry for England, Wales, Northern Ireland, the Isle of Man, and the States of Guernsey. (2023). Mortality and re-revision following single-stage and two-stage revision surgery for the management of infected primary hip arthroplasty in England and Wales.*Bone & joint research*. 12(5): 321-330.
Published
62. Seidu S , Hambling CE , Kunutsor SK , Topsever P. (2023). Associations of blood pressure with cardiovascular and mortality outcomes in over 2 million older persons with or without diabetes mellitus: A systematic review and meta-analysis of 45 cohort studies.*Primary care diabetes*. 17(6): 554-567.
Published
63. Kunutsor SK , Jae SY , Laukkanen JA. (2023). 'Weekend warrior' and regularly active physical activity patterns confer similar cardiovascular and mortality benefits: a systematic meta-analysis.*European journal of preventive cardiology*. 30(3): e7-e10.
Published

64. Kunutsor SK , Voutilainen A , Laukkanen JA. (2023). Serum Copper-to-Zinc Ratio and Risk of Chronic Obstructive Pulmonary Disease: A Cohort Study.Lung. 201(1): 79-84.
Published
65. Willis A , Chatio S , Darko N , Nonterah EA , Zakariah-Akoto S , Alale J , Jones CR , Curtis F , Kunutsor S , Ansah PO , Seidu S. (2023). Cardiovascular disease prevention: Community Based Asset Mapping within religious networks in a rural Sub-Saharan African neighbourhood.PLOS global public health. 3(10): e0002201.
Published
66. Laukkanen JA , Jae SY , Kurl S , Kunutsor SK. (2023). High fitness levels attenuate the increased risk of cardiovascular deaths in individuals with high systolic blood pressure.European journal of preventive cardiology. 30(11): e59-e61.
Published
67. Kunutsor SK , Laukkanen JA. (2023). Does the Combination of Finnish Sauna Bathing and Other Lifestyle Factors Confer Additional Health Benefits? A Review of the Evidence.Mayo Clinic proceedings. 98(6): 915-926.
Published
68. Kunutsor SK , Laukkanen JA. (2023). The interplay between circulating high-density lipoprotein, age and fracture risk: a new cohort study and systematic meta-analysis.GeroScience. 45(4): 2727-2741.
Published
69. Isiozor NM , Kunutsor SK , Vogelsang D , Isiozor I , Kauhanen J , Laukkanen JA. (2023). Serum copper and the risk of cardiovascular disease death in Finnish men.Nutrition, metabolism, and cardiovascular diseases : NMCD. 33(1): 151-157.
Published
70. Laukkanen JA , Lavie CJ , Kunutsor SK. (2023). Association between Serum Testosterone and Aortic Valve Stenosis: A Prospective Cohort Study.Journal of cardiovascular development and disease. 10(11): 1-8.
Published
71. Ungvari Z , Fazekas-Pongor V , Csiszar A , Kunutsor SK. (2023). The multifaceted benefits of walking for healthy aging: from Blue Zones to molecular mechanisms.GeroScience. 45(6): 3211-3239.
Published
72. Laukkanen JA , Isiozor NM , Willeit P , Kunutsor SK. (2023). Haemodynamic Gain Index Is Associated with Risk of Sudden Cardiac Death and Improves Risk Prediction: A Cohort Study.Cardiology. 148(3): 246-256.
Published
73. Kunutsor SK , Khan H , Seidu S , Laukkanen JA. (2023). Percentage of Age-Predicted Cardiorespiratory Fitness May Be a Stronger Risk Indicator for Incident Type 2 Diabetes Than Absolute Levels of Cardiorespiratory Fitness.Journal of cardiopulmonary rehabilitation and prevention. 43(1): 66-73.
Published
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278. Kunutsor SK , Leyland S , Skelton DA , James L , Cox M , Gibbons N , Whitney J , Clark EM. (2018). Adverse events and safety issues associated with physical activity and exercise for adults with osteoporosis and osteopenia: A systematic review of observational studies and an updated review of interventional studies. *Journal of frailty, sarcopenia and falls*. 3(4): 155-178.
Published
279. Kunutsor SK , Beswick AD , Whitehouse MR , Wylde V , Blom AW. (2018). Debridement, antibiotics and implant retention for periprosthetic joint infections: A systematic review and meta-analysis of treatment outcomes. *The Journal of infection*. 77(6): 479-488.
Published
280. Jae SY , Franklin BA , Kurl S , Fernhall B , Kunutsor SK , Kauhanen J , Laukkanen JA. (2018). Effect of Cardiorespiratory Fitness on Risk of Sudden Cardiac Death in Overweight/Obese Men Aged 42 to 60 Years. *The American journal of cardiology*. 122(5): 775-779.
Published
281. Laukkanen JA , Laukkanen T , Khan H , Babar M , Kunutsor SK. (2018). Combined Effect of Sauna Bathing and Cardiorespiratory Fitness on the Risk of Sudden Cardiac Deaths in Caucasian Men: A Long-term Prospective Cohort Study. *Progress in cardiovascular diseases*. 60(6): 635-641.
Published
282. Kunutsor SK , Laukkanen JA , Burgess S. (2018). Genetically elevated gamma-glutamyltransferase and Alzheimer's disease. *Experimental gerontology*. 106: 61-66.
Published
283. Lenguerrand E , Whitehouse MR , Beswick AD , Kunutsor SK , Burston B , Porter M , Blom AW. (2018). Risk factors associated with revision for prosthetic joint infection after hip replacement: a prospective observational cohort study. *The Lancet. Infectious diseases*. 18(9): 1004-1014.
Published
284. Laukkanen T , Laukkanen JA , Kunutsor SK. (2018). Sauna Bathing and Risk of Psychotic Disorders: A Prospective Cohort Study. *Medical principles and practice : international journal of the Kuwait University, Health Science Centre*. 27(6): 562-569.
Published
285. Kieser DC , Wyatt MC , Beswick A , Kunutsor S , Hooper GJ. (2018). Does the type of surgical drape (disposable versus non-disposable) affect the risk of subsequent surgical site infection?. *Journal of orthopaedics*. 15(2): 566-570.
Published
286. Kunutsor SK , Khan H , Zaccardi F , Laukkanen T , Willeit P , Laukkanen JA. (2018). Sauna bathing reduces the risk of stroke in Finnish men and women: A prospective cohort study. *Neurology*. 90(22): e1937-e1944.
Published
287. Seidu S , Kunutsor SK , Cos X , Gillani S , Khunti K , For and on behalf of Primary Care Diabetes Europe. (2018). SGLT2 inhibitors and renal outcomes in type 2 diabetes with or without renal impairment: A systematic review and meta-analysis. *Primary care diabetes*. 12(3): 265-283.
Published
288. Kunutsor SK , Khan H , Laukkanen T , Laukkanen JA. (2018). Joint associations of sauna bathing and cardiorespiratory fitness on cardiovascular and all-cause mortality risk: a long-term prospective cohort study. *Annals of medicine*. 50(2): 139-146.
Published
289. Lee E , Laukkanen T , Kunutsor SK , Khan H , Willeit P , Zaccardi F , Laukkanen JA. (2018). Sauna exposure leads to improved arterial compliance: Findings from a non-randomised experimental study. *European journal of preventive cardiology*. 25(2): 130-138.
Published

