



## WHAT IS THE SUN EXPOSURE PROJECT?

- The Sun Exposure in Outdoor Workers Project is a study of how much solar ultraviolet radiation (UVR) outdoor workers experience.
- It is being coordinated and conducted by Brandon Leong, CIH, a Certified Industrial Hygienist with over 7 years of consulting experience in the health and safety industry. Dr. Cheryl Peters is the lead research scientist for this project. Dr. Peters has conducted several studies of solar UVR exposure in outdoor workers.

## WHY DO IT?

- Solar UVR can increase the risk of skin cancer, and the rates of skin cancer are increasing in Canada.
- We know that outdoor workers have higher exposures to solar UVR than most people, but we do not know exactly what those levels are in Alberta (probably higher than elsewhere because of our weather).
- A study to measure solar UVR exposure in outdoor workers has never been done in Alberta.

## TIMELINE

When?	What?
January – April, 2019	With the study team, start selection of potential worksites for the summer
May 2019	Final site selections, communication with shop stewards and others
May – September, 2019	Sampling period (scheduling is flexible within the summer months)
December 2019	Workers get their results, and get to see the overall results of the study

## WHAT WILL WORKERS HAVE TO DO?

If workers agree to participate, here is what we will need them to do:

1. Fill out a short questionnaire about time spent in the sun and how they protect themselves;
2. Wear a small, lightweight, and noiseless UV dosimeter every day of the study; and
3. This study will take about 1 hour of time in total (45 minutes for answering questions and learning how to use the UV dosimeter, 15 minutes for completing the questionnaire (to be completed at workers' convenience), in addition to wearing the dosimeter for a 5-day workweek (approximately 40 hours).

## WHAT DO WE NEED FROM YOU?

- Identify suitable locations for sampling (large projects, and variety helps!)
- Mr. Leong will need to be on site (<1 hour) on the first morning of sampling at each site, and will need to collect the dosimeters and questionnaires from workers on the last day.
- Spread the word! Any questions? Contact Brandon (403.476.2490 or [brandon.leong@ahs.ca](mailto:brandon.leong@ahs.ca))