

training, the dissemination of health information, and other programs with respect to the diagnosis and treatment of conditions associated with exposure to the drug diethylstilbestrol (in this section referred to as “DES”).

(b) Education programs

In carrying out subsection (a), the Director of NIH, after consultation with nonprofit private entities representing individuals who have been exposed to DES, shall conduct or support programs to educate health professionals and the public on the drug, including the importance of identifying and treating individuals who have been exposed to the drug.

(c) Longitudinal studies

After consultation with the Office of Research on Women’s Health, the Director of NIH, acting through the appropriate national research institutes, shall in carrying out subsection (a) conduct or support one or more longitudinal studies to determine the incidence of the following diseases or disorders in the indicated populations and the relationship of DES to the diseases or disorders:

(1) In the case of women to whom (on or after January 1, 1938) DES was administered while the women were pregnant, the incidence of all diseases and disorders (including breast cancer, gynecological cancers, and impairments of the immune system, including autoimmune disease).

(2) In the case of women exposed to DES in utero, the incidence of clear cell cancer (including recurrences), the long-term health effects of such cancer, and the effects of treatments for such cancer.

(3) In the case of men and women exposed to DES in utero, the incidence of all diseases and disorders (including impairments of the reproductive and autoimmune systems).

(4) In the case of children of men or women exposed to DES in utero, the incidence of all diseases and disorders.

(d) Exposure to DES in utero

For purposes of this section, an individual shall be considered to have been exposed to DES in utero if, during the pregnancy that resulted in the birth of such individual, DES was (on or after January 1, 1938) administered to the biological mother of the individual.

(July 1, 1944, ch. 373, title IV, §403D, formerly §403A, as added Pub. L. 102-409, §2, Oct. 13, 1992, 106 Stat. 2092; amended Pub. L. 105-340, title I, §101(a), Oct. 31, 1998, 112 Stat. 3191; renumbered §403C and amended Pub. L. 109-482, title I, §§103(b)(2), 104(a)(1), Jan. 15, 2007, 120 Stat. 3687, 3689; renumbered §403D, Pub. L. 110-85, title XI, §1104(4), Sept. 27, 2007, 121 Stat. 975.)

CODIFICATION

Section was formerly classified to section 283a of this title prior to renumbering by Pub. L. 109-482.

AMENDMENTS

2007—Subsec. (e). Pub. L. 109-482, §103(b)(2), struck out subsec. (e) which read as follows: “In addition to any other authorization of appropriations available for the purpose of carrying out this section, there are authorized to be appropriated for such purpose such sums

as may be necessary for each of the fiscal years 1993 through 2003.”

1998—Subsec. (e). Pub. L. 105-340 substituted “2003” for “1996”.

EFFECTIVE DATE OF 2007 AMENDMENT

Amendment by Pub. L. 109-482 applicable only with respect to amounts appropriated for fiscal year 2007 or subsequent fiscal years, see section 109 of Pub. L. 109-482, set out as a note under section 281 of this title.

§ 283b. Repealed. Pub. L. 106-525, title I, § 101(b)(2), Nov. 22, 2000, 114 Stat. 2501

Section, act July 1, 1944, ch. 373, title IV, §404, as added Pub. L. 103-43, title I, §151, June 10, 1993, 107 Stat. 139, related to the establishment and purpose of the Office of Research on Minority Health.

§ 283c. Office of Behavioral and Social Sciences Research

(a) There is established within the Office of the Director of NIH an office to be known as the Office of Behavioral and Social Sciences Research (in this section referred to as the “Office”). The Office shall be headed by a director, who shall be appointed by the Director of NIH.

(b)(1) With respect to research on the relationship between human behavior and the development, treatment, and prevention of medical conditions, the Director of the Office shall—

(A) coordinate research conducted or supported by the agencies of the National Institutes of Health; and

(B) identify projects of behavioral and social sciences research that should be conducted or supported by the national research institutes, and develop such projects in cooperation with such institutes.

(2) Research authorized under paragraph (1) includes research on teen pregnancy, infant mortality, violent behavior, suicide, and homelessness. Such research does not include neurobiological research, or research in which the behavior of an organism is observed for the purpose of determining activity at the cellular or molecular level.

(July 1, 1944, ch. 373, title IV, §404A, as added Pub. L. 103-43, title II, §203(a), June 10, 1993, 107 Stat. 145.)

EFFECTIVE DATE

Pub. L. 103-43, title II, §203(c), June 10, 1993, 107 Stat. 146, provided that: “The amendment described in subsection (a) [enacting this section] is made upon the date of the enactment of this Act [June 10, 1993] and takes effect July 1, 1993. Subsection (b) [107 Stat. 145] takes effect on such date.”

§ 283d. Children’s Vaccine Initiative

The Secretary, in consultation with the Director of the National Vaccine Program under subchapter XIX and acting through the Directors of the National Institute for Allergy and Infectious Diseases, the Eunice Kennedy Shriver National Institute of Child Health and Human Development, the National Institute for Aging, and other public and private programs, shall carry out activities, which shall be consistent with the global Children’s Vaccine Initiative, to develop affordable new and improved vaccines to be used in the United States and in the develop-

ing world that will increase the efficacy and efficiency of the prevention of infectious diseases. In carrying out such activities, the Secretary shall, to the extent practicable, develop and make available vaccines that require fewer contacts to deliver, that can be given early in life, that provide long lasting protection, that obviate refrigeration, needles and syringes, and that protect against a larger number of diseases.

