Supplementary Online Content

Goralnick E, Chaudhary MA, McCarty JC, et al. Effectiveness of instructional interventions for hemorrhage control readiness for laypersons in the Public Access and Tourniquet Training Study (PATTS): a randomized clinical trial. *JAMA Surg.* Published online May 9, 2018. doi:10.1001/jamasurg.2018.1099

eAppendix 1. Simulation Scenario Read to Participants

eAppendix 2. Flashcard Instructions in Bleeding Control Kit Describing Tourniquet Application Technique

eAppendix 3. North American Rescue Bleeding Control Audio Guidance Kit

eTable. Demographics of Different Arms at Retention Testing

This supplementary material has been provided by the authors to give readers additional information about their work.

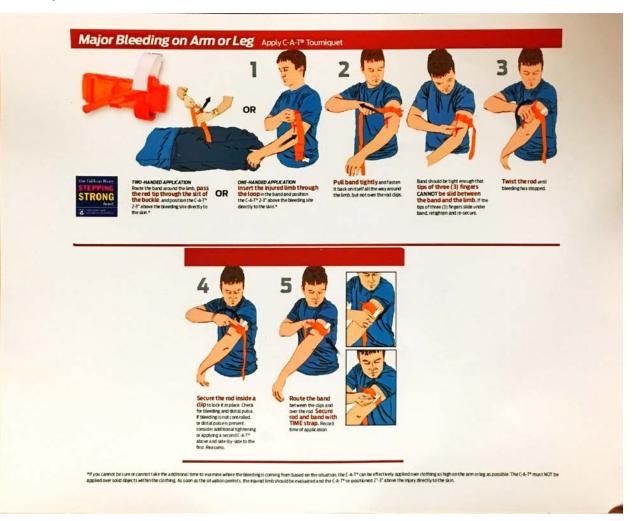
Appendix 1: Simulation scenario read to participants

Scenario

There has been an explosion in the stadium. The place you are at is safe and you notice that an individual is lying near you who has lost the lower half of his leg. He is bleeding profusely. Law-enforcement and emergency medical response have been called but it will take 15 minutes for them to arrive. You notice a bleeding control kit on the wall with a tourniquet in there.

- 1. Pretend you have put on the gloves
- 2. Proceed.
- 3. Let me know when you are done

Appendix 2: Flashcard instructions in bleeding control kit describing tourniquet application technique.



Appendix 3: North American Rescue Bleeding Control Audio Guidance Kit.

In order to only assess the efficacy of visual cues on tourniquet application, portions of the visual cues describing pressure and packing application were blacked out.



Appendix table: Demographics of different arms at retention testing

		Retention tested (n=303)	Control (n=70)	Audio-Kit (n=79)	Flashcards (n=84)	B-Con (n=70)
Age (mean, SD)		49.7 ± 14.9	48.2 ±15.3	50.9 ±15.6	51.3 ±14.1	47.8 ±14.7
Gender*	male	177 (58.4%)	38 (54.3%)	49 (62.0%)	46 (54.8%)	44 (62.9%)
	female	126 (41.6%)	32 (45.7%)	30 (37.9%)	38 (45.8%)	26 (37.1%)
Education level	High School or less	72 (23.8%)	15 (21.4%)	13 (16.5%)	24 (28.6%)	20 (28.6%)
	Some College education	115 (37.9%)	21 (30.0%)	33 (41.8%)	36 (42.9%)	25 (35.7%)
	College Degree	86 (28.4%)	26 (37.1%)	27 (34.2%)	15 (17.9%)	18 (25.7%)
	Advanced Degree	29 (9.6%)	7 (10.0%)	6 (7.6%)	9 (10.7%)	7 (10.0%)
Prior First-Aid Training without hemorrhage control training		161 (53.1%)	39 (55.7%)	47 (59.5%)	49 (58.3%)	26 (37.1%)