

Lawrence Alexander

114TH CONGRESS
2D SESSION

S. _____

To provide for the implementation of a Precision Medicine Initiative.

IN THE SENATE OF THE UNITED STATES

_____ introduced the following bill; which was read twice
and referred to the Committee on _____

A BILL

To provide for the implementation of a Precision Medicine Initiative.

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 “Advancing Precision
5 Medicine Act of 2016”.

6 **SEC. 2. PRECISION MEDICINE INITIATIVE.**

7 (a) IN GENERAL.—The Secretary of Health and
8 Human Services (referred to in this section as the “Sec-
9 retary”) is encouraged to establish and carry out an initia-
10 tive, to be known as the “Precision Medicine Initiative”,

1 to augment efforts to address disease prevention, diag-
2 nosis, and treatment.

3 (b) COMPONENTS.—The Initiative described under
4 subsection (a) may include—

5 (1) developing a network of scientists to assist
6 in carrying out the purposes of the Initiative;

7 (2) developing new approaches for addressing
8 scientific, medical, public health, and regulatory
9 science issues;

10 (3) applying genomic technologies to provide
11 data on the molecular basis of disease;

12 (4) collecting information voluntarily provided
13 by a diverse cohort of individuals that can be used
14 to better understand health and disease; and

15 (5) other activities determined appropriate by
16 the Secretary to advance the goals of the Initiative.

17 (c) AUTHORITY OF THE SECRETARY.—In carrying
18 out this section, the Secretary may—

19 (1) coordinate with the Secretary of Energy,
20 private industry, and others determined appropriate
21 by the Secretary to identify and address the ad-
22 vanced supercomputing needs for the Initiative de-
23 scribed under subsection (a);

24 (2) develop and utilize public-private partner-
25 ships; and

1 (3) leverage existing data sources.

2 (d) REQUIREMENTS.—In the implementation of the
3 Initiative under subsection (a), the Secretary shall—

4 (1) ensure the collaboration of the National In-
5 stitutes of Health, the Food and Drug Administra-
6 tion, and the Office of the National Coordinator for
7 Health Information Technology;

8 (2) comply with existing laws and regulations
9 for the protection of human subjects involved in re-
10 search, including the protection of participant pri-
11 vacy;

12 (3) implement policies and mechanisms for ap-
13 propriate secure data sharing across systems that
14 include protections for privacy and security of data;
15 and

16 (4) consider the diversity of the cohort to en-
17 sure inclusion of a broad range of participants, in-
18 cluding consideration of biological, social, and other
19 determinants of health that contribute to health dis-
20 parities.