Nearly 30% of embedded systems designers make products that could kill or injure in the event of a malfunction. What are these engineers doing to ensure users’ safety? Not enough.

**BEST PRACTICES FOR SAFER SYSTEMS:**

There is no one-size fits all solution to designing safe systems. However, too many designers of safety-critical systems are skipping software development processes known to reduce the number of bugs and unplanned behaviors in embedded systems.

- 43% of these potentially injurious products don’t perform regression testing.
- 38% don’t comply with a formal safety standard.
- 33% don’t perform static analysis.
- 17% lack a written coding standard.

2 out of 3 of these four industries target these potentially injurious products:

- Medical
- Industrial
- Automotive
- Defense/Aero

Source: Barr Group 2018 Embedded Systems Safety & Security Survey. Copyright © 2018 Barr Group. All rights reserved. BARRGROUP.COM