

SuPERB - A Safety Benchmarking Platform

Ontario Construction Users Council

And

Brenda McCabe, University of Toronto

Ehsan Rezazadeh Azar, Lakehead University

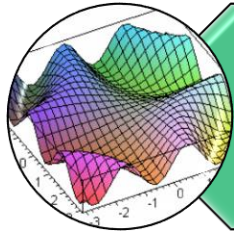
Arash Shahi, University of Toronto

Yuting Chen, University of Toronto

Background



A robust safety measure system is essential

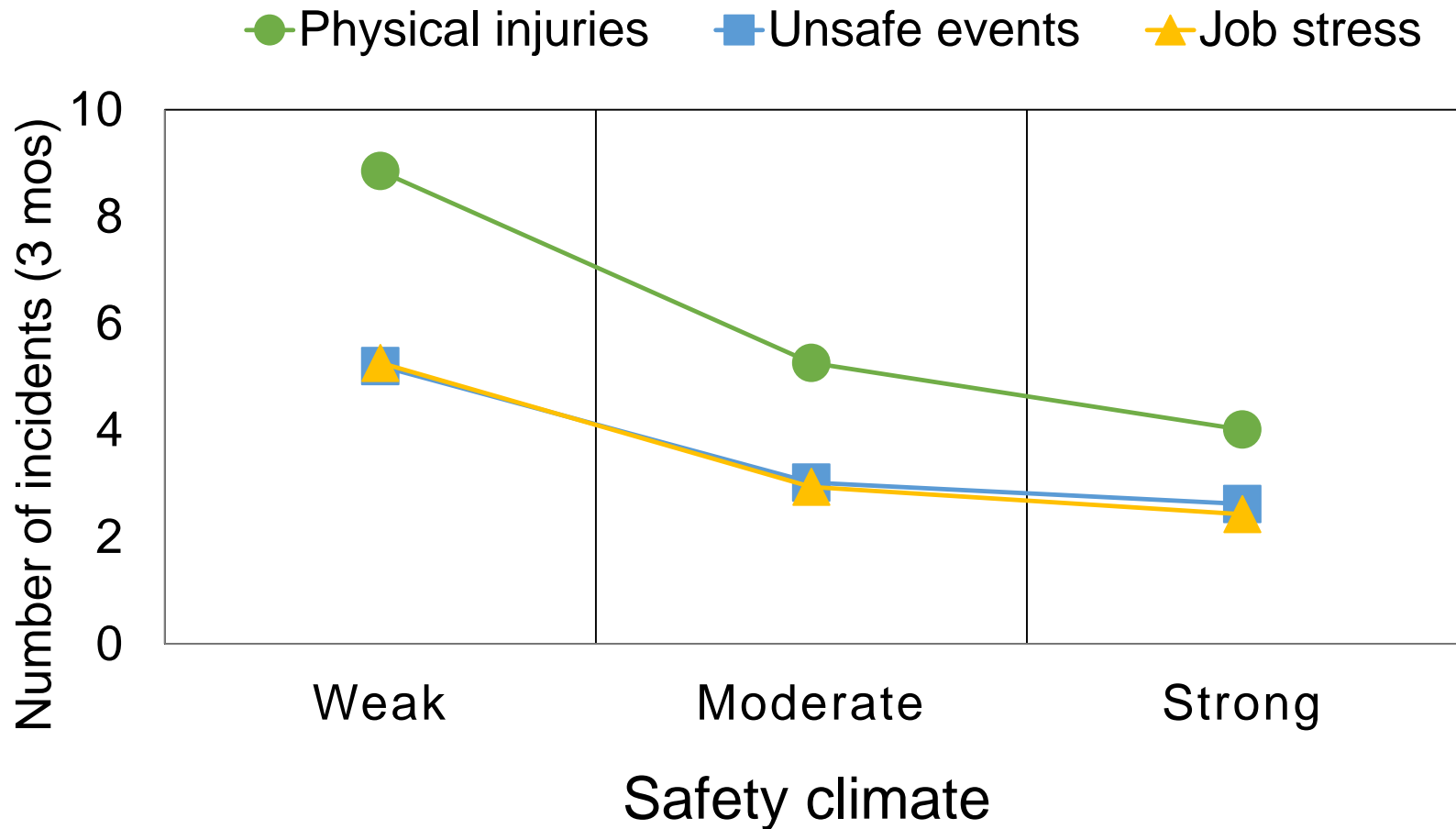


