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(Original Signature of Member)

119TH CONGRESS
2^D SESSION

H. R. _____

To better coordinate Federal efforts to utilize advance technologies, such as AI, to improve diagnoses, treatments, cures, and prevention strategies for pediatric cancer, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. MCCAUL introduced the following bill; which was referred to the
Committee on _____

A BILL

To better coordinate Federal efforts to utilize advance technologies, such as AI, to improve diagnoses, treatments, cures, and prevention strategies for pediatric cancer, 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 “Accelerating Innova-
5 tion (AI) for Kids with Cancer Act”.

1 **SEC. 2. HARNESSING UNITED STATES AI INNOVATION TO**
2 **TREAT AND CURE PEDIATRIC CANCER.**

3 (a) IN GENERAL.—The President, in consultation
4 with the Secretary of Health and Human Services (in this
5 section referred to as the “Secretary”), shall appoint an
6 individual or entity to serve as the coordinator of Federal
7 efforts to utilize advance technologies, such as AI, to im-
8 prove diagnoses, treatments, cures, and prevention strate-
9 gies for pediatric cancer. Such individual or entity shall
10 be known as the Coordinator of AI Innovation (in this sec-
11 tion referred to as the “Coordinator”). The Coordinator
12 shall serve as a member of the Domestic Policy Council.

13 (b) IDENTIFICATION OF CCDI OPPORTUNITIES.—In
14 carrying out subsection (a), the Coordinator shall identify
15 opportunities to accelerate the progress of AI-driven solu-
16 tions at the Childhood Cancer Data Initiative (in this sec-
17 tion referred to as the “CCDI”), including—

18 (1) by improving clinical trial design and access
19 through incorporating AI approaches;

20 (2) by making data platforms and tools avail-
21 able as part of the CCDI Data Ecosystem;

22 (3) by improving data infrastructure through
23 consolidating data from multiple sources for AI-
24 ready analysis and through utilizing AI to better se-
25 lect participants for clinical trials;

1 (4) by enhancing data analysis through integra-
2 tion with AI tools—

3 (A) to improve predictive modeling of pa-
4 tient response, disease progression, and treat-
5 ment toxicity; and

6 (B) to turn multi-omics data and imaging
7 data into novel diagnostic, prognostic, and
8 therapeutic biomarkers; and

9 (5) by improving clinical trial design, access,
10 and outcomes for patients by incorporating
11 multimodal data and using AI approaches.

12 (c) IMPROVING DATA SHARING AND EMPOWERING
13 PATIENTS.—

14 (1) INTEGRATION OF AI INNOVATION INTO CUR-
15 RENT WORK ON INTEROPERABILITY.—The Secretary
16 shall work to ensure that AI innovation is appro-
17 priately integrated into current work on interoper-
18 ability to maximize the potential for electronic health
19 records and claims data to inform private sector and
20 academic research and clinical trial design, while en-
21 suring that individuals (or authorized representa-
22 tives) control their health information.

23 (2) INTEROPERABILITY STANDARDS FOR PA-
24 TIENT DATA TO BE USED WITH AI.—The Secretary

1 shall work to finalize interoperability standards for
2 patient data to be used with AI that—

3 (A) appropriately account for structured
4 and unstructured data; and

5 (B) enable safe and privacy-compliant ex-
6 changes of data.

7 (d) REPORT.—Not later than 180 days after the date
8 of the enactment of this Act, the Secretary shall submit
9 to the appropriate committees of Congress a report on the
10 implementation of this section.

11 (e) DEFINITIONS.—In this section:

12 (1) ARTIFICIAL INTELLIGENCE; AI.—The terms
13 “artificial intelligence” and “AI” have the meaning
14 given the term “artificial intelligence” in section
15 5002 of the National Artificial Intelligence Initiative
16 of 2020 (15 U.S.C. 9401).

17 (2) APPROPRIATE COMMITTEES OF CON-
18 GRESS.—The term “appropriate committees of Con-
19 gress” means—

20 (A) the Committee on Energy and Com-
21 merce of the House of Representatives;

22 (B) the Committee on Science, Space, and
23 Technology of the House of Representatives;

24 (C) the Committee on Health, Education,
25 Labor, and Pensions of the Senate; and

1 (D) the Committee on Commerce, Science,
2 and Transportation of the Senate.

3 (f) AUTHORIZATION OF APPROPRIATIONS.—

4 (1) IN GENERAL.—There are authorized to be
5 appropriated to carry out this section such funds as
6 may be necessary for each of fiscal years 2027
7 through 2031.

8 (2) CCDI.—In addition to amounts made avail-
9 able to carry out this section under paragraph (1)
10 for a fiscal year, there is authorized to be appro-
11 priated to carry out subsection (b), \$100,000,000
12 for each of fiscal years 2027 through 2031.