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 TITLE 42--THE PUBLIC HEALTH AND WELFARE

 CHAPTER 6A--PUBLIC HEALTH SERVICE

 SUBCHAPTER II--GENERAL POWERS AND DUTIES

 Part A--Research and Investigations

Sec. 241. Research and investigations generally

(a) Authority of Secretary

 The Secretary shall conduct in the Service, and encourage, cooperate

with, and render assistance to other appropriate public authorities,

scientific institutions, and scientists in the conduct of, and promote

the coordination of, research, investigations, experiments,

demonstrations, and studies relating to the causes, diagnosis,

treatment, control, and prevention of physical and mental diseases and

impairments of man, including water purification, sewage treatment, and

pollution of lakes and streams. In carrying out the foregoing the

Secretary is authorized to--

 (1) collect and make available through publications and other

 appropriate means, information as to, and the practical application

 of, such research and other activities;

 (2) make available research facilities of the Service to

 appropriate public authorities, and to health officials and

 scientists engaged in special study;

 (3) make grants-in-aid to universities, hospitals, laboratories,

 and other public or private institutions, and to individuals for

 such research projects as are recommended by the advisory council to

 the entity of the Department supporting such projects and make, upon

 recommendation of the advisory council to the appropriate entity of

 the Department, grants-in-aid to public or nonprofit universities,

 hospitals, laboratories, and other institutions for the general

 support of their research;

 (4) secure from time to time and for such periods as he deems

 advisable, the assistance and advice of experts, scholars, and

 consultants from the United States or abroad;

 (5) for purposes of study, admit and treat at institutions,

 hospitals, and stations of the Service, persons not otherwise

 eligible for such treatment;

 (6) make available, to health officials, scientists, and

 appropriate public and other nonprofit institutions and

 organizations, technical advice and assistance on the application of

 statistical methods to experiments, studies, and surveys in health

 and medical fields;

 (7) enter into contracts, including contracts for research in

 accordance with and subject to the provisions of law applicable to

 contracts entered into by the military departments under sections

 2353 and 2354 of title 10, except that determination, approval, and

 certification required thereby shall be by the Secretary of Health

 and Human Services; and

 (8) adopt, upon recommendations of the advisory councils to the

 appropriate entities of the Department or, with respect to mental

 health, the National Advisory Mental Health Council, such additional

 means as the Secretary considers necessary or appropriate to carry

 out the purposes of this section.

The Secretary may make available to individuals and entities, for

biomedical and behavioral research, substances and living organisms.

Such substances and organisms shall be made available under such terms

and conditions (including payment for them) as the Secretary determines

appropriate.

(b) Testing for carcinogenicity, teratogenicity, mutagenicity, and other

 harmful biological effects; consultation

 (1) The Secretary shall conduct and may support through grants and

contracts studies and testing of substances for carcinogenicity,

teratogenicity, mutagenicity, and other harmful biological effects. In

carrying out this paragraph, the Secretary shall consult with entities

of the Federal Government, outside of the Department of Health and Human

Services, engaged in comparable activities. The Secretary, upon request

of such an entity and under appropriate arrangements for the payment of

expenses, may conduct for such entity studies and testing of substances

for carcinogenicity, teratogenicity, mutagenicity, and other harmful

biological effects.

 (2)(A) The Secretary shall establish a comprehensive program of

research into the biological effects of low-level ionizing radiation

under which program the Secretary shall conduct such research and may

support such research by others through grants and contracts.

 (B) The Secretary shall conduct a comprehensive review of Federal

programs of research on the biological effects of ionizing radiation.

 (3) The Secretary shall conduct and may support through grants and

contracts research and studies on human nutrition, with particular

emphasis on the role of nutrition in the prevention and treatment of

disease and on the maintenance and promotion of health, and programs for

the dissemination of information respecting human nutrition to health

professionals and the public. In carrying out activities under this

paragraph, the Secretary shall provide for the coordination of such of

these activities as are performed by the different divisions within the

Department of Health and Human Services and shall consult with entities

of the Federal Government, outside of the Department of Health and Human

Services, engaged in comparable activities. The Secretary, upon request

of such an entity and under appropriate arrangements for the payment of

expenses, may conduct and support such activities for such entity.

