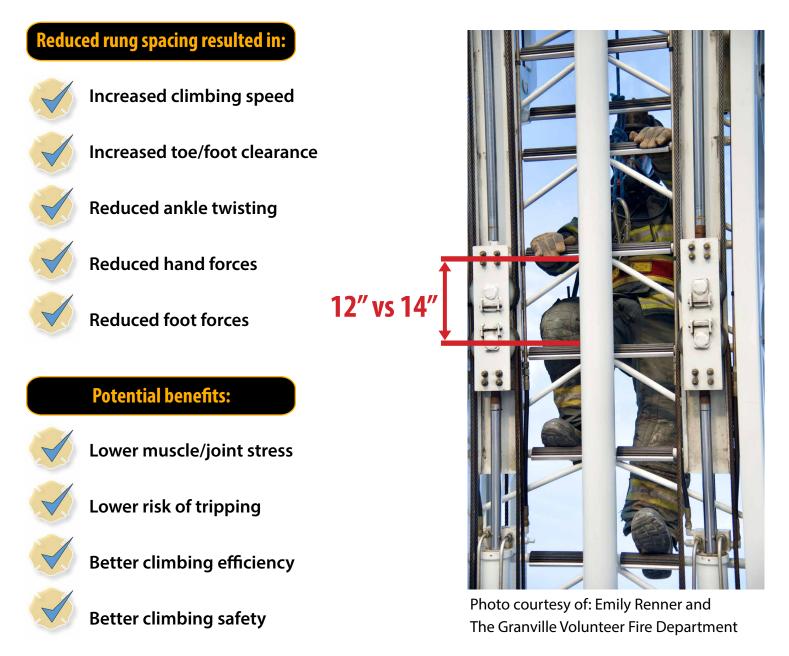
## **FIRE AERIAL LADDERS:** IMPROVING EASE AND SAFETY WITH SMALLER RUNG SPACING

Currently, fire aerial ladders have 14" rung spacing, which may not be the best ergonomic design for firefighters. Researchers tested 12" rung spacing and compared it to 14" rung spacing.



## For more information visit: <u>WWW.CDC.GOV/NIOSH/FIREFIGHTERS/</u>

## JUNE 2022



Simeonov P, Hsiao H, Armstrong T, Fu A, Woolley C, Kau T-Y. (2020). Effects of aerial ladder rung spacing on firefighter climbing biomechanics. Applied Ergonomics 82, 102911. https://doi.org/10.1016/j.apergo.2019.102911