290. Kunutsor SK , Spee JM , Kieneker LM , Gansevoort RT , Dullaart RPF , Voerman AJ , Touw DJ , Bakker SJL. (2018). Self-Reported Smoking, Urine Cotinine, and Risk of Cardiovascular Disease: Findings From the PREVEND (Prevention of Renal and Vascular End-Stage Disease) Prospective Cohort Study. *Journal of the American Heart Association*. 7(10): 1-15.
Published
291. Kunutsor SK , Whitehouse MR , Blom AW , Board T , Kay P , Wroblewski BM , Zeller V , Chen SY , Hsieh PH , Masri BA , Herman A , Jenny JY , Schwarzkopf R , Whittaker JP , Burston B , Huang R , Restrepo C , Parvizi J , Rudelli S , Honda E , Uip DE , Bori G , Muñoz-Mahamud E , Darley E , Ribera A , Cañas E , Cabo J , Cordero-Ampuero J , Redó MLS , Strange S , Lenguerrand E , Gooberman-Hill R , Webb J , MacGowan A , Dieppe P , Wilson M , Beswick AD , Global Infection Orthopaedic Management Collaboration. (2018). One- and two-stage surgical revision of peri-prosthetic joint infection of the hip: a pooled individual participant data analysis of 44 cohort studies. *European journal of epidemiology*. 33(10): 933-946.
Published
292. Laukkanen JA , Laukkanen T , Kunutsor SK. (2018). Cross-country skiing is associated with lower all-cause mortality: A population-based follow-up study. *Scandinavian journal of medicine & science in sports*. 28(3): 1064-1072.
Published
293. Laukkanen JA , Araújo CGS , Kurl S , Khan H , Jae SY , Guazzi M , Kunutsor SK. (2018). Relative peak exercise oxygen pulse is related to sudden cardiac death, cardiovascular and all-cause mortality in middle-aged men. *European journal of preventive cardiology*. 25(7): 772-782.
Published
294. Chowdhury R , Ramond A , O'Keeffe LM , Shahzad S , Kunutsor SK , Muka T , Gregson J , Willeit P , Warnakula S , Khan H , Chowdhury S , Gobin R , Franco OH , Di Angelantonio E. (2018). Environmental toxic metal contaminants and risk of cardiovascular disease: systematic review and meta-analysis. *BMJ (Clinical research ed.)*. 362: k3310.
Published
295. Kunutsor SK , Laukkanen T , Laukkanen JA. (2018). Longitudinal associations of sauna bathing with inflammation and oxidative stress: the KIID prospective cohort study. *Annals of medicine*. 50(5): 437-442.
Published
296. Kunutsor SK , Seidu S , Katechia DT , Laukkanen JA. (2018). Inverse association between serum albumin and future risk of venous thromboembolism: interrelationship with high sensitivity C-reactive protein. *Annals of medicine*. 50(3): 240-248.
Published
297. Jae SY , Kurl S , Fernhall B , Kunutsor SK , Franklin BA , Laukkanen JA. (2018). Are Metabolically Healthy Overweight/Obese Men at Increased Risk of Sudden Cardiac Death?. *Mayo Clinic proceedings*. 93(9): 1266-1270.
Published
298. Kunutsor SK , Seidu S , Khunti K. (2018). Depression, antidepressant use, and risk of venous thromboembolism: systematic review and meta-analysis of published observational evidence. *Annals of medicine*. 50(6): 529-537.
Published
299. Wang Y , Meng RW , Kunutsor SK , Chowdhury R , Yuan JM , Koh WP , Pan A. (2018). Plasma adiponectin levels and type 2 diabetes risk: a nested case-control study in a Chinese population and an updated meta-analysis. *Scientific reports*. 8(1): 406.
Published

