

Can aviation-based team training elicit sustainable behavioral change?

January 12, 2010

Sax HC, Browne P, Mayewski RJ, et al. Can aviation-based team training elicit sustainable behavioral change? Arch Surg. 2009;144(12):1133-1137. doi:10.1001/archsurg.2009.207.

<https://psnet.ahrq.gov/issue/can-aviation-based-team-training-elicite-sustainable-behavioral-change>

As a means of improving safety, many institutions are implementing [teamwork training](#) programs, often based on [aviation industry](#) principles. However, the effectiveness of these programs remains in question, partly because [little research](#) has examined the effect of teamwork training on actual safety behaviors. In this study, operating room (OR) personnel at two hospitals participated in a one-day, aviation-based training exercise, which emphasized OR teamwork centered around implementation of a surgical safety [checklist](#). The training program resulted in sustained improvement in [safety culture](#) and near-universal use of the checklist. The differences and similarities between aviation and medical team training were also discussed in an AHRQ WebM&M [interview](#) in 2006. An accompanying editorial [see link below] discusses the study's findings and other drivers that may provide solutions to improving safety.