Aldina Mesic | Research Scientist

Professional memberships

Member of the Canadian Association of Road Safety Professionals (CARSP/ ACPSER)

Member of the Society for Implementation Research and Collaboration

The Traffic Injury Research Foundation (TIRF) mission is to be the knowledge source for safe road users and a world leader in research, program and policy development, evaluation, and knowledge transfer. TIRF is a registered charity and depends on grants, awards, and donations to provide services for the public.

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Aldina Mesic is a research scientist with the Traffic Injury Research (TIRF) since 2023. She holds a Doctor of Philosophy in Implementation Science from the University of Washington Department of Global Health. Aldina's research includes work on geospatial analyses of road traffic injuries and deaths in Ghana, automated speed enforcement in Rwanda, and various implementation science studies in low- and middle-income countries. Aldina is actively involved with TIRF's Action2Zero which supports communities with research to plan and implement road safety strategies at the local level, and efforts to develop a digital cognitive screening test for senior drivers.

Career and research highlights:

Aldina research is focused on various aspects of injury control, including using geospatial and statistical analyses to understand risk and plan targeted interventions. She has conducted qualitative studies with road users in high-risk areas and injured road users to understand existing policies and gaps.

Aldina has authored reports and articles in both grey literature and peer-reviewed academic literature on topics including research and evaluation priorities in road safety, the implementation and impact of automated speed enforcement, and factors associated with road traffic injury severity among vulnerable road users (e.g., cyclists, pedestrians). Her prior public health research portfolio includes studies evaluating the costs and cost-effectiveness of maternal and child interventions, studies on barriers and facilitators to seeking and providing care, and predictors of violence including fatal police shootings and intimate partner violence.

Aldina delivers technical assistance on implementation science to several studies focused on trauma, surgery, and burn treatment in the United States and low- and middle-income countries. She has also conducted several trainings and guest lecturers on quasi-experimental methods for impact evaluation, qualitative data collection and analysis, and monitoring and evaluation.

Academic highlights:

> Doctor of Philosophy in Implementation Science from the Department of Global Health at the University of Washington School of Public Health.
> Masters in Public Health with Monitoring and Evaluation and Maternal Child Health Certificates from the Boston University School of Public Health.
> Bachelor of Science in Biology with a International Affairs Minor from Northeastern University.

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Bibliography:

Krebs, E., Mesic, A., Nzeyimana, I., Uwase Gakwaya, B., Sesonga, P., Delvary, M., and Vanlaar, W. The national adoption and scale up of automated speed enforcement in Rwanda: an approach to guide implementation. The World Bank.

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Nzeyimana, I., Mesic, A., Mugisha, R., Krebs, E., Uwase Gakwaya, B., Sesonga, P., Delvary, M., and Vanlaar, W. A National Survey to Understand the Public Perception of Automated Speed Enforcement and Road Safety in Rwanda. The World Bank.

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TIRF Educational Resources

Action$_2$Zero
action2zero.tirf.ca

Community-Based Toolkit for Road Safety Campaigns
tirf.ca/projects/ community-based- toolkit-road-safety- campaigns

Drug-Impaired Driving Learning Centre (DIDLC)
druggeddriving.tirf.ca

GDL Framework Safety Center
gdlframework.tirf.ca

Brain on Board
brainonboard.ca

Wildlife Roadsharing Resource Centre (WRRC)
wildliferoadsharing.tirf.ca

Sober Smart Driving
sobersmartdriving.tirf.ca

Young and New Driver Resource Centre
yndrc.tirf.ca

Alcohol Ignition Interlock Curriculum for Practitioners
aic.tirf.ca