300. Kunutsor SK , Laukkanen JA , Whitehouse MR , Blom AW. (2018). Adherence to a Mediterranean-style diet and incident fractures: pooled analysis of observational evidence. *European journal of nutrition*. 57(4): 1687-1700.
Published
301. Kunutsor SK , Flores-Guerrero JL , Kieneker LM , Nilsen T , Hidden C , Sundrehagen E , Seidu S , Dullaart RPF , Bakker SJL. (2018). Plasma calprotectin and risk of cardiovascular disease: Findings from the PREVEND prospective cohort study. *Atherosclerosis*. 275: 205-213.
Published
302. Kunutsor SK , Häkkinen A , Zaccardi F , Laukkanen T , Lee E , Willeit P , Khan H , Laukkanen JA. (2018). Short-term effects of Finnish sauna bathing on blood-based markers of cardiovascular function in non-naïve sauna users. *Heart and vessels*. 33(12): 1515-1524.
Published
303. Khan H , Kella D , Kunutsor SK , Savonen K , Laukkanen JA. (2018). Sleep Duration and Risk of Fatal Coronary Heart Disease, Sudden Cardiac Death, Cancer Death, and All-Cause Mortality. *The American journal of medicine*. 131(12): 1499-1505.e2.
Published
304. Kunutsor SK , Laukkanen T , Laukkanen JA. (2018). Cardiorespiratory fitness is associated with reduced risk of future psychosis: A long-term prospective cohort study. *Schizophrenia research*. 192: 473-474.
Published
305. Kunutsor SK , Gillatt D , Blom AW. (2018). Systematic review of the safety and efficacy of osseointegration prosthesis after limb amputation. *The British journal of surgery*. 105(13): 1731-1741.
Published
306. Zaccardi F , Kunutsor SK , Seidu S , Davies MJ , Khunti K. (2018). Is the lower risk of venous thromboembolism with statins related to low-density-lipoprotein reduction? A network meta-analysis and meta-regression of randomised controlled trials. *Atherosclerosis*. 271: 223-231.
Published

Clinical Care Guidelines

- [1.](#) Member of the Guideline Development Group. Recommendations from the ICM-VTE: Shoulder & Elbow. (2022).
Contributors: Members of the International Consensus Group
Description / Contribution Value: Guidelines developed by the International Consensus Group (ICM) Venous Thromboembolism Initiative
- [2.](#) Member of Guideline Development Group. Resuming Elective Orthopaedic Surgery During the COVID-19 Pandemic: Guidelines Developed by the International Consensus Group (ICM). (2020).
Contributors: Members of the International Consensus Group
Description / Contribution Value: Guidelines developed by the International Consensus Group (ICM) on resuming Elective Orthopaedic Surgery during the COVID-19 pandemic

Conference Publications

1. Nzechukwu M. Isiozor, Setor K. Kunutsor, Ari Voutilainen, Ifeanyichukwu Samuel, Bamba Gaye, Jussi Kauhanen, Jari A. Laukkanen. Cardiovascular health metrics and risk of heart failure in men. *Heart Failure 2020*, Barcelona, Spain
Conference Date: 2020/6
Abstract

Presentations

1. Setor K. Kunutsor. (2021). Systematic Reviews and Meta-analysis. Invited Talk - Leeds Beckett University, United Kingdom
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
2. Setor K. Kunutsor. (2021). Indirect effect of the COVID-19 Pandemic on hospitalisations for cardiometabolic conditions. European Association for the Study of Diabetes Annual Meeting, Italy
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
3. Setor K. Kunutsor. (2020). Who is most at risk of getting prosthetic joint infection: Findings from aggregate published evidence and a large prospective study. British Hip Society Symposium, United Kingdom
Main Audience: Researcher
Invited?: Yes, Keynote?: No
4. Setor K. Kunutsor. (2020). Systematic Reviews and Meta-analysis. Invited Talk - Leeds Beckett University, United Kingdom
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
5. Setor K. Kunutsor. (2019). Is sauna bathing the next vitamin D? The current scientific evidence. Diabetes Research Centre Lecture Series, United Kingdom
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes

Knowledge and Technology Translation

2021/7 - 2021/12	Member of Guideline Development Group, Policy/Regulation Development Activity Description: As a member of the International Consensus Group (ICM) Venous Thromboembolism Initiative, I played a key role in developing guidelines on the management and treatment of venous thromboembolism
2020/4 - 2020/12	Lead Methodologist, Policy/Regulation Development Activity Description: Led on a rapid review project during the COVID-19 pandemic with the Bristol Medical School and Centre for Medical Education to assess the feasibility of using remote Objective Structured Clinical Examinations (OSCEs) to replace face-to-face OSCEs. The findings were shared with other UK medical schools and served as a basis for the conduct of exams during the period
2020/3 - 2020/7	Member of Guideline Development Group, Policy/Regulation Development Activity Description: As an expert member of the International Consensus Group (ICM), I played a key role in developing guidelines on resuming Elective Orthopaedic Surgery during the COVID-19 pandemic
2014/5 - 2014/11	Lead Methodologist, Policy/Regulation Development Activity Description: Member of the Guideline Development Group for the first-ever National Guideline for Menopause in England and Wales. I was the Lead Methodologist and was involved in the collection and synthesis of clinical research evidence on several aspects of Guideline.