 (4) The Secretary shall publish a biennial report which contains--

 (A) a list of all substances (i) which either are known to be

 carcinogens or may reasonably be anticipated to be carcinogens and

 (ii) to which a significant number of persons residing in the United

 States are exposed;

 (B) information concerning the nature of such exposure and the

 estimated number of persons exposed to such substances;

 (C) a statement identifying (i) each substance contained in the

 list under subparagraph (A) for which no effluent, ambient, or

 exposure standard has been established by a Federal agency, and (ii)

 for each effluent, ambient, or exposure standard established by a

 Federal agency with respect to a substance contained in the list

 under subparagraph (A), the extent to which, on the basis of

 available medical, scientific, or other data, such standard, and the

 implementation of such standard by the agency, decreases the risk to

 public health from exposure to the substance; and

 (D) a description of (i) each request received during the year

 involved--

 (I) from a Federal agency outside the Department of Health

 and Human Services for the Secretary, or

 (II) from an entity within the Department of Health and

 Human Services to any other entity within the Department,

 to conduct research into, or testing for, the carcinogenicity of

 substances or to provide information described in clause (ii) of

 subparagraph (C), and (ii) how the Secretary and each such other

 entity, respectively, have responded to each such request.

 (5) The authority of the Secretary to enter into any contract for

the conduct of any study, testing, program, research, or review, or

assessment under this subsection shall be effective for any fiscal year

only to such extent or in such amounts as are provided in advance in

appropriation Acts.

(c) Diseases not significantly occurring in United States

 The Secretary may conduct biomedical research, directly or through

grants or contracts, for the identification, control, treatment, and

prevention of diseases (including tropical diseases) which do not occur

to a significant extent in the United States.

(d) Protection of privacy of individuals who are research subjects

 The Secretary may authorize persons engaged in biomedical,

behavioral, clinical, or other research (including research on mental

health, including research on the use and effect of alcohol and other

psychoactive drugs) to protect the privacy of individuals who are the

subject of such research by withholding from all persons not connected

with the conduct of such research the names or other identifying

characteristics of such individuals. Persons so authorized to protect

the privacy of such individuals may not be compelled in any Federal,

State, or local civil, criminal, administrative, legislative, or other

proceedings to identify such individuals.

(July 1, 1944, ch. 373, title III, Sec. 301, 58 Stat. 691; July 3, 1946,

ch. 538, Sec. 7(a), (b), 60 Stat. 423; June 16, 1948, ch. 481,

Sec. 4(e), (f), 62 Stat. 467; June 24, 1948, ch. 621, Sec. 4(e), (f), 62

Stat. 601; June 25, 1948, ch. 654, Sec. 1, 62 Stat. 1017; July 3, 1956,

ch. 510, Sec. 4, 70 Stat. 490; Pub. L. 86-798, Sept. 15, 1960, 74 Stat.

1053; Pub. L. 87-838, Sec. 2, Oct. 17, 1962, 76 Stat. 1073; Pub. L. 89-

115, Sec. 3, Aug. 9, 1965, 79 Stat. 448; Pub. L. 90-174, Sec. 9, Dec. 5,

1967, 81 Stat. 540; Pub. L. 91-513, title I, Sec. 3(a), Oct. 27, 1970,

84 Stat. 1241; Pub. L. 91-515, title II, Sec. 292, Oct. 30, 1970, 84

Stat. 1308; Pub. L. 92-218, Sec. 6(a)(2), Dec. 23, 1971, 85 Stat. 785;

Pub. L. 92-423, Sec. 7(b), Sept. 19, 1972, 86 Stat. 687; Pub. L. 93-282,

title I, Sec. 122(b), May 14, 1974, 88 Stat. 132; Pub. L. 93-348, title

I, Sec. 104(a)(1), July 12, 1974, 88 Stat. 346; Pub. L. 93-352, title I,

Sec. 111, July 23, 1974, 88 Stat. 360; Pub. L. 94-278, title I,

Sec. 111, Apr. 22, 1976, 90 Stat. 405; Pub. L. 95-622, title II,

Secs. 261, 262, Nov. 9, 1978, 92 Stat. 3434; Pub. L. 96-88, title V,

Sec. 509(b), Oct. 17, 1979, 93 Stat. 695; Pub. L. 99-158, Sec. 3(a)(5),

Nov. 20, 1985, 99 Stat. 879; Pub. L. 99-570, title IV, Sec. 4021(b)(2),

Oct. 27, 1986, 100 Stat. 3207-124; Pub. L. 99-660, title I, Sec. 104,

Nov. 14, 1986, 100 Stat. 3751; Pub. L. 100-607, title I, Sec. 163(1),

(2), Nov. 4, 1988, 102 Stat. 3062; Pub. L. 103-43, title XX, Sec. 2009,

June 10, 1993, 107 Stat. 213.)

 Amendments

 1993--Subsec. (b)(4). Pub. L. 103-43 substituted ``a biennial

report'' for ``an annual report'' in introductory provisions.

