

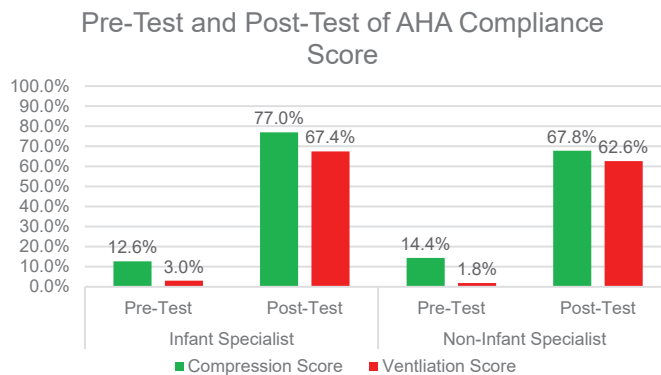
Study shows SmartMan Improves Infant CPR

In a double-blind test, SmartMan was used to measure the AHA compliance of pediatric specialists and non-specialists in AHA training centers during their CPR training classes. Results showed that no person performed quality CPR on an infant in either chest compressions or ventilations. After a short training session on the SmartMan Infant with accurate real time color feedback, the quality and compliance performance of chest compression and ventilation of all participants went up more than 60%.

Click here to see the original poster: <https://www.smartman.biz/files/news/Poster-IMSH-2020-Final.pdf>

Just as pediatric performances can be improved, so can Adult CPR. Adult manikins have features that allow for ventilations practice in High Density protocol (Best Practice) with its DTFIS technology and the ALS allow for intubations.

Results



Graph 1: Pre- and Post- Test scores of infant specialists and non-infant specialists.

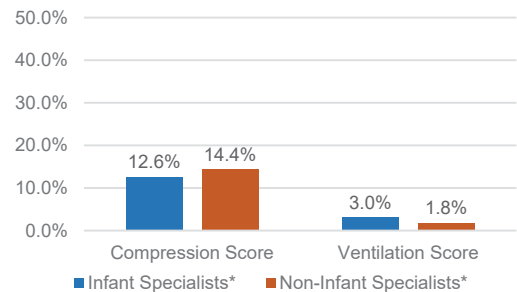
		Compliant Compression Score	Compliant Ventilation Score
		Infant Specialists	Pre-Test 12.65%
	Post-Test	76.97%	67.43%
Non-Infant Specialists	Pre-Test	14.37%	1.83%
	Post-Test	67.78%	62.60%

Table 1: Pre and Post test scores of infant specialist and non specialist.

Two Tailed T Test Values of Infant Specialist vs Non-Infant Specialist		
n = 170	Compression	Ventilation
Pre-Test	t = 0.5766, p > 0.5	t = 0.8869, p > 0.35
Post-Test	t = 4.6293, p < 0.0001	t = 2.6793, p < 0.01

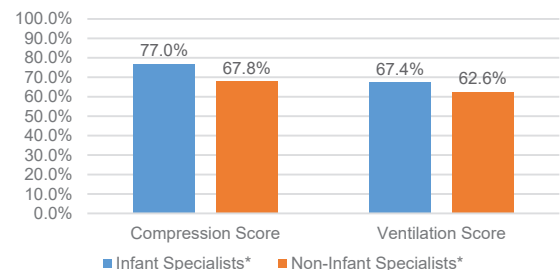
Table 2: Result of two tailed t test for Pre- and Post- Test scores between infant specialist and non-infant specialist.

Pre-Test AHA Compliance Score



Graph 2: Pre-Test scores of infant specialist and non-infant specialist.*No significant difference between the two groups

Post-Test AHA Compliance Score



Graph 3: Post-Test scores of infant specialist and non-infant specialist.*Significant difference between the two groups in compression (t=4.6293, p<0.0001) and ventilation (t=2.6793, p<0.01) performance.