THINK YOU'RE HOT?
So Does Cancer

An increase in skin temperature leads to a higher penetration of cancer-causing substances.

YOUR JOB COULD BE THE HOTTEST. Where to play it safe

Outside Vent
Arm Neck
+4.1º +4.3º

Inside Vent
Arm Neck
+4.2º +4.2º

IT'S NOT ME, IT'S YOU.
How to reject cancer

A 2017 study by G. Horn, et al. shows that skin temperatures can reach more than 100 degrees Fahrenheit during both interior and exterior fireground operations. With every 5º increase in skin temperature, absorption of dangerous chemicals increases by 400%.

An increase in skin temperature leads to a higher penetration of cancer-causing substances.

Where to play it safe

General Population

Cancer causing substances are times greater risk from general population

IT'S NOT ME, IT'S YOU.
How to reject cancer

YOU ARE THEIR TYPE.
Among fighters, multiple studies have demonstrated credible evidence for statistically higher rates of:

1. Leukemia
2. Colon cancer
3. Prostate cancer
4. Brain cancer
5. Malignant melanoma
6. Skin cancer
7. Non-hogkin's lymphoma
8. Multiple myeloma
9. Testicular cancer

What to look out for

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Freitas reference: Robert A. Freitas Jr., Nanomedicine, Volume I: Basic Capabilities, Landes Bioscience, Georgetown, TX, 1999

Graphics represent the average skin temperature from Freitas, 1999 and the maximum skin temperatures for interior attack from Horn, et al to estimate the increase in skin temperature.

Start documenting your exposures at FirstForward.com