

EFFECTIVE DATE OF 1988 AMENDMENT

Amendment by Pub. L. 100-690 effective immediately after enactment of Pub. L. 100-607, which was approved Nov. 4, 1988, see section 2600 of Pub. L. 100-690, set out as a note under section 242m of this title.

WARREN G. MAGNUSON CLINICAL CENTER; AVAILABILITY OF FUNDS FOR PAYMENT OF NURSES; RATE OF PAY AND OPTIONS AND BENEFITS

Pub. L. 99-349, title I, July 2, 1986, 100 Stat. 738, provided that: "Funds made available for fiscal year 1986 and hereafter to the Warren G. Magnuson Clinical Center of the National Institutes of Health shall be available for payment of nurses at the rates of pay and with schedule options and benefits authorized for the Veterans Administration pursuant to 38 U.S.C. 4107."

§ 284d. Definitions**(a) Health service research**

For purposes of this subchapter, the term "health services research" means research endeavors that study the impact of the organization, financing and management of health services on the quality, cost, access to and outcomes of care. Such term does not include research on the efficacy of services to prevent, diagnose, or treat medical conditions.

(b) Clinical research

As used in this subchapter, the term "clinical research" means patient oriented clinical research conducted with human subjects, or research on the causes and consequences of disease in human populations involving material of human origin (such as tissue specimens and cognitive phenomena) for which an investigator or colleague directly interacts with human subjects in an outpatient or inpatient setting to clarify a problem in human physiology, pathophysiology or disease, or epidemiologic or behavioral studies, outcomes research or health services research, or developing new technologies, therapeutic interventions, or clinical trials.

(July 1, 1944, ch. 373, title IV, § 409, as added Pub. L. 102-321, title I, § 121(b), July 10, 1992, 106 Stat. 358; amended Pub. L. 103-43, title XX, § 2016(a), June 10, 1993, 107 Stat. 218; Pub. L. 106-505, title II, § 206, Nov. 13, 2000, 114 Stat. 2329.)

AMENDMENTS

2000—Pub. L. 106-505 designated existing provisions as subsec. (a), inserted heading, and added subsec. (b).

1993—Pub. L. 103-43 inserted at end "Such term does not include research on the efficacy of services to prevent, diagnose, or treat medical conditions."

EFFECTIVE DATE

Section effective Oct. 1, 1992, with provision for programs providing financial assistance, see section 801(c), (d) of Pub. L. 102-321, set out as an Effective Date of 1992 Amendment note under section 236 of this title.

§ 284e. Research on osteoporosis, Paget's disease, and related bone disorders**(a) Establishment**

The Directors of the National Institute of Arthritis and Musculoskeletal and Skin Diseases, the National Institute on Aging, the National Institute of Dental Research, and the National Institute of Diabetes and Digestive and Kidney Diseases, shall expand and intensify the pro-

grams of such Institutes with respect to research and related activities concerning osteoporosis, Paget's disease, and related bone disorders.

(b) Coordination

The Directors referred to in subsection (a) of this section shall jointly coordinate the programs referred to in such subsection and consult with the Arthritis and Musculoskeletal Diseases Interagency Coordinating Committee and the Interagency Task Force on Aging Research.

(c) Information clearinghouse**(1) In general**

In order to assist in carrying out the purpose described in subsection (a) of this section, the Director of NIH shall provide for the establishment of an information clearinghouse on osteoporosis and related bone disorders to facilitate and enhance knowledge and understanding on the part of health professionals, patients, and the public through the effective dissemination of information.

(2) Establishment through grant or contract

For the purpose of carrying out paragraph (1), the Director of NIH shall enter into a grant, cooperative agreement, or contract with a nonprofit private entity involved in activities regarding the prevention and control of osteoporosis and related bone disorders.

(July 1, 1944, ch. 373, title IV, § 409A, as added Pub. L. 103-43, title III, § 302, June 10, 1993, 107 Stat. 151; amended Pub. L. 105-340, title I, § 102, Oct. 31, 1998, 112 Stat. 3192; Pub. L. 109-482, title I, § 103(b)(7), Jan. 15, 2007, 120 Stat. 3687.)

AMENDMENTS

2007—Subsec. (d). Pub. L. 109-482 struck out heading and text of subsec. (d). Text read as follows: "For the purpose of carrying out this section, there are authorized to be appropriated \$40,000,000 for fiscal year 1994, and such sums as may be necessary for each of the fiscal years 1995 through 2003."

1998—Subsec. (d). Pub. L. 105-340 substituted "through 2003" for "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.

§ 284f. Parkinson's disease**(a) In general**

The Director of NIH shall establish a program for the conduct and support of research and training with respect to Parkinson's disease (subject to the extent of amounts appropriated to carry out this section).

(b) Inter-institute coordination**(1) In general**

The Director of NIH shall provide for the coordination of the program established under subsection (a) of this section among all of the national research institutes conducting Parkinson's disease research.

(2) Conference

Coordination under paragraph (1) shall include the convening of a research planning

conference not less frequently than once every 2 years. Each such conference shall prepare and submit to the Committee on Appropriations and the Committee on Labor and Human Resources of the Senate and the Committee on Appropriations and the Committee on Commerce of the House of Representatives a report concerning the conference.

(c) Morris K. Udall research centers

(1) In general

The Director of NIH is authorized to award Core Center Grants to encourage the development of innovative multidisciplinary research and provide training concerning Parkinson's disease. The Director is authorized to award not more than 10 Core Center Grants and designate each center funded under such grants as a Morris K. Udall Center for Research on Parkinson's Disease.

(2) Requirements

(A) In general

With respect to Parkinson's disease, each center assisted under this subsection shall—

- (i) use the facilities of a single institution or a consortium of cooperating institutions, and meet such qualifications as may be prescribed by the Director of the NIH; and
- (ii) conduct basic and clinical research.

(B) Discretionary requirements

With respect to Parkinson's disease, each center assisted under this subsection may—

- (i) conduct training programs for scientists and health professionals;
- (ii) conduct programs to provide information and continuing education to health professionals;
- (iii) conduct programs for the dissemination of information to the public;
- (iv) separately or in collaboration with other centers, establish a nationwide data system derived from patient populations with Parkinson's disease, and where possible, comparing relevant data involving general populations;
- (v) separately or in collaboration with other centers, establish a Parkinson's Disease Information Clearinghouse to facilitate and enhance knowledge and understanding of Parkinson's disease; and
- (vi) separately or in collaboration with other centers, establish a national education program that fosters a national focus on Parkinson's disease and the care of those with Parkinson's disease.

(3) Stipends regarding training programs

A center may use funds provided under paragraph (1) to provide stipends for scientists and health professionals enrolled in training programs under paragraph (2)(B).

(4) Duration of support

Support of a center under this subsection may be for a period not exceeding five years. Such period may be extended by the Director of NIH for one or more additional periods of not more than five years if the operations of such center have been reviewed by an appro-

priate technical and scientific peer review group established by the Director and if such group has recommended to the Director that such period should be extended.

(d) Morris K. Udall Awards for Excellence in Parkinson's Disease Research

The Director of NIH is authorized to establish a grant program to support investigators with a proven record of excellence and innovation in Parkinson's disease research and who demonstrate potential for significant future breakthroughs in the understanding of the pathogenesis,¹ diagnosis, and treatment of Parkinson's disease. Grants under this subsection shall be available for a period of not to exceed 5 years.

(July 1, 1944, ch. 373, title IV, §409B, as added Pub. L. 105-78, title VI, §603(c), Nov. 13, 1997, 111 Stat. 1520; amended Pub. L. 109-482, title I, §103(b)(8), Jan. 15, 2007, 120 Stat. 3687.)

AMENDMENTS

2007—Subsec. (a). Pub. L. 109-482, §103(b)(8)(A), substituted "to carry out this section" for "under subsection (e) of this section".

Subsec. (e). Pub. L. 109-482, §103(b)(8)(B), struck out heading and text of subsec. (e). Text read as follows: "For the purpose of carrying out this section and section 241 of this title and this subchapter with respect to research focused on Parkinson's disease, there are authorized to be appropriated up to \$100,000,000 for fiscal year 1998, and such sums as may be necessary for each of the fiscal years 1999 and 2000."

CHANGE OF NAME

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 exchanges and insurance generally transferred to Committee on Financial Services of House of Representatives by House Resolution No. 5, One Hundred Seventh Congress, Jan. 3, 2001.

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.

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.

ADDITIONAL GRANTS

Pub. L. 108-199, div. E, title II, §217, Jan. 23, 2004, 118 Stat. 255, provided that: "Notwithstanding section 409B(c) of the Public Health Service Act [42 U.S.C. 284f(c)] regarding a limitation on the number of such grants, funds appropriated in this Act [div. E of Pub. L. 108-199, see Tables for classification] and Acts in fiscal years thereafter may be expended by the Director of the National Institutes of Health to award Core Center Grants to encourage the development of innovative multidisciplinary research and provide training concerning Parkinson's disease. Each center funded under such grants shall be designated as a Morris K. Udall Center for Research on Parkinson's Disease."

Similar provisions were contained in Pub. L. 108-7, div. G, title II, §218, Feb. 20, 2003, 117 Stat. 326.

FINDING AND PURPOSE

Pub. L. 105-78, title VI, §603(b), Nov. 13, 1997, 111 Stat. 1519, provided that:

¹ So in original. Probably should be "pathogenesis."

“(1) FINDING.—Congress finds that to take full advantage of the tremendous potential for finding a cure or effective treatment, the Federal investment in Parkinson’s disease must be expanded, as well as the coordination strengthened among the National Institutes of Health research institutes.

“(2) PURPOSE.—It is the purpose of this section [enacting this section] to provide for the expansion and coordination of research regarding Parkinson’s disease, and to improve care and assistance for afflicted individuals and their family caregivers.”

§ 284g. Expansion, intensification, and coordination of activities of National Institutes of Health with respect to research on autism spectrum disorder

(a) In general

(1) Expansion of activities

The Director of NIH (in this section referred to as the “Director”) shall, subject to the availability of appropriations, expand, intensify, and coordinate the activities of the National Institutes of Health with respect to research on autism spectrum disorder, including basic and clinical research in fields including pathology, developmental neurobiology, genetics, epigenetics, pharmacology, nutrition, immunology, neuroimmunology, neurobehavioral development, endocrinology, gastroenterology, and toxicology. Such research shall investigate the cause (including possible environmental causes), diagnosis or rule out, early detection, prevention, services, supports, intervention, and treatment of autism spectrum disorder.

(2) Consolidation

The Director may consolidate program activities under this section if such consolidation would improve program efficiencies and outcomes.

(3) Administration of program; collaboration among agencies

The Director shall carry out this section acting through the Director of the National Institute of Mental Health and in collaboration with any other agencies that the Director determines appropriate.

(b) Centers of excellence

(1) In general

The Director shall under subsection (a)(1) of this section make awards of grants and contracts to public or nonprofit private entities to pay all or part of the cost of planning, establishing, improving, and providing basic operating support for centers of excellence regarding research on autism spectrum disorder.

(2) Research

Each center under paragraph (1) shall conduct basic and clinical research into autism spectrum disorder. Such research should include investigations into the cause, diagnosis, early detection, prevention, control, and treatment of autism spectrum disorder. The centers, as a group, shall conduct research including the fields of developmental neurobiology, genetics, and psychopharmacology.

(3) Services for patients

(A) In general

A center under paragraph (1) may expend amounts provided under such paragraph to carry out a program to make individuals aware of opportunities to participate as subjects in research conducted by the centers.

(B) Referrals and costs

A program under subparagraph (A) may, in accordance with such criteria as the Director may establish, provide to the subjects described in such subparagraph, referrals for health and other services, and such patient care costs as are required for research.

(C) Availability and access

The extent to which a center can demonstrate availability and access to clinical services shall be considered by the Director in decisions about awarding grants to applicants which meet the scientific criteria for funding under this section.

(4) Organization of centers

Each center 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.

(5) Number of centers; duration of support

(A) In general

The Director shall provide for the establishment of not less than five centers under paragraph (1).

(B) Duration

Support for a center established under paragraph (1) may be provided under this section for a period of not to exceed 5 years. Such period may be extended for one or more additional periods not exceeding 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 should be extended.

(c) Facilitation of research

The Director shall under subsection (a)(1) of this section provide for a program under which samples of tissues and genetic materials that are of use in research on autism spectrum disorder are donated, collected, preserved, and made available for such research. The program shall be carried out in accordance with accepted scientific and medical standards for the donation, collection, and preservation of such samples.

(d) Public input

The Director shall under subsection (a)(1) of this section provide for means through which the public can obtain information on the existing and planned programs and activities of the National Institutes of Health with respect to autism spectrum disorder and through which the Director can receive comments from the public regarding such programs and activities.

(July 1, 1944, ch. 373, title IV, §409C, as added Pub. L. 106-310, div. A, title I, §101, Oct. 17, 2000,