(July 1, 1944, ch. 373, title IV, §404B, as added Pub. L. 103-43, title II, §204, June 10, 1993, 107 Stat. 146; amended Pub. L. 109-482, title I, §103(b)(3), Jan. 15, 2007, 120 Stat. 3687; Pub. L. 110-154, §1(b)(2), Dec. 21, 2007, 121 Stat. 1827; Pub. L. 114-255, div. A, title II, §2042(d), Dec. 13, 2016, 130 Stat. 1073.)

AMENDMENTS

2016—Pub. L. 114-255 struck out subsec. (a) designation and heading “Development of New Vaccines” and subsec. (b). Prior to amendment, text of subsec. (b) read as follows: “In the report required in section 300aa-4 of this title, the Secretary, acting through the Director of the National Vaccine Program under subchapter XIX, shall include information with respect to activities and the progress made in implementing the provisions of this section and achieving its goals.”

2007—Subsec. (a). Pub. L. 110-154 substituted “Eunice Kennedy Shriver National Institute of Child Health and Human Development” for “National Institute for Child Health and Human Development”.

Subsec. (c). Pub. L. 109-482 struck out heading and text of subsec. (c). Text read as follows: “In addition to any other amounts authorized to be appropriated for activities of the type described in this section, there are authorized to be appropriated to carry out this section \$20,000,000 for fiscal year 1994, and such sums as may be necessary for each of the fiscal years 1995 and 1996.”

EFFECTIVE DATE OF 2007 AMENDMENT

Amendment by Pub. L. 109-482 applicable only with respect to amounts appropriated for fiscal year 2007 or subsequent fiscal years, see section 109 of Pub. L. 109-482, set out as a note under section 281 of this title.

§ 283e. Plan for use of animals in research

(a) Preparation

The Director of NIH, after consultation with the committee established under subsection (e), shall prepare a plan—

(1) for the National Institutes of Health to conduct or support research into—

(A) methods of biomedical research and experimentation that do not require the use of animals;

(B) methods of such research and experimentation that reduce the number of animals used in such research;

(C) methods of such research and experimentation that produce less pain and distress in such animals; and

(D) methods of such research and experimentation that involve the use of marine life (other than marine mammals);

(2) for establishing the validity and reliability of the methods described in paragraph (1);

(3) for encouraging the acceptance by the scientific community of such methods that have been found to be valid and reliable; and

(4) for training scientists in the use of such methods that have been found to be valid and reliable.

(b) Submission to Congressional committees

Not later than October 1, 1993, the Director of NIH shall submit to the Committee on Energy and Commerce of the House of Representatives, and to the Committee on Labor and Human Resources of the Senate, the plan required in subsection (a) and shall begin implementation of the plan.

(c) Periodic review and revision

The Director of NIH shall periodically review, and as appropriate, make revisions in the plan required under subsection (a). A description of any revision made in the plan shall be included in the first biennial report under section 283 of this title that is submitted after the revision is made.

(d) Dissemination of information

The Director of NIH shall take such actions as may be appropriate to convey to scientists and others who use animals in biomedical or behavioral research or experimentation information respecting the methods found to be valid and reliable under subsection (a)(2).

(e) Interagency Coordinating Committee on the Use of Animals in Research

(1) The Director of NIH shall establish within the National Institutes of Health a committee to be known as the Interagency Coordinating Committee on the Use of Animals in Research (in this subsection referred to as the “Committee”).

(2) The Committee shall provide advice to the Director of NIH on the preparation of the plan required in subsection (a).

(3) The Committee shall be composed of—

(A) the Directors of each of the national research institutes (or the designees of such Directors); and

(B) representatives of the Environmental Protection Agency, the Food and Drug Administration, the Consumer Product Safety Commission, the National Science Foundation, and such additional agencies as the Director of NIH determines to be appropriate, which representatives shall include not less than one veterinarian with expertise in laboratory-animal medicine.

(July 1, 1944, ch. 373, title IV, §404C, as added Pub. L. 103-43, title II, §205(a), June 10, 1993, 107 Stat. 146; amended Pub. L. 112-74, div. F, title II, §221(d)(2), Dec. 23, 2011, 125 Stat. 1090.)

AMENDMENTS

2011—Subsec. (e)(3)(A). Pub. L. 112-74 struck out “and the Director of the Center for Research Resources” after “institutes”.

CHANGE OF NAME

Committee on Labor and Human Resources of Senate changed to Committee on Health, Education, Labor, and Pensions of Senate by Senate Resolution No. 20, One Hundred Sixth Congress, Jan. 19, 1999.

Committee on Energy and Commerce of House of Representatives treated as referring to Committee on Commerce of House of Representatives by section 1(a) of Pub. L. 104-14, set out as a note preceding section 21 of Title 2, The Congress. Committee on Commerce of House of Representatives changed to Committee on Energy and Commerce of House of Representatives, and jurisdiction over matters relating to securities and ex-