Student/Postdoctoral Supervision

Bachelor's [n=1]

2021/9 - 2022/9
Principal Supervisor Pravakar Hamal, University of Bristol
Thesis/Project Title: Clinical effectiveness of general versus regional anaesthesia in the treatment of hip fractures: systematic review and meta-analysis of randomised controlled trials
Present Position: Registrar

Master's Equivalent [n=1]

2022/9 - 2023/9
Principal Supervisor Kevin Watts, University of Leicester
Thesis/Project Title: The benefits and harms of sodium-glucose co-transporter 2 inhibitors for adults with type 2 diabetes and heart failure. A systemic review and meta-analysis
Present Position: Research Associate

Master's Thesis [n=4]

2022/9 - 2023/9
Co-Supervisor Grace Kennedy, University of Bristol
Thesis/Project Title: Is arthroscopic or open washout more effective in reducing the need for further washouts in native knee septic arthritis? A systematic review and meta-analysis of randomised controlled trials.
Present Position: Registrar

2022/9 - 2023/9
Co-Supervisor Lydia Jenkins, University of Bristol
Thesis/Project Title: Advantages and disadvantages of methods for diagnosis of scoliosis: a systematic review and narrative evidence synthesis
Present Position: Registrar

2021/9 - 2022/9
Co-Supervisor Sean Duffy, University of Bristol
Thesis/Project Title: Is there a role for ischaemic pre-conditioning in orthopaedic and trauma surgery? A systematic review and meta-analysis of randomised controlled trials
Present Position: Registrar

2020/9 - 2021/9
Principal Supervisor Alasdair Barrie, University of Bristol
Thesis/Project Title: What is known about the predictors of initiation of adolescent idiopathic scoliosis: systematic review and evidence synthesis
Present Position: Registrar

Doctorate [n=4]

2023/9
Co-Supervisor Monica Kundu, University of Leicester
Thesis/Project Title: Inequalities in precision medicine in under-served groups
Present Position: Student

2021/9 - 2024/3
Co-Supervisor Lauren Senior, Leeds Beckett University
Thesis/Project Title: Nutrition and Health Survey of West African, North African and Caribbean adults
Present Position: Student

2021/9
Co-Supervisor Richard Laurence Donovan, University of Bristol
Thesis/Project Title: Clinical and cost effectiveness of common orthopaedic surgical interventions
Present Position: Student

2018/9 - 2021/9
Co-Supervisor

Nzechukwu Michael Isiozor, University of Eastern Finland
Thesis/Project Title: Cardiovascular health metrics and risk of cardiovascular events and all-cause mortality among the Finnish populace
Present Position: Research Associate

Date Submitted: 2025-05-23 20:22:14

Confirmation Number: 1939166

Template: CIHR Biosketch

Dr. Diana C Sanchez Ramirez

Correspondence language: English

Sex: Female

Date of Birth: 6/04

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

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College of Rehabilitation Sciences
University of Manitoba
Winnipeg Manitoba R3E 0T6
Canada

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Email

Work (*)	diana.sanchez-ramirez@umanitoba.ca
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Website

Corporate	http://umanitoba.ca/rehabsciences/sanchez-ramirez.html
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Protected when completed

Dr. Diana Sanchez Ramirez

Degrees

2011/9 - 2014/6	Doctorate, Doctor in Biomedical Sciences (Erasmus Mundus European Joint PhD degree), Free University, Amsterdam - Vrije Universiteit Degree Status: Completed
2011/9 - 2014/6	Doctorate, Doctor in Biomedical Sciences (Erasmus Mundus European Joint PhD degree), Katholieke Universiteit Leuven (Dutch) Degree Status: Completed
2009/10 - 2011/7	Master's Thesis, MPH (Erasmus Mundus Joint Master Degree), Universidad de Granada Degree Status: Completed
2009/10 - 2011/6	Master's Thesis, MPH (Erasmus Mundus Joint Master Degree), University of Copenhagen Degree Status: Completed
1999/1 - 2004/4	Bachelor's, Physioterapist, University Industrial of Santander Degree Status: Completed

Credentials

2018/2	Physical Therapist (Reg #2574), College of Physiotherapist of Manitoba
2004/4	Pysiotherapist, Minister of Health of Colombia
2017/4 - 2017/9	Physical therapist (Reg #7978), Alberta Physiotherapy College and Association

Recognitions

2019/2	Research in Continuing Medical Education Young Investigator Award Society for Academic Continuing Medical Education (SACME)
2017/6	Outstanding graduated Industrial University of Santander
2012/7	3 Place- Best oral presentation at 1st annual MOVE age conference. Belgium MOVE age
2009/5	Academic Honor List: Fall 2008 and Spring 2009 Chabot college
2003/5	Outstanding student: second academic term of 2002 and first academic term of 2003 Universidad Industrial de Santander

Employment

2025/4	Associate Professor, Department of Respiratory Therapy, College of Rehabilitation Sciences Respiratory Therapy, College of Rehabilitation, The University of Manitoba
2020/1 - 2025/3	Assistant Professor, Department of Respiratory Therapy, College of Rehabilitation Sciences Respiratory Therapy, College of Rehabilitation, The University of Manitoba
2017/8 - 2019/12	Research Director, Office of Continuing Competences and Assessment Rady Faculty of Health Sciences, Office of Continuing Competency and Assessment, The University of Manitoba
2016/4 - 2017/8	Senior Research Associate. Injury Prevention Centre. School of Public Health. University of Alberta
2014/9 - 2016/3	Postdoctoral Fellow at Injury Prevention Centre University of Alberta
2011/9 - 2014/8	Researcher Free University, Amsterdam - Vrije Universiteit
2010/1 - 2011/1	Technical Support staff (International cooperation projects) Andalusia School of Public Health. Granada. Spain
2004/10 - 2006/7	Physiotherapist FISIOMED. Colombia

Affiliations

The primary affiliation is denoted by (*)

(*) 2020/1 Associate Professor, The University of Manitoba

Research Funding History

Awarded [n=12]

2023/1 - 2028/1 Co-investigator	Long COVID Web: Pan-Canadian Post-COVID Condition Research Network. Funding Sources: Canadian Institutes of Health Research (CIHR) Operating grant fall 2022 Total Funding - 20,000,000 Funding Competitive?: Yes Principal Investigator : Adeera Levin; Angela Cheung; Piush Mandhane; Simon Decary
2025/6 - 2026/5 Co-applicant	Novel-Game motor function telerehabilitation platform to improve upper limb functions in stroke patients Funding Sources: Riverview Health Centre Research Foundation Research Grant Total Funding - 13,535 Funding Competitive?: Yes Principal Applicant : Mirella Veras
2025/4 - 2026/4 Co-applicant	Experiential Learning Training Program in Simulation Funding Sources:

