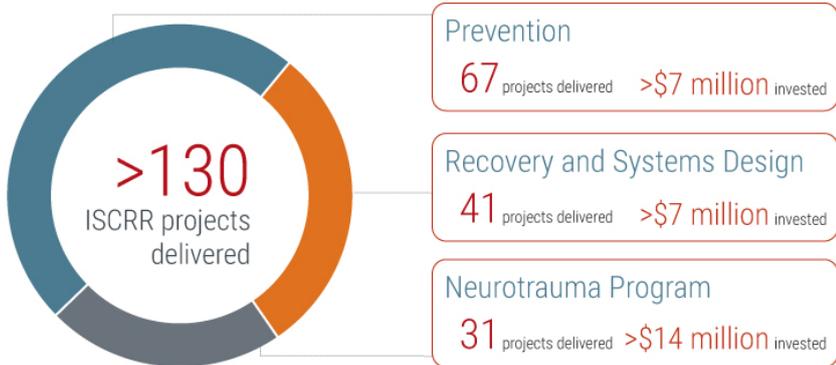


# ISCRR news

April 2021

## Celebrating 12 years of workplace research

**82%** of ISCRR research projects helped WorkSafe Victoria make evidence-informed decisions (2018-2020)

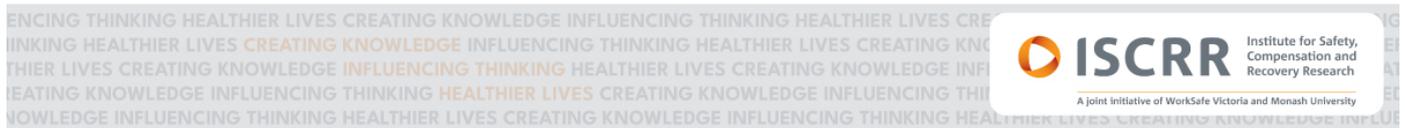


**>1,000** research outputs

**The Institute for Safety, Compensation and Recovery Research (ISCRR)** is a unique government-academic partnership whose role is to conduct and facilitate the delivery of high quality, timely and relevant research that achieves impact for our partners and the broader community.

**>180** researchers involved in delivering ISCRR's program of research

**>70** partnerships with industry specific and academic organisations



### Happy Birthday ISCRR!

This month marks 12 years since ISCRR was established. The infographic above summarises our wide-ranging achievements in improving safety at work and recovery from injury. We are proud of the accomplishments of our team, academic researcher network and our partners, and look forward to continuing our impact into the future.

### Annual staff planning day

For this year's staff planning day ISCRR invited Rosemary McKenzie-Ferguson to share her lived experience of being injured at work. For someone who was told she would likely be in a wheelchair by 2005 and would never work again, Rosemary is truly an inspirational figure.

She works tirelessly to advocate for injured workers and their families, and as part of this founded Craig's Table: a community-based organisation aimed at re-skilling injured workers to assist their return to work. She shared many insights, but above all injured workers

need adequate communication with respect to their compensation.



Photo: Samantha Barker with Rosemary McKenzie-Ferguson

*"The intention of the various legislations' is to return an injured worker to as near as possible to pre-injury health ... This doesn't always mean pre-injury employment, it means to enable and to support the injured worker to move forward."* - Rosemary

McKenzie-Ferguson

It was an excellent talk to frame the rest of the staff planning day. By highlighting the experiences of the people our research serves to help, ISCRR can enable those people to live healthier lives through thoughtful research in partnership with WorkSafe.



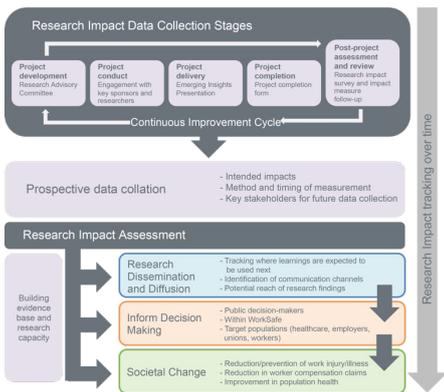
*"Improving the experience and outcomes for injured workers will always be at the forefront of our research"* – Samantha Barker, ISCRR Director



# Research impact

## Research Engagement and Impact Seminar

On April 20, Dr Jimmy Twin presented "Learnings from the WorkSafe-ISCRR Research Impact pilot" in a seminar organised by Associate Professor Ross Donohue of the Monash Business School. Speaking alongside Senior Research Services Manager, Isabel MacNeill, the session was full of practical information about the challenges and successes of research engagement and measuring research impact.



