

pate as subjects. With respect to the purpose described in such subsection, the study shall monitor the subjects throughout the period of the study to determine the health status of the subjects and any change in such status over time.

**(2) Population-specific analyses**

The study required in subsection (a) of this section shall be conducted with respect to the population of adolescents who are female, the population of adolescents who are male, various socioeconomic populations of adolescents, and various racial and ethnic populations of adolescents. The study shall be designed and conducted in a manner sufficient to provide for a valid analysis of whether there are significant differences among such populations in health status and whether and to what extent any such differences are due to factors particular to the populations involved.

**(c) Coordination with Women's Health Initiative**

With respect to the national study of women being conducted by the Secretary and known as the Women's Health Initiative, the Secretary shall ensure that such study is coordinated with the component of the study required in subsection (a) of this section that concerns adolescent females, including coordination in the design of the 2 studies.

(July 1, 1944, ch. 373, title IV, § 452D, as added Pub. L. 103-43, title X, § 1031, June 10, 1993, 107 Stat. 167.)

**§ 285g-9. Fragile X**

**(a) Expansion and coordination of research activities**

The Director of the Institute, after consultation with the advisory council for the Institute, shall expand, intensify, and coordinate the activities of the Institute with respect to research on the disease known as fragile X.

**(b) Research centers**

**(1) In general**

The Director of the Institute shall make grants or enter into contracts for the development and operation of centers to conduct research for the purposes of improving the diagnosis and treatment of, and finding the cure for, fragile X.

**(2) Number of centers**

**(A) In general**

In carrying out paragraph (1), the Director of the Institute shall, to the extent that amounts are appropriated, and subject to subparagraph (B), provide for the establishment of at least three fragile X research centers.

**(B) Peer review requirement**

The Director of the Institute shall make a grant to, or enter into a contract with, an entity for purposes of establishing a center under paragraph (1) only if the grant or contract has been recommended after technical and scientific peer review required by regulations under section 289a of this title.

**(3) Activities**

The Director of the Institute, with the assistance of centers established under para-

graph (1), shall conduct and support basic and biomedical research into the detection and treatment of fragile X.

**(4) Coordination among centers**

The Director of the Institute shall, as appropriate, provide for the coordination of the activities of the centers assisted under this section, including providing for the exchange of information among the centers.

**(5) Certain administrative requirements**

Each center assisted under paragraph (1) shall use the facilities of a single institution, or be formed from a consortium of cooperating institutions, meeting such requirements as may be prescribed by the Director of the Institute.

**(6) Duration of support**

Support may be provided to a center under paragraph (1) for a period not exceeding 5 years. Such period may be extended for one or more additional periods, each of which may not exceed 5 years, if the operations of such center have been reviewed by an appropriate technical and scientific peer review group established by the Director and if such group has recommended to the Director that such period be extended.

(July 1, 1944, ch. 373, title IV, § 452E, as added Pub. L. 106-310, div. A, title II, § 201, Oct. 17, 2000, 114 Stat. 1109; amended Pub. L. 109-482, title I, § 103(b)(30), Jan. 15, 2007, 120 Stat. 3688.)

AMENDMENTS

2007—Subsec. (b)(7). Pub. L. 109-482 struck out heading and text of par. (7). Text read as follows: "For the purpose of carrying out this subsection, there are authorized to be appropriated such sums as may be necessary for each of the fiscal years 2001 through 2005."

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.

**§ 285g-10. Investment in tomorrow's pediatric researchers**

In order to ensure the future supply of researchers dedicated to the care and research needs of children, the Director of the Institute, after consultation with the Administrator of the Health Resources and Services Administration, shall support activities to provide for—

(1) an increase in the number and size of institutional training grants to institutions supporting pediatric training; and

(2) an increase in the number of career development awards for health professionals who intend to build careers in pediatric basic and clinical research, including pediatric pharmacological research.

(July 1, 1944, ch. 373, title IV, § 452G, as added Pub. L. 106-310, div. A, title X, § 1002(a), Oct. 17, 2000, 114 Stat. 1128; amended Pub. L. 109-482, title I, § 103(b)(31), Jan. 15, 2007, 120 Stat. 3688; Pub. L. 110-85, title V, § 503(a), Sept. 27, 2007, 121 Stat. 890.)

AMENDMENTS

2007—Pub. L. 109-482 struck out subsec. (a) designation and heading before "In order to" and struck out

heading and text of subsec. (b). Text read as follows: “For the purpose of carrying out subsection (a) of this section, there are authorized to be appropriated such sums as may be necessary for each of the fiscal years 2001 through 2005.”

Par. (2). Pub. L. 110-85 inserted “, including pediatric pharmacological research” before period at end.

#### 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.

#### SUBPART 8—NATIONAL INSTITUTE OF DENTAL RESEARCH

##### § 285h. Purpose of Institute

The general purpose of the National Institute of Dental Research is the conduct and support of research, training, health information dissemination, and other programs with respect to the cause, prevention, and methods of diagnosis and treatment of dental and oral diseases and conditions.

(July 1, 1944, ch. 373, title IV, § 453, as added Pub. L. 99-158, § 2, Nov. 20, 1985, 99 Stat. 856.)

#### SUBPART 9—NATIONAL EYE INSTITUTE

##### § 285i. Purpose of Institute

The general purpose of the National Eye Institute (hereafter in this subpart referred to as the “Institute”) is the conduct and support of research, training, health information dissemination, and other programs with respect to blinding eye diseases, visual disorders, mechanisms of visual function, preservation of sight, and the special health problems and requirements of the blind. Subject to section 285i-1 of this title, the Director of the Institute may carry out a program of grants for public and private nonprofit vision research facilities.

(July 1, 1944, ch. 373, title IV, § 455, as added Pub. L. 99-158, § 2, Nov. 20, 1985, 99 Stat. 856; amended Pub. L. 103-43, title XI, § 1101(b), June 10, 1993, 107 Stat. 169.)

#### AMENDMENTS

1993—Pub. L. 103-43 substituted “Subject to section 285i-1 of this title, the Director” for “The Director” in second sentence.

##### § 285i-1. Clinical research on eye care and diabetes

###### (a) Program of grants

The Director of the Institute, in consultation with the advisory council for the Institute, may award research grants to one or more Diabetes Eye Research Institutions for the support of programs in clinical or health services aimed at—

- (1) providing comprehensive eye care services for people with diabetes, including a full complement of preventive, diagnostic and treatment procedures;
- (2) developing new and improved techniques of patient care through basic and clinical research;
- (3) assisting in translation of the latest research advances into clinical practice; and
- (4) expanding the knowledge of the eye and diabetes through further research.

###### (b) Use of funds

Amounts received under a grant awarded under this section shall be used for the following:

- (1) Establishing the biochemical, cellular, and genetic mechanisms associated with diabetic eye disease and the earlier detection of pending eye abnormalities. The focus of work under this paragraph shall require that ophthalmologists have training in the most up-to-date molecular and cell biological methods.
- (2) Establishing new frontiers in technology, such as video-based diagnostic and research resources, to—
  - (A) provide improved patient care;
  - (B) provide for the evaluation of retinal physiology and its affect on diabetes; and
  - (C) provide for the assessment of risks for the development and progression of diabetic eye disease and a more immediate evaluation of various therapies aimed at preventing diabetic eye disease.

Such technologies shall be designed to permit evaluations to be performed both in humans and in animal models.

(3) The translation of the results of vision research into the improved care of patients with diabetic eye disease. Such translation shall require the application of institutional resources that encompass patient care, clinical research and basic laboratory research.

(4) The conduct of research concerning the outcomes of eye care treatments and eye health education programs as they relate to patients with diabetic eye disease, including the evaluation of regional approaches to such research.

###### (c) Authorized expenditures

The purposes for which a grant under subsection (a) of this section may be expended include equipment for the research described in such subsection.

(July 1, 1944, ch. 373, title IV, § 456, as added Pub. L. 103-43, title XI, § 1101(a), June 10, 1993, 107 Stat. 168.)

#### SUBPART 10—NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE

#### AMENDMENTS

1988—Pub. L. 100-553, § 2(2), Oct. 28, 1988, 102 Stat. 2769, and Pub. L. 100-607, title I, § 101(2), Nov. 4, 1988, 102 Stat. 3049, made identical amendments to subpart heading, substituting “Neurological Disorders” for “Neurological and Communicative Disorders”. Pub. L. 100-690, title II, § 2613(b)(2), Nov. 18, 1988, 102 Stat. 4238, amended subpart heading to read as if the amendment by Pub. L. 100-607 had not been enacted.

##### § 285j. Purpose of Institute

The general purpose of the National Institute of Neurological Disorders and Stroke (hereafter in this subpart referred to as the “Institute”) is the conduct and support of research, training, health information dissemination, and other programs with respect to neurological disease and disorder and stroke.

(July 1, 1944, ch. 373, title IV, § 457, as added Pub. L. 99-158, § 2, Nov. 20, 1985, 99 Stat. 857; amended