	University of Manitoba CoRS Endowment Fund Project Total Funding - 11,000 Funding Competitive?: Yes Principal Applicant : Louise Chartrand
2025/4 - 2026/4 Co-applicant	Exploring the contributions of dysphagia and oral health to exacerbations and patient well-being in Chronic Obstructive Pulmonary Disease Funding Sources: Canadian Institutes of Health Research (CIHR) Planning and Dissemination Grant Total Funding - 20,000 Funding Competitive?: Yes Principal Applicant : Catriona Steele
2025/1 - 2026/1 Co-applicant	Building relationships with Indigenous communities to advance digital health and primary care Funding Sources: University of Manitoba University Indigenous Research Program Total Funding - 14,670 Funding Competitive?: Yes Principal Applicant : Mirella Veras
2025/1 - 2026/1 Co-applicant	Associations between chronic health conditions and long COVID symptoms and the role of vaccinations status. Funding Sources: Long COVID Web (CIHR funded) Seed Funding Total Funding - 50,000 Funding Competitive?: Yes Principal Applicant : Nazeem Muhajarine
2025/1 - 2026/1 Co-applicant	Does long COVID disrupt the dynamic integrated regulation of the autonomic and cardiovascular responses? Funding Sources: Long COVID Web (CHIR funded) Seed Funding Total Funding - 50,000 Funding Competitive?: Yes Principal Applicant : Rodrigo Villar
2020/1 - 2025/12 Principal Investigator	New faculty Start-up funds Funding Sources: University of Manitoba Start-up funds Total Funding - 150,000 Funding Competitive?: No
2024/12 - 2025/12 Co-applicant	Addressing Research Priorities in Long COVID and Rehabilitation in Canada: Advancing Research, Education and Clinical Practice Funding Sources: Canadian Institutes of Health Research (CIHR)

CIHR Planning and Dissemination Grant.
Total Funding - 20,000
Funding Competitive?: Yes
Principal Applicant : Kelly O'Brian

2023/6 - 2025/7
Principal Applicant Effect of Pulmonary Telerehabilitation and Telemonitoring for patients with chronic respiratory diseases: a feasibility study

Funding Sources:
Manitoba Medical Service Foundation (MMSF)
Operating Grant
Total Funding - 29,000
Funding Competitive?: Yes
Collaborator : Sandra Webber

2024/1 - 2025/1
Co-applicant Development of a Framework to Inform Models of Care for People Living with Long COVID Symptoms

Funding Sources:
Long COVID Web (CHIR funded)
Supporting Pan-Canadian Long COVID Research
Total Funding - 50,000
Funding Competitive?: Yes
Co-applicant : Alison Hoens; Codie Primeau; Kelly O'Brien; Lorraine Graves; Maxi Miciak; Susan Law;
Principal Applicant : Linda Li

2024/2 - 2025/1
Co-investigator Remote delivered, Education and Strategies intervention for improving symptoms self-management of people with PCC

Funding Sources:
Long COVID Web (CHIR funded)
Funding call
Total Funding - 25,000
Funding Competitive?: Yes
Co-investigator : Bhanu Sharma; Brenda Colella; Donna Stewart; Georges Monette; Iulia Niculescu; Mary Pat McAndrews; Susan Abbey; Susie Goulding;
Collaborator : Laura Heath;
Principal Applicant : Robin Green

Completed [n=6]

2022/3 - 2025/1
Principal Investigator Self-management of post-COVID-19 syndrome using wearable biometric technology

Funding Sources:
University of Manitoba
University Collaborative Research Program
Total Funding - 24,978
Funding Competitive?: Yes
Co-investigator : Rodrigo Villar

2023/7 - 2024/6
Principal Investigator Using wearable technology to explore physical activity levels and cardiovascular responses in post-COVID-19

Funding Sources:
Physiotherapy Foundation of Canada

	Research Grant in Long COVID Total Funding - 4,000 Funding Competitive?: Yes
2022/5 - 2023/12 Principal Investigator	Association between physical activity, cardiorespiratory responses and symptom exacerbation in patients with post-COVID-19 syndrome. Funding Sources: Manitoba Lung Association Operating Grant 2022/2023 Total Funding - 30,000 Funding Competitive?: Yes Co-investigator : Brenda Tittlemier; Sandra Webber; Tanya Kozera
2022/6 - 2023/5 Co-investigator	Canadian ADaptive Platform Trial of COVID-19 Therapeutics in Community Settings (Can-ADAPT COVID). Funding Sources: Canadian Institutes of Health Research (CIHR) Operating Grant Total Funding - 10,000,000 Funding Competitive?: Yes Principal Investigator : Amanda Condon; Andrew Pinto; Bruno da Costa; Corinne Hohl; Emily McDonald; Kerry MvBrien; Michelle Greiver; Peter Daley; Peter Juni; Peter Selby; Srinivas Murthy; Todd Lee
2021/9 - 2022/8 Principal Investigator	Virtual Pulmonary Rehabilitation post COVID-19: A pilot study Funding Sources: Health Sciences Centre Foundation (Winnipeg) Allied Health Grant Total Funding - 22,428 Funding Competitive?: Yes Co-investigator : Brenda Semenko; Greg Hodges; Melissa Colbeck
2021/1 - 2022/7 Principal Investigator	Using technology to engage patients with interstitial lung diseases in a home exercise program Funding Sources: University of Manitoba University Research Grants Program (URGP) Total Funding - 9,994 Funding Competitive?: Yes