## Conference presentations

In March 2021, ISCRR delivered seven presentations on our research findings at two virtual conferences: The Virtual Pre-Conference Global Injury Prevention Showcase and the Evidence and Implementation Summit.

We were proud to share our knowledge on a number of topics, including: the factors for achieving success in a research-policy partnership; our learnings from the WorkSafe-ISCRR Research Impact Pilot; improving worker mental wellness; experiences of long-term injured workers after compensation cessation; learnings of farmer behaviour from the Victorian Quad Bike Rebate Scheme; and achieving impact on policy through a rapid and flexible evidence-based program.

## Workshop insights

### What is 'co-design'?

Almost everyone has had an encounter with something that has been designed poorly and just not fit-for-purpose. Perhaps it was one of those sinks that looks chic in a modern bathroom, but tends to spray water all over your pants

when all you wanted was to wash your hands. How is such an epic design failure even possible?

ISCRR is committed to using a co-design approach across all research and translation activities and always looking for new and innovative ways for this to occur. In March 2021 ISCRR's Research Officer, Carmen Schroder, attended a workshop about 'co-design' presented by Nicole Deen from Kasama Consulting, and hosted by For Purpose.

Co-design is all about bringing professionals, stakeholders and community members together to jointly make decisions about a service, activity or program. It is more than simple consultation – collaboration occurs throughout the entire design process.

The idea is that when you design 'with' people rather than 'for' them and share power in the process, you create something more beneficial for everyone involved.

The possible benefits of co-design include:

- More innovative and creative solutions
- Greater buy-in and ownership from all involved
- Wiser use of resources
- Empowered citizens who can see that their voice is heard and matters
- Better, more relevant outcomes for people who are affected by change initiatives

# Prevention First infographics

The objective of WorkSafe's Prevention First Program is to drive a proactive, prevention first approach to OHS and recovery in every Victorian workplace by staying ahead of emerging trends and addressing age old problems through an innovative, systems thinking approach to the prevention of harm and fatalities.

In 2020, ISCRR carried out scans for WorkSafe on five key areas: agriculture, construction and truck fatalities, emerging Industry 4.0 technologies, and worker representation focusing on health and safety representatives.

The objectives of these scans were to identify global information on prevention strategies.

Recently, ISCRR's Research and Communications Team developed five one-page infographic summaries of this work to aid future decision making.

To view these infographic summaries, click on the following links:

- [Agriculture fatalities](#)
- [Construction fatalities](#)
- [Truck fatalities](#)
- [Industry 4.0 technologies](#)
- [Worker representation](#)

Industry 4.0 Technologies Global Scan - September 2020

## Industry 4.0 - to eliminate or reduce the risk of musculoskeletal disorders

### A new phase in industrial development

#### Wearables

Items workers wear at work  
- Intuitive  
- Human-centric  
- Empowering technology

#### Automation

Robots, artificial intelligence, latest generation software  
- Execute routine tasks  
- Minimise human involvement

#### Computer vision

Field of artificial intelligence  
- Capture and process visual information in real time

#### Digital twins

Virtual replica of physical object or system  
- Understand, predict and optimise performance

In 2018 global robot installations increased by 6% to 422k units

worth US\$16.5 billion

Top 3 industries with robot installations

- Automotive
- Electrical/electronics
- Metal and machinery

When selecting a system:

<p><b>Optimisation</b> Return on investment, cost effectiveness</p>	<p><b>Data security</b> Intellectual properties, cybersecurity</p>	<p><b>Interoperability</b> Compatibility, accessible from various devices</p>
<p><b>Reliability</b> Low failure rate, long battery life, backup solution</p>	<p><b>Safety and durability</b> Extreme conditions, hard handling, hazardous substance</p>	<p><b>Customer support</b> After sales support</p>



### Australian opportunities

Initiatives targeted at worker representatives:  
> Food, beverage and pharmaceutical industries  
Australia's Robotics Roadmap is a critical step towards a national strategy

Australia has a relatively small market in global-robot terms due to our comparative size and the absence of the two main industries for robots: automotive and consumer electronics.

<https://research.iscrr.com.au/prevention/workplace-risks/prevention-first-global-scans>

