

115TH CONGRESS  
1ST SESSION

# H. R. 1243

To amend title 10, United States Code, to require the Secretary of Defense to use only human-based methods for training members of the Armed Forces in the treatment of severe combat injuries.

---

## IN THE HOUSE OF REPRESENTATIVES

FEBRUARY 28, 2017

Mr. JOHNSON of Georgia (for himself, Mr. MARINO, Ms. SPEIER, Mr. TED LIEU of California, Mr. CICILLINE, Mr. ROSKAM, Mr. POLIS, Ms. CLARKE of New York, Mr. CLAY, Mr. RASKIN, Mr. HIMES, Ms. DELAURO, Mr. CARTWRIGHT, Mr. GRIJALVA, Ms. LEE, Mr. COHEN, Mr. SCHIFF, Mr. POCAN, Mr. DEUTCH, Ms. WASSERMAN SCHULTZ, Mr. CÁRDENAS, Mr. ELLISON, Ms. SLAUGHTER, Mr. CONNOLLY, Ms. CLARK of Massachusetts, Ms. TSONGAS, Ms. BARRAGÁN, Mr. SEAN PATRICK MALONEY of New York, Mr. PETERS, Mr. CONYERS, Mr. COSTELLO of Pennsylvania, Ms. SCHAKOWSKY, Mr. RUSH, Mr. YARMUTH, Mr. HASTINGS, and Mr. NOLAN) introduced the following bill; which was referred to the Committee on Armed Services

---

## A BILL

To amend title 10, United States Code, to require the Secretary of Defense to use only human-based methods for training members of the Armed Forces in the treatment of severe combat injuries.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Battlefield Excellence  
3 through Superior Training Practices Act” or the “BEST  
4 Practices Act”.

5 **SEC. 2. FINDINGS.**

6 Congress makes the following findings:

7 (1) The Department of Defense has made im-  
8 pressive strides in the development and use of meth-  
9 ods of medical training and troop protection, such as  
10 the use of tourniquets and improvements in body  
11 armor, that have led to decreased battlefield fatali-  
12 ties.

13 (2) The Department of Defense uses more than  
14 8,500 live animals each year to train physicians,  
15 medics, corpsmen, and other personnel methods of  
16 responding to severe battlefield injuries.

17 (3) The civilian sector has almost exclusively  
18 phased in the use of superior human-based training  
19 methods for numerous medical procedures currently  
20 taught in military courses using animals.

21 (4) Human-based medical training methods  
22 such as simulators replicate human anatomy and  
23 can allow for repetitive practice and data collection.

24 (5) According to scientific, peer-reviewed lit-  
25 erature, medical simulation increases patient safety  
26 and decreases errors by healthcare providers.

1           (6) The Army Research, Development and En-  
2           gineering Command and other entities of the De-  
3           partment of Defense have taken significant steps to  
4           develop methods to replace live animal-based train-  
5           ing.

6           (7) According to the report by the Department  
7           of Defense titled “Final Report on the use of Live  
8           Animals in Medical Education and Training Joint  
9           Analysis Team”, published on July 12, 2009—

10           (A) validated, high-fidelity simulators were  
11           to have been available for nearly every high-vol-  
12           ume or high-value battlefield medical procedure  
13           by the end of 2011, and many were available as  
14           of 2009; and

15           (B) validated, high-fidelity simulators were  
16           to have been available to teach all other proce-  
17           dures to respond to common battlefield injuries  
18           by 2014.

19           (8) The Center for Sustainment of Trauma and  
20           Readiness Skills of the Air Force exclusively uses  
21           human-based training methods in its courses and  
22           does not use animals.

23           (9) In 2013, the Army instituted a policy for-  
24           bidding non-medical personnel from participating in  
25           training courses involving the use of animals.



1 **“§ 2017. Requirement to use human-based methods**  
2 **for certain medical training**

3 “(a) COMBAT TRAUMA INJURIES.—(1) Not later  
4 than October 1, 2020, the Secretary of Defense shall com-  
5 plete the development, testing, and validation of human-  
6 based training methods for the purpose of training mem-  
7 bers of the armed forces in the treatment of combat trau-  
8 ma injuries with the goal of replacing live animal-based  
9 training methods.

10 “(2) Not later than October 1, 2022, the Secretary—

11 “(A) shall only use human-based training meth-  
12 ods for the purpose of training members of the  
13 armed forces in the treatment of combat trauma in-  
14 juries; and

15 “(B) may not use animals for such purpose.

16 “(b) ANNUAL REPORTS.—Not later than October 1,  
17 2018, and each year thereafter, the Secretary shall submit  
18 to the congressional defense committees a report on the  
19 development and implementation of human-based training  
20 methods for the purpose of training members of the armed  
21 forces in the treatment of combat trauma injuries under  
22 this section.

23 “(c) DEFINITIONS.—In this section:

24 “(1) The term ‘combat trauma injuries’ means  
25 severe injuries likely to occur during combat, includ-  
26 ing—

1 “(A) hemorrhage;

2 “(B) tension pneumothorax;

3 “(C) amputation resulting from blast in-  
4 jury;

5 “(D) compromises to the airway; and

6 “(E) other injuries.

7 “(2) The term ‘human-based training methods’  
8 means, with respect to training individuals in med-  
9 ical treatment, the use of systems and devices that  
10 do not use animals, including—

11 “(A) simulators;

12 “(B) partial task trainers;

13 “(C) moulage;

14 “(D) simulated combat environments;

15 “(E) human cadavers; and

16 “(F) rotations in civilian and military trau-  
17 ma centers.

18 “(3) The term ‘partial task trainers’ means  
19 training aids that allow individuals to learn or prac-  
20 tice specific medical procedures.”.

21 (b) CLERICAL AMENDMENT.—The table of sections  
22 at the beginning of chapter 101 of title 10, United States  
23 Code, is amended by adding at the end the following new  
24 item:

“2017. Requirement to use human-based methods for certain medical training.”.