Dynamic relationships between safety indicators are not clear

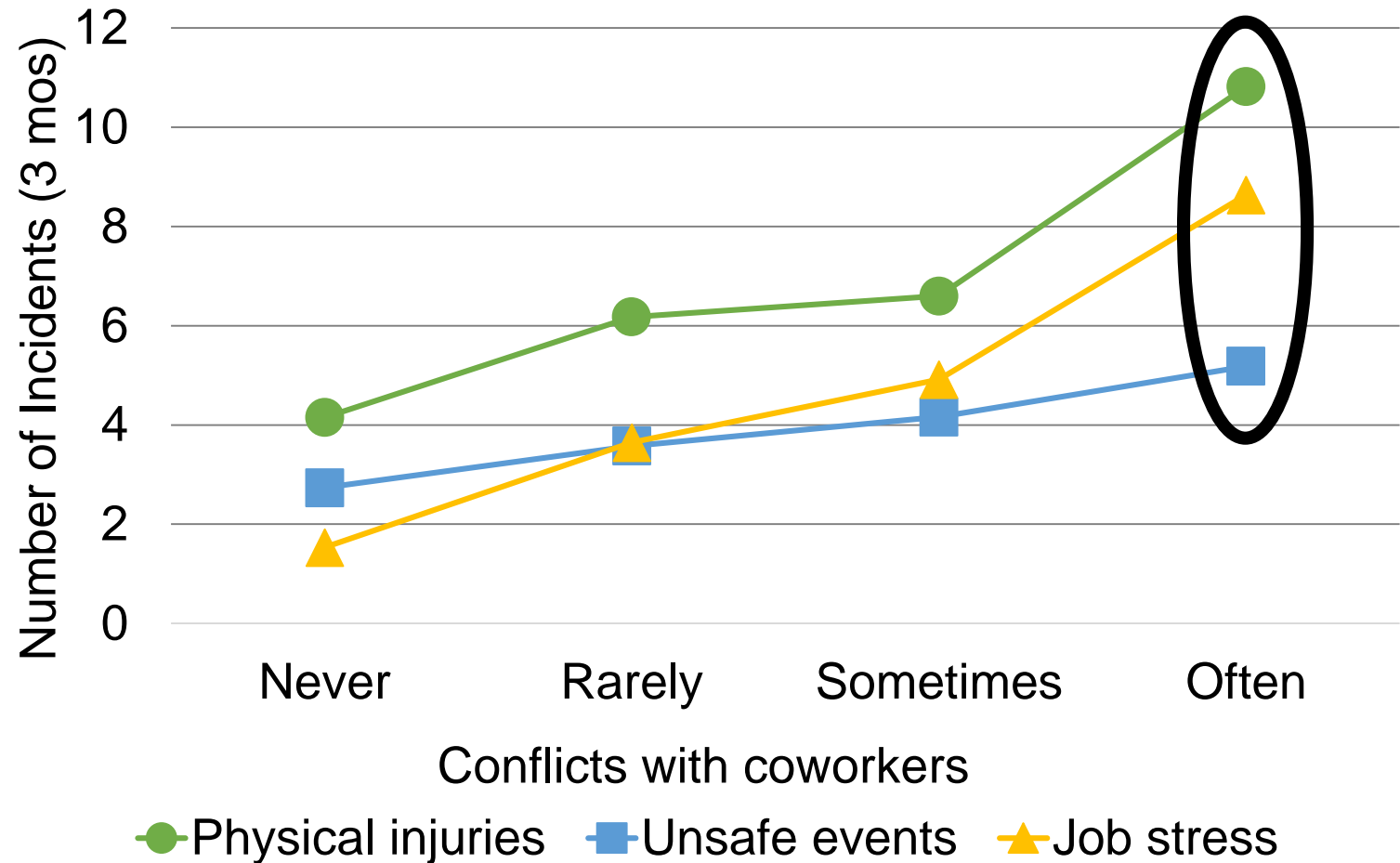


Ontario best safety practices

Incidents vs. Safety Climate



Incidents vs. Coworker Conflicts



Project Objective - SuPERB



Our Vision

SuPERB is a tool to help organizations benchmark safety performance to industry norms and leaders

