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(Original Signature of Member)

119TH CONGRESS  
1ST SESSION

**H. R.** \_\_\_\_\_

To direct the Secretary of Defense to develop a strategy for treating traumatic brain injuries through digital health technologies.

\_\_\_\_\_  
**IN THE HOUSE OF REPRESENTATIVES**

Mr. CROW introduced the following bill; which was referred to the Committee  
on \_\_\_\_\_

\_\_\_\_\_  
**A BILL**

To direct the Secretary of Defense to develop a strategy for treating traumatic brain injuries through digital health technologies.

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

3       **SECTION 1. SHORT TITLE.**

4       This Act may be cited as the “Supporting Modern  
5 Approaches in Recovery Technology for Traumatic Brain  
6 Injury Act” or the “SMART TBI Act”.

1 **SEC. 2. STRATEGY FOR TREATING TRAUMATIC BRAIN INJU-**  
2 **RIES THROUGH DIGITAL HEALTH TECH-**  
3 **NOLOGIES.**

4 Section 735 of the James M. Inhofe National Defense  
5 Authorization Act for Fiscal Year 2023 (Public Law 117–  
6 263; 10 U.S.C. 1071 note) is amended—

7 (1) by redesignating subsections (e) and (f) as  
8 subsections (f) and (g), respectively; and

9 (2) by inserting after subsection (d) the fol-  
10 lowing new subsection:

11 “(e) DIGITAL HEALTH TECHNOLOGIES.—

12 “(1) WORKING GROUP.—As part of the Initia-  
13 tive, the Secretary shall establish a working group to  
14 develop a strategy for treating traumatic brain inju-  
15 ries through digital health technologies.

16 “(2) MEMBERSHIP.—The working group shall  
17 be composed of members of the Armed Forces, civil-  
18 ian employees of the Department of Defense, and in-  
19 dividuals not employed by the Federal Government,  
20 who have expertise in traumatic brain injury clinical  
21 care, biomedical informatics, engineering, or imple-  
22 mentation science.

23 “(3) ELEMENTS.—The strategy developed  
24 under paragraph (1) shall include the following:

25 “(A) Identification of capability gaps in  
26 the treatment of traumatic brain injuries that

1           could be addressed through artificial intel-  
2           ligence and digital health technologies.

3           “(B) An analysis of existing research, de-  
4           velopment, and acquisition efforts leveraging ar-  
5           tificial intelligence-based capabilities and digital  
6           health technologies, including any applicable  
7           commercial off-the-shelf solutions being used by  
8           the Secretary to support the treatment of trau-  
9           matic brain injuries.

10          “(C) Recommendations with respect to ad-  
11          vances required to—

12               “(i) address gaps identified under  
13               subparagraph (A); and

14               “(ii) significantly improve the treat-  
15               ment of traumatic brain injuries using ar-  
16               tificial intelligence and digital health tech-  
17               nologies.

18          “(D) A recommended investment plan to  
19          advance technology and knowledge readiness  
20          levels to field digital health technologies to treat  
21          traumatic brain injuries.

22          “(4) BRIEFING.—Not later than September 30,  
23          2026, the Secretary shall provide to the congres-  
24          sional defense committees a briefing on the strategy  
25          developed under paragraph (1).”.