 1988--Subsec. (d). Pub. L. 100-607 redesignated concluding

provisions of subsec. (a) of section 242a of this title as subsec. (d)

of this section, substituted ``biomedical, behavioral, clinical, or

other research (including research on mental health, including'' for

``research on mental health, including'', and substituted ``drugs)'' for

``drugs,''.

 1986--Subsec. (a)(3). Pub. L. 99-570 struck out ``or, in the case of

mental health projects, by the National Advisory Mental Health

Council;'' after ``Department supporting such projects'' and struck out

``or the National Advisory Mental Health Council'' after ``appropriate

entity of the Department''.

 Subsec. (c). Pub. L. 99-660 added subsec. (c).

 1985--Subsec. (a)(3). Pub. L. 99-158, Sec. 3(a)(5)(A), substituted

``as are recommended by the advisory council to the entity of the

Department supporting such projects or, in the case of mental health

projects, by the National Advisory Mental Health Council; and make, upon

recommendation of the advisory council to the appropriate entity of the

Department or the National Advisory Mental Health Council, grants-in-aid

to public or nonprofit universities, hospitals, laboratories, and other

institutions for the general support of their research'' for ``as are

recommended by the National Advisory Health Council, or, with respect to

cancer, recommended by the National Cancer Advisory Board, or, with

respect to mental health, recommended by the National Advisory Mental

Health Council, or with respect to heart, blood vessel, lung, and blood

diseases and blood resources, recommended by the National Heart, Lung,

and Blood Advisory Council, or, with respect to dental diseases and

conditions, recommended by the National Advisory Dental Research

Council; and include in the grants for any such project grants of

penicillin and other antibiotic compounds for use in such project; and

make, upon recommendation of the National Advisory Health Council,

grants-in-aid to public or nonprofit universities, hospitals,

laboratories, and other institutions for the general support of their

research: Provided, That such uniform percentage, not to exceed 15 per

centum, as the Secretary may determine, of the amounts provided for

grants for research projects for any fiscal year through the

appropriations for the National Institutes of Health may be transferred

from such appropriations to a separate account to be available for such

research grants-in-aid for such fiscal year''.

 Subsec. (a)(8). Pub. L. 99-158, Sec. 3(a)(5)(B), substituted

``recommendations of the advisory councils to the appropriate entities

of the Department or, with respect to mental health, the National

Advisory Mental Health Council, such additional means as the Secretary

considers'' for ``recommendation of the National Advisory Health

Council, or, with respect to cancer, upon recommendation of the National

Cancer Advisory Board, or, with respect to mental health, upon

recommendation of the National Advisory Mental Health Council, or, with

respect to heart, blood vessel, lung, and blood diseases and blood

resources, upon recommendation of the National Heart, Lung and Blood

Advisory Council, or, with respect to dental diseases and conditions,

upon recommendations of the National Advisory Dental Research Council,

such additional means as he deems''.

 1978--Pub. L. 95-622 designated existing provisions as subsec. (a),

redesignated former pars. (a) to (h) as (1) to (8), respectively,

substituted ``Secretary'' for ``Surgeon General'' wherever appearing,

and inserted following par. (8) provisions relating to authority of

Secretary to make available to individuals and entities substances and

living organisms, and added subsec. (b).

 1976--Subsecs. (c), (h). Pub. L. 94-278 substituted ``heart, blood

vessel, lung, and blood diseases and blood resources'' for ``heart

diseases'' and ``National Heart, Lung and Blood Advisory Council'' for

``National Heart and Lung Advisory Council''.

 1974--Subsec. (c). Pub. L. 93-348, Sec. 104(a)(1), redesignated

subsec. (d) as (c) and substituted ``research projects'' for ``research

or research training projects'' in two places, ``general support of

their research'' for ``general support of their research and research

training programs'' and ``research grants-in-aid'' for ``research and

research training program grants-in-aid''. Former subsec. (c),

authorizing Surgeon General to establish and maintain research

fellowships in the Public Health Service with such stipends and

allowances, including traveling and subsistence expenses, as he may deem

necessary to procure the assistance of the most brilliant and promising

research fellows from the United States and abroad, was struck out.

 Subsec. (d). Pub. L. 93-348, Sec. 104(a)(1)(C), redesignated subsec.

(e) as (d).

 Pub. L. 93-282 substituted ``mental health, including research on

the use and effect of alcohol and other psychoactive drugs'' for ``the

use and effect of drugs'' in former concluding provisions of section

242a(a) of this title. See 1988 Amendment note above.

 Subsecs. (e), (f). Pub. L. 93-348, Sec. 104(a)(1)(C), redesignated

subsecs. (f) and (g) as (e) and (f), respectively. Former subsec. (e)

redesignated (d).