Publications

Journal Articles

1. Adodo, R; Sarmento, A; Villar, R; Webber, S; Sanchez-Ramirez, DC. (2025). Longitudinal relationship between heart rate and physical activity in people with post COVID-19 syndrome. Journal of Rehabilitation Medicine. x: x.
Submitted
Refereed?: Yes, Open Access?: Yes

2. Sarmiento, A; Webber, S; Sargent, S; Tittlemier, B; Sanchez-Ramirez, DC. (2025). Association between physical activity, cardiorespiratory responses, and symptom exacerbation in patients with post-COVID-19 syndrome. *Journal of Clinical Medicine*. x: x.
Revision Requested
- [3.](#) Pommer, A; Sarmiento A., Singer, A; Loewen, H; Torres-Castro, R; Sanchez-Ramirez, DC. (2024). Virtual assessment and management of chronic cough: A scoping review. *Digital Health*. 10: x.
Published
Refereed?: Yes
- [4.](#) Sanchez-Ramirez DC, Pol M, Loewen H, Choukou MA. (2024). Effect of telemonitoring and telerehabilitation on physical activity, exercise capacity, health-related quality of life and healthcare use in patients with chronic lung diseases or COVID-19: a scoping review. *Journal of Telemedicine and Telecare*. 30(7): 1097-1115.
Published
Refereed?: Yes, Open Access?: Yes
- [5.](#) Sarmiento, A.; King, K.; Sanchez-Ramirez, DC. (2024). Using Remote Technology to Engage Patients with Interstitial Lung Diseases in a Home Exercise Program: A Pilot Study. *Life*. 14: 265.
Published
Refereed?: Yes
6. Leanne Kosowan L.; Sanchez-Ramirez DC; Katz A. (2024). Understanding Long COVID Syndrome and healthcare use among community-based populations in Manitoba, Canada: an observational cross-sectional survey. *BMJ Open*. 14: e075301.
Published
Refereed?: Yes, Open Access?: Yes
- [7.](#) Jacome-Hortua, A.; Rincon-Rueda, Z.; Sanchez-Ramirez, DC.; Angarita-Fonseca, A. (2024). Effect of a WhatsApp-Assisted Health Educational Intervention for Cardiac Rehabilitation: A Randomized Controlled Trial Protocol. *Methods and protocols*. 7: 35.
Published
Refereed?: Yes
- [8.](#) Ghaffar, A; Bachani, A; Hyder, A; Cieza, A; Bhangu, A; Bussi res, A; Sanchez-Ramirez, DC; Gandhi, D; Verbunt, J; Rasanathan, K; Gustafsson, L; C  t  , P; Reebye, R; De la Cerna-Luna, R; Negrini, S; Frontera, W; Kamalakannan, S. (2024). Role and promise of health policy and systems research in integrating rehabilitation into the health systems. *Health Research Policy and Systems*. 22(1): 0.
Published
Refereed?: Yes, Open Access?: Yes
9. Pommer, A; Halas, G; Mendis, R; Campbell, C; Semenko, B; Stadnyk, B; Thalman, L; Mair, S; Johnston, N; Sun, E; Sanchez-Ramirez, DC. (2024). Reaching out to patients with Long COVID to better understand their life experiences and how to support their recovery. *International Journal of Environmental Research and Public Health Manuscript*. 21(2): 10.3390/ijerph210201.
Published
Refereed?: Yes, Open Access?: Yes
- [10.](#) Sarmiento, A.; Adodo, R.; Hodges, G.; Webber, S.; Sanchez-Ramirez, DC. (2024). Virtual pulmonary rehabilitation approaches in patients with post COVID syndrome: a pilot study. *BMC Pulmonary Medicine*. 24: 139.
Published
Refereed?: Yes, Open Access?: Yes

11. [Caicedo-Trujillo, S.; Torres-Castro, R.; Vasconcello-Castillo, L.; Solis-Navarro, L.; Sanchez-Ramirez, DC.; Nunez-Cortes, R.; Vera-Urbe, R.; Munos-Munoz, I.; Barros-Poblete, M.; Romero, JE.; Vilaro, J. \(2023\). Respiratory muscle training in patients with obesity: A systematic Review ad meta-analysis. Front. Med.10: 1284689.
Published
Refereed?: Yes](#)
12. Larrateguy S.; Vinagre J.; Londero F.; Dabin J.; Ricciardi E.; Jeanpaul S.; Torres-Castro R.; Núñez-Cortés R.; Sanchez-Ramirez DC; Gimeno-Santos E.; Blanco I. (2023). Clinical variables related to functional capacity and exertional desaturation in patients with COVID-19.Biomedicines. 11(7): 2051.
Published
Refereed?: Yes, Open Access?: Yes
13. Angarita-Fonseca A.; Torres-Castro R.; Benavides V.; Chero S.; Morales M.; Hernandez B.; Salazar R.; Larrateguy S.; Sanchez-Ramirez DC. (2023). Exploring long COVID condition in Latin America: its impact on patients' activities and associated healthcare use. Front. Med. 10: 1168628.
Published
Refereed?: Yes, Open Access?: Yes
14. Pommer A., Halas G., Mendis R., Campbell C., Semenko B., Stadnyk B., Thalman L., Mair S., Johnston N., Sun E., Sanchez-Ramirez DC. (2023). Reaching out to patients with Long COVID to better understand their life experiences and how to support their recovery: A patient-oriented knowledge sharing session. International Journal of Environmental Research and Public Health. 21(2): 187.
Published
Refereed?: Yes, Open Access?: Yes
15. Campos C; Prokopich S; Loewen, H. Sanchez-Ramirez DC. (2022). Long-Term effect of COVID-19 on Lung Imaging and Function, Cardiorespiratory Symptoms, Fatigue, Exercise Capacity, and Functional Capacity in Children and Adolescents: A Systemic Review and Meta-analyses. Healthcare. 10(12): 2492.
Published
Refereed?: Yes, Open Access?: Yes
16. [Sanchez-Ramirez, DC; Kosowan, L; Singer, A. \(2022\). Management of cough in patients with idiopathic interstitial lung diseases in primary care. Chronic Respiratory Disease. 19: 0.
Published
Refereed?: Yes, Open Access?: Yes](#)
17. Sanchez-Ramirez DC , Singer A , Alan Katz, Kosowan L , Polimeni C. (2022). Increasing likelihood of prescribing recommending lipid management: Primary care providers' participation in cardiology continuing medical education. Canadian Family Physician. 68(1): 39-46.
Published
Refereed?: Yes
18. [Choukou A; Sanchez-Ramirez DC; Pol M; Uddin M; Syed-Abdul S. \(2022\). COVID-19 infodemic and digital health literacy in vulnerable populations: a scoping review. Digital Health. 0: 0.
Published
Refereed?: Yes, Open Access?: Yes](#)
19. [Sanchez-Ramirez DC. \(2022\). Impact of Pulmonary Rehabilitation services in patients with different lung diseases. Journal of Clinical Medicine. 11\(2\): 407.
Published
Refereed?: Yes](#)
20. [Sanchez-Ramirez DC; Kosowan, L; Katz, A; Singer, A; Polimeni, C. \(2022\). Increasing likelihood of prescribing recommended lipid management: Primary care providers' participation in cardiology continuing medical education. Canadian Family Physician. 68\(1\): 39-46.
Published
Refereed?: Yes, Open Access?: No](#)

