

# CANCER PREVENTION

## Importance of Field Decontamination

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- *A wet-soapy decontamination has been shown to reduce contaminants up to 85%.*
- *Dry brushing can reduce contaminants by up to 23%*
- *Air-based decontamination studies have shown a reduction of 0.5%*

### Rate of Cancers in Firefighters Compared to the General Public

- Testicular cancer (2.02 times greater risk)
- Multiple Myeloma (1.53 times greater risk)
- Non-Hodgkin's Lymphoma (1.51 times greater risk)
- Skin Cancer (1.39 times greater risk)
- Prostate cancer (1.28 times greater risk)
- Malignant melanoma (1.31 times greater risk)
- Brain cancer (1.31 times greater risk)
- Colon cancer (1.21 times greater risk)
- Leukemia (1.14 times greater risk)
- Breast cancer in women (preliminary study results from the San Francisco Fire Department)

A 2017 study published in the Journal of Occupational and Environmental Hygiene revealed that the simple act of wiping off the skin of our neck showed a reduction in **Polycyclic Aromatic Hydrocarbons (PAH)** by 54%.

