Effect of caregiver gender, age, and feedback prompts on chest compression rate and depth.

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Overview: This study was undertaken to characterize the quality of chest compressions performed by hospital personnel, evaluate for predictors of chest compression performance, and determine the effects of audiovisual feedback on chest compression performance.

Conclusions: The quality of chest compressions performed by personnel at US hospitals as judged by their performance on a manikin is often suboptimal. Quality of chest compressions can be improved with use of CPR feedback technologies.