Help improve safety by understanding trends of leading indicators

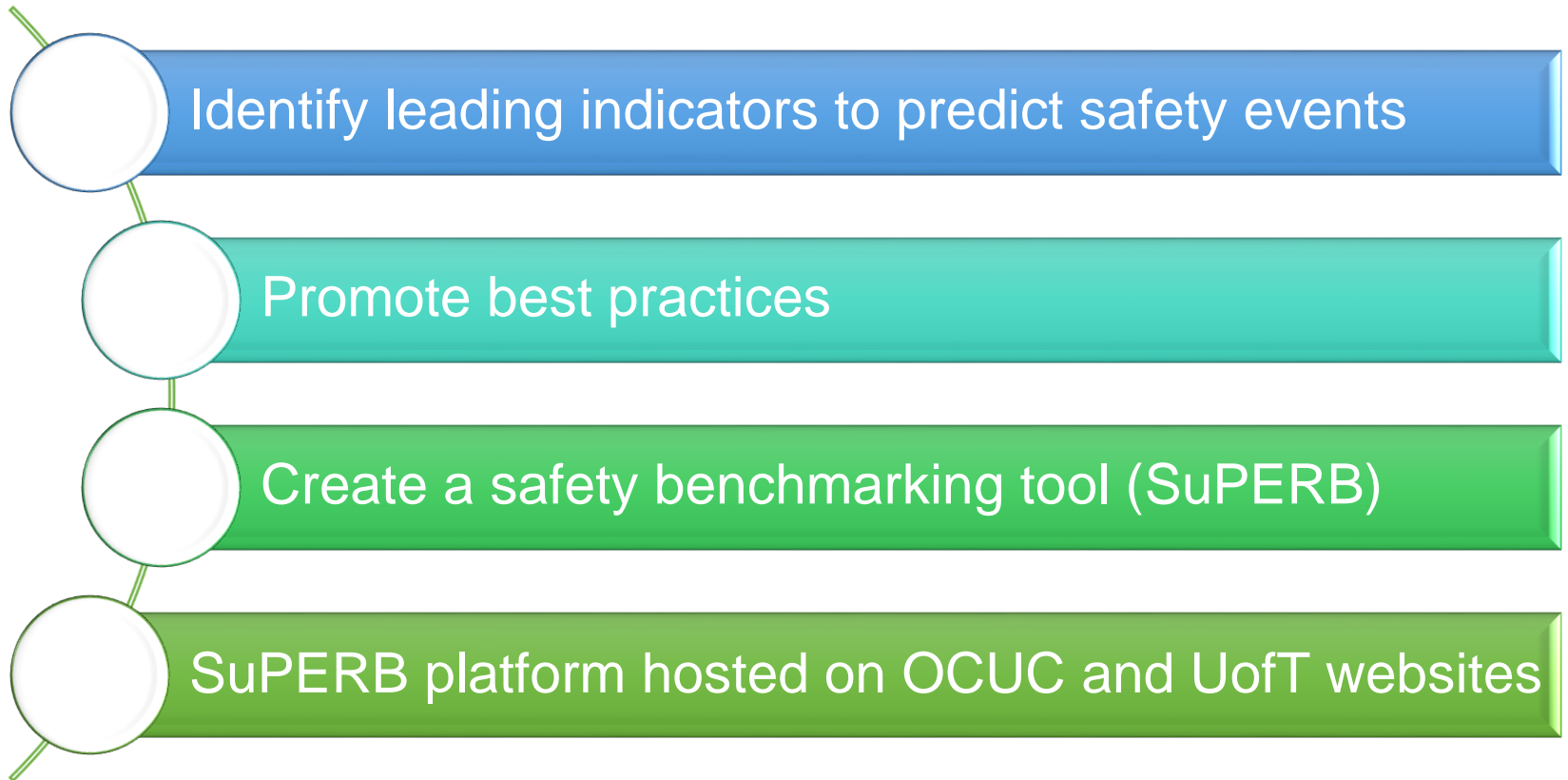
SuPERB will be hosted on OCUC and UofT websites



Getting there...



Expected outcomes



How you can benefit

- Join the data collection effort:
 - Share your COR-related data (confidentially of course)
 - Share your best practices
 - Allow one (or more) 15 minute surveys of your workers
- Receive in return:
 - Customized feedback reports based on your data
 - SuPERB benchmarking tool that is based on your industry
 - Guide the research outputs – what do you want to see?
 - Greater visibility for OCUC

Right now...

- We are calibrating all of the data that come from COR and safety climate survey
- Help us identify which safety factors we should focus on

1. Individual resilience - coping	12. Awareness –safety responsibilities, rules, hazards
2. Fatalism - control their own safety	13. Interpersonal conflicts at work
3. Safety knowledge - know what to do	14. Safety participation - in safety behaviours of peers
4. Work pressure - excessive pressure to work faster	15. Training – ongoing training for all procedures
5. Role overload - more work than can be accomplished	16. Well documented procedures – and readily available
6. Management commitment to safety - priority on safety versus production	17. PPE – strict enforcement
7. Supervisor safety perception - supervisors commit	18. Preventive maintenance –equipment, tools
8. Coworker safety perception - coworkers behaviors	19. Daily assessment of work hazards – frequency
9. Reporting - report without fear of retribution.	20. Safety inspections – regular and random
10. Learning - workers are informed and learning	21. Communications about safety
11. Anticipation - assess the impacts of their decisions	What is missing?

Thank you.



brenda.mccabe@utoronto.ca

eazar@lakeheadu.ca

arash.shahi@utoronto.ca

yut.chen@mail.utoronto.ca