

116TH CONGRESS  
1ST SESSION

# S. 1860

To require the Secretary of Defense to carry out a pilot program on the prediction and prevention of musculoskeletal injuries in members of the Armed Forces, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

JUNE 13, 2019

Mr. MORAN (for himself and Ms. SMITH) introduced the following bill; which was read twice and referred to the Committee on Armed Services

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## A BILL

To require the Secretary of Defense to carry out a pilot program on the prediction and prevention of musculoskeletal injuries in members of the Armed Forces, and for other purposes.

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 “Military Readiness and  
5 Injury Prevention Act of 2019”.

6 **SEC. 2. PILOT PROGRAM ON INJURY PREDICTION AND PRE-**  
7 **VENTION TO ENHANCE COMBAT READINESS.**

8 (a) PURPOSE.—The purpose of this section is—

1           (1) to increase deployment readiness and  
2           lethality of members of the Armed Forces;

3           (2) to create a more deployable, resilient, and  
4           sustainable combat force;

5           (3) to provide individualized, accurate assess-  
6           ments with actionable metrics regarding the physical  
7           condition of each member of the Armed Forces; and

8           (4) to determine the feasibility and advisability  
9           of developing a customized fitness program for each  
10          such member to minimize musculoskeletal injuries in  
11          garrison and on deployment.

12          (b) PILOT PROGRAM.—Not later than 180 days after  
13          the date of the enactment of this Act, the Secretary of  
14          Defense shall carry out a pilot program to predict and pre-  
15          vent musculoskeletal injuries in members of the Armed  
16          Forces.

17          (c) PARTICIPATION.—The Secretary shall carry out  
18          the pilot program under this section at not fewer than five  
19          military installations that serve as readiness training plat-  
20          forms in order to evaluate different musculoskeletal injury  
21          risk profiles and training interventions based on the par-  
22          ticular requirements and tactical personnel needs of the  
23          military departments.

1 (d) COMPONENTS.—In carrying out the pilot pro-  
2 gram under this section, the Secretary shall do the fol-  
3 lowing:

4 (1) Identify musculoskeletal injury risk for  
5 members of the Armed Forces using integrated ob-  
6 jective assessments in basic and advanced training  
7 for such members.

8 (2) Generate automated reports and personal-  
9 ized programs to educate members of the Armed  
10 Forces on proper initiatives to minimize injury risk.

11 (3) Notify human performance and medical  
12 staff of the Department when the musculoskeletal  
13 injury risk of a member of the Armed Forces in-  
14 creases.

15 (4) Provide monitoring of members of the  
16 Armed Forces who are undergoing or have under-  
17 gone assessments under paragraph (1) to track the  
18 progress and readiness of such members.

19 (e) REPORT.—

20 (1) IN GENERAL.—Not later than 180 days be-  
21 fore the completion of the pilot program under this  
22 section, the Secretary of Defense shall submit to the  
23 Committee on Armed Services of the Senate and the  
24 House of Representatives a report that describes the  
25 conduct of the pilot program.

1           (2) ELEMENTS.—The report required by para-  
2 graph (1) shall include the following:

3           (A) A description of the pilot program, in-  
4 cluding outcome measures to determine its ef-  
5 fectiveness.

6           (B) A description of the ability of the pilot  
7 program—

8           (i) to identify combat readiness and  
9 risk for musculoskeletal injury of members  
10 of the Armed Forces; and

11           (ii) to address risk reduction via per-  
12 sonalized fitness programs.

13           (C) A description of the reduction in inju-  
14 ries to members of the Armed Forces and any  
15 associated cost savings as a result of the pilot  
16 program.

17           (D) A description of the reduction in non-  
18 deployability or early return from deployment of  
19 members of the Armed Forces due to musculo-  
20 skeletal injury as a result of the pilot program.

21       (f) DURATION.—The Secretary shall carry out the  
22 pilot program under this section for a period of not more  
23 than three years.

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