21. Nagel D, Naccarato T, Philip M, Ploszay V, Winkler J, Sanchez-Ramirez DC, Penner J. (2022). Understanding student-run health initiatives in the context of community-based services: A concept analysis and proposed definitions. *Journal of Primary Care & Community Health*. 13: x. Published
22. Sanchez-Ramirez DC, Normand K, Zhaoyun Y, Torres-Castro R. (2021). Long-Term Impact of COVID-19: A Systematic Review of the Literature and Meta-Analysis. *Biomedicines*. 9(8): 900. Published
Refereed?: Yes, Open Access?: Yes
23. Pizarro-Pennarolli C, Sánchez-Rojas C, Torres-Castro R, Vera-Urbe R, Sanchez-Ramirez DC, Vasconcello-Castillo L, Solís-Navarro L, Rivera-Lillo G.. (2021). Assessment of activities of daily living in patients post COVID-19: a systematic review. *PeerJ*. 9: e11026. Published
Refereed?: Yes, Open Access?: Yes
24. Sanchez-Ramirez DC, Mackey D. (2020). Underlying respiratory diseases, specifically COPD, and smoking are associated with severe COVID-19 outcomes: A systematic review and meta-analysis. *Respiratory Medicine*. 171: 106096. Published
Refereed?: Yes
25. Sanchez-Ramirez DC, Chen Y, Randall J, Sporidis MJ, Svenson L, Voaklander B, Voaklander D. (2019). Injury-related health services use and mortality among Métis people in Alberta. *Canadian Journal of Public Health*. 110(4): 422-429. Published
Refereed?: Yes
26. Sanchez-Ramirez DC , Singer A , Kosowan L , Polimeni C. (2019). Exploring Clinical Care Among Adults With Diabetes Mellitus: Alignment With Recommended Statin and Sulfonylureas Treatment. *Canadian journal of diabetes*. 43(7): 498-503. Published
Refereed?: Yes
27. Sanchez-Ramirez DC, Polimeni C. (2019). Knowledge and implementation of current opioids guideline among healthcare providers in Manitoba. *Journal of Opioid management*. 15(1): 27-34. Published
Refereed?: Yes
28. Sanchez-Ramirez DC, Jones A., Voaklander D. (2018). Fall-related injury among people with arthritis, a concern among different age groups!. *Journal of Epidemiological Research*. 4: 9-15. Published
Refereed?: Yes
29. Sanchez-Ramirez DC, Long H, Stephanie M, Casey H. (2018). Obesity Education for front-line Healthcare Providers. *BMC Medical Education*. 18(1): 278. Published
Refereed?: Yes, Open Access?: Yes
30. Sanchez-Ramirez DC, Voaklander D. (2018). The impact of policies regulating alcohol trading hours and days on specific alcohol-related harm: A systematic review. *Inj Prev*. 24(1): 94-100. Published
Refereed?: Yes
31. Sanchez-Ramirez DC, Franklin R, Voaklander D. (2018). Perceptions about alcohol harm and alcohol-control strategies among people with high risk of alcohol consumption in Alberta and Queensland. *J Prev Med Public Health*. 51(1): 41-50. Published
Refereed?: Yes

Reports

1. Thille P, Cooper J, Jansson A, Leclair L, Parsons J, Webber S, Sanchez-Ramirez DS, Tittlemier B, Brown C, Wener P, Fricke M, Sibley K. (2022). Advocating for Long COVID Rehabilitation Support in Manitoba: An Environmental Scan. 26. The University of Manitoba

Conference Publications

1. Katz A; Sanchez-Ramirez DC, Singer A; Spiwak R, Logsetty S; Enns J; Yogendran M; Cavett T; Keynan Y; Olafson K; Urquia M; Muthukumarana S; Mathara S; Lix; Nickel N; Star L; Kosena I; Kitchen K; Mayer M; Kliewer D; Afful A; Anhorn Q. Exploiting administrative claims data through modeling and creativity: Epidemiology of Post COVID syndrome. 51st NAPCRG Annual Meeting, San Francisco, United States of America
Conference Date: 2023/10
Abstract
Refereed?: Yes
2. Torres-Castro R.; Angarita-Fonseca A.; Benavides V.; Chero S.; Morales M.; Hernandez B.; Salazar R.; Larrateguy S.; Sanchez-Ramirez DC. Activity limitations and healthcare use in people with post-COVID-19. European Respiratory Society congress., Milan, Italy
Conference Date: 2023/9
Poster
Refereed?: Yes
3. Torres-Castro R.; Angarita-Fonseca A.; Benavides V.; Chero S.; Morales M.; Hernandez B.; Salazar R.; Larrateguy S.; Sanchez-Ramirez DC. Exploring the characteristics of people with long COVID-19 and their associated healthcare use in Latin America. European Respiratory Society congress, Milan, Italy
Conference Date: 2023/9
Poster
Refereed?: Yes
4. Sanchez-Ramirez DC; Adodo R.; Hodges G.; Colbeck M.; Semenko B.; Webber S. Pulmonary rehabilitation post COVID-19: a pilot study. Canadian Respiratory Conference, Montreal, Canada
Conference Date: 2023/4
Poster
Refereed?: Yes
5. Sanchez-Ramirez DC; Leanne Kosowan L.; Katz A. Understanding long-term COVID-19 symptoms and outcomes among community-based populations. Canadian Respiratory Conference, Montreal, Canada
Conference Date: 2023/4
Poster
Refereed?: Yes
6. Campos C; Prokopich S; Loewen, H. Sanchez-Ramirez DC. Exploring the impact of long COVID-19 in children and adolescents: a systemic review of the literature and meta-analyses. Canadian Respiratory Conference., Montreal, Canada
Conference Date: 2023/4
Poster
Refereed?: Yes
7. Sanchez-Ramirez DC, Normand K, Yang Z, and Torres-Castro R. Long-term impact of COVID-19: A systemic review of the literature and meta-analysis. European Respiratory Society congress., Barcelona, Spain
Conference Date: 2022/9
Abstract
Refereed?: Yes

8. Enn J, Katz A, Yogendran M, Urquia M, Muthukumarana S, Matharaarachchi S, Singer A, Nickel N, Star L, Cavett T, Keynan Y, Lix L, Sanchez-Ramirez DC. A population data driven approach to identifying "Long COVID" cases in support of diagnosis and treatment. International Population Data Linkage Conference, Edinburgh, United Kingdom
Conference Date: 2022/9
Poster
Refereed?: Yes
9. Sanchez-Ramirez DC. Using technology to engage patients with ILDs in a home exercise program. European Respiratory Society congress, Barcelona, Spain
Conference Date: 2022/9
Poster
Refereed?: Yes
10. Sanchez-Ramirez, DC; Kosowan, L; Singer, A. Management of cough in patients with idiopathic interstitial lung diseases in primary care. NAPCRG PBRN Conference, Maryland, United States of America
Conference Date: 2022/6
Abstract
Refereed?: Yes
11. Sanchez-Ramirez, DC; Kosowan, L; Katz, A; Singer, A; Polimeni, C. Increasing likelihood of prescribing recommended lipid management: Primary care providers' participation in cardiology continuing medical education. NAPCRG PBRN Conference, Maryland, United States of America
Conference Date: 2022/6
Abstract
Refereed?: Yes

Presentations

1. (2024). Embracing the idea that "less can be more" in long COVID Rehabilitation. 2024 International Forum on COVID Rehabilitation Research, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
2. (2023). Assessment of Activity Limitation in Patients Post COVID-19. Canadian Thoracic Society. Webinar organized by CRHP Leadership council., Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
3. (2023). Reaching individuals experiencing Long COVID to understand the scope of the problem. 1st Canadian Symposium on Long COVID, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: No
4. (2023). Use of technologies in Research and Rehabilitation & Rehabilitation in long COVID patients. Invited by the Industrial University of Bucaramanga, Department of Physical Therapy, Colombia
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
5. Sanchez-Ramirez DC. (2022). Long-term impact of COVID-19: A systemic review of the literature and meta-analysis. Canadian Society of Respiratory Therapists Annual Conference, Canada
Main Audience: Knowledge User
Invited?: No, Keynote?: No

Student/Postdoctoral Supervision

Master's Thesis [n=3]

2022/9 Principal Supervisor	Erin Schellenberg, University of Manitoba Thesis/Project Title: Exploring alternatives to improve the data collection process by respiratory therapists working in transportation services (provisional) Present Position: Student
2022/9 Principal Supervisor	Praise Chineye, University of Manitoba Thesis/Project Title: Exploring the impact of long COVID-19 on COPD patients Present Position: Student
2021/9 - 2024/6 Principal Supervisor	Rachel Adodo, University of Manitoba Thesis/Project Title: Relationship between Heart Rate and Physical Activity in Post COVID-19 Syndrome Present Position: PT

Doctorate [n=2]

2021/9 Academic Advisor	Jefferson Lima de Santana, University of Manitoba Thesis/Project Title: The impact of post COVID-19 in the autonomic, cardiovascular, and respiratory systems of health and frail older adults Present Position: Student
2021/9 Academic Advisor	Rosmary Martinez Rueda, University of Saskatchewan Thesis/Project Title: Health Promotion among Physical therapist Internationally: Practices and Experiences Present Position: Student

Post-doctorate [n=1]

2023/9 Principal Supervisor	Antonio Sarmento, University Of Manitoba Thesis/Project Title: Improving pulmonary telerehabilitation and telemonitoring in patients with chronic lung diseases Present Position: Post-doctoral fellow
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