 Subsec. (g). Pub. L. 93-352 struck out ``during the fiscal year

ending June 30, 1966, and each of the eight succeeding fiscal years''

after ``Enter into contracts''. Notwithstanding directory language that

amendment be made to subsec. (h), the amendment was executed to subsec.

(g) to reflect the probable intent of Congress and the intervening

redesignation of subsec. (h) as (g) by Pub. L. 93-348.

 Pub. L. 93-348, Sec. 104(a)(1)(C), redesignated subsec. (h) as (g).

Former subsec. (g) redesignated (f).

 Subsecs. (h), (i). Pub. L. 93-348, Sec. 104(a)(1)(C), redesignated

subsecs. (h) and (i) as (g) and (h), respectively.

 1972--Subsecs. (d), (i). Pub. L. 92-423 substituted ``National Heart

and Lung Advisory Council'' for ``National Advisory Heart Council''.

 1971--Subsecs. (d), (i). Pub. L. 92-218 substituted ``National

Cancer Advisory Board'' for ``National Advisory Cancer Council''.

 1970--Subsec. (d). Pub. L. 91-513 added subsec. (d). See 1988

Amendment note above.

 Subsec. (h). Pub. L. 91-515 substituted ``eight'' for ``five''

succeeding fiscal years.

 1967--Subsec. (h). Pub. L. 90-174 substituted ``five'' for ``two''

succeeding fiscal years.

 1965--Subsecs. (h), (i). Pub. L. 89-115 added subsec. (h) and

redesignated former subsec. (h) as (i).

 1962--Subsec. (d). Pub. L. 87-838 inserted ``or research training''

in two places.

 1960--Subsec. (d). Pub. L. 86-798 authorized the Surgeon General,

upon recommendation of the National Advisory Health Council, to make

grants to public or non-profit universities, hospitals, laboratories,

and other institutions to support research and research training

programs, and to make available for such research and research training

programs, up to 15 per centum of amounts provided for research grants

through the appropriations for the National Institutes of Health.

 1956--Subsecs. (g), (h). Act July 3, 1956, added subsec. (g) and

redesignated former subsec. (g) as (h).

 1948--Subsec. (d). Acts June 16, 1948, Sec. 4(e), and June 24, 1948,

Sec. 4(e), made provisions applicable to the National Advisory Heart

Council and the National Advisory Dental Research Council, respectively.

 Subsec. (d). Act June 25, 1948, continued in basic legislation the

authority to purchase penicillin and other antibiotic compounds for use

in research projects.

 Subsec. (g). Acts June 16, 1948, Sec. 4(f), and June 24, 1948,

Sec. 4(f), made provisions applicable to the National Advisory Heart

Council and the National Advisory Dental Research Council, respectively.

 1946--Subsec. (d). Act July 3, 1946, made the National Advisory

Mental Health Council the body to make recommendations to the Surgeon

General on awarding of grants-in-aid for research projects with respect

to mental health.

 Subsec. (g). Act July 3, 1946, gave National Advisory Health Council

the right to make recommendations to carry out purposes of this section.

 Change of Name

 ``Secretary of Health and Human Services'' substituted for

``Secretary of Health, Education, and Welfare'' in subsec. (a)(7), and

``Department of Health and Human Services'' substituted for ``Department

of Health, Education, and Welfare'' in subsec. (b)(1), (3), and

(4)(D)(I), (II), pursuant to section 509(b) of Pub. L. 96-88 which is

classified to section 3508(b) of Title 20, Education.

 Effective Date of 1978 Amendment

 Sections 261 and 262 of Pub. L. 95-622 provided that the amendments

made by those sections are effective Oct. 1, 1978.

 Effective Date of 1974 Amendment

 Section 104(b) of Pub. L. 93-348 provided that: ``The amendments

made by subsection (a) [amending this section and sections 242a, 282,

286a, 286b, 287a, 287b, 287d, 288a, 289c, 289c-1, 289g, 289k, and

heading preceding section 289l of this title] shall not apply with

respect to commitments made before the date of the enactment of this Act

[July 12, 1974] by the Secretary of Health, Education, and Welfare for

research training under the provisions of the Public Health Service Act

amended or repealed by subsection (a).''

 Effective Date of 1972 Amendment

 Amendment by Pub. L. 92-423 effective 60 days after Sept. 19, 1972,

or on such prior date after Sept. 19, 1972, as the President shall

prescribe and publish in the Federal Register, see section 9 of Pub. L.

92-423, set out as a note under section 218 of this title.

 Effective Date of 1971 Amendment

 Amendment by Pub. L. 92-218 effective 60 days after Dec. 23, 1971,

or on such prior date after Dec. 23, 1971, as the President shall

prescribe and publish in the Federal Register, see section 7 of Pub. L.

92-218, set out as a note under section 218 of this title.

 Coordination of Data Surveys and Reports

 Pub. L. 106-113, div. B, Sec. 1000(a)(6) [title VII, Sec. 703(e)],

Nov. 29, 1999, 113 Stat. 1536, 1501A-402, provided that: ``The Secretary

of Health and Human Services, through the Assistant Secretary for

Planning and Evaluation, shall establish a clearinghouse for the

consolidation and coordination of all Federal databases and reports

regarding children's health.''

 Female Genital Mutilation

 Pub. L. 104-134, title I, Sec. 101(d) [title V, Sec. 520], Apr. 26,

1996, 110 Stat. 1321-211, 1321-250; renumbered title I, Pub. L. 104-140,

Sec. 1(a), May 2, 1996, 110 Stat. 1327, provided that:

 ``(a) Congress finds that--

 ``(1) the practice of female genital mutilation is carried out

 by members of certain cultural and religious groups within the

 United States; and

 ``(2) the practice of female genital mutilation often results in

 the occurrence of physical and psychological health effects that

 harm the women involved.

 ``(b) The Secretary of Health and Human Services shall do the

following:

 ``(1) Compile data on the number of females living in the United

 States who have been subjected to female genital mutilation (whether

 in the United States or in their countries of origin), including a

 specification of the number of girls under the age of 18 who have

 been subjected to such mutilation.

 ``(2) Identify communities in the United States that practice

 female genital mutilation, and design and carry out outreach

 activities to educate individuals in the communities on the physical

 and psychological health effects of such practice. Such outreach

 activities shall be designed and implemented in collaboration with

 representatives of the ethnic groups practicing such mutilation and

 with representatives of organizations with expertise in preventing

 such practice.

 ``(3) Develop recommendations for the education of students of

 schools of medicine and osteopathic medicine regarding female

 genital mutilation and complications arising from such mutilation.

 Such recommendations shall be disseminated to such schools.

 ``(c) For purposes of this section the term `female genital

mutilation' means the removal or infibulation (or both) of the whole or

part of the clitoris, the labia minor, or the labia major.

 ``(d) The Secretary of Health and Human Services shall commence

carrying out this section not later than 90 days after the date of

enactment of this Act [Apr. 26, 1996].''

 Sentinel Disease Concept Study

 Section 1910 of Pub. L. 103-43 directed Secretary of Health and

Human Services, in cooperation with Agency for Toxic Substances and

Disease Registry and Centers for Disease Control and Prevention, to

design and implement a pilot sentinel disease surveillance system for

identifying relationship between occupation of household members and

incidence of subsequent conditions or diseases in other members of

household, and required Director of the National Institutes of Health to

prepare and submit to Congress, not later than 4 years after June 10,

1993, a report concerning this project.

 Study of Thyroid Morbidity for Hanford, Washington

 Section 161 of Pub. L. 100-607, as amended by Pub. L. 102-531, title

III, Sec. 312(e)(1), Oct. 27, 1992, 106 Stat. 3506, directed Secretary

of Health and Human Services, acting through Director of Centers for

Disease Control and Prevention, to conduct a study of thyroid morbidity

of the population, including Indian tribes and tribal organizations, in

vicinity of Hanford, in State of Washington, authorized Director to

contract out portions of study, and required Director, not later than 42

months after Nov. 4, 1988, to transmit a report, including such study,

to Congress, chief executive officers of States of Oregon and

Washington, and governing officials of Indian tribes in vicinity of

Hanford, Washington.

 National Commission on Sleep Disorders Research

 Section 162 of Pub. L. 100-607 directed Secretary of Health and

Human Services, after consultation with Director of National Institutes

of Health, to establish a National Commission on Sleep Disorders

Research to conduct a comprehensive study of present state of knowledge

of incidence, prevalence, morbidity, and mortality resulting from sleep

disorders, and of social and economic impact of such disorders, evaluate

public and private facilities and resources (including trained personnel

and research activities) available for diagnosis, prevention, and

treatment of, and research into, such disorders, and identify programs

(including biological, physiological, behavioral, environmental, and

social programs) by which improvement in management and research into

sleep disorders could be accomplished and, not later than 18 months

after initial meeting of Commission, to submit to appropriate Committees

of Congress a final report, and provided for termination of the

Commission 30 days after submission of final report.

 Research With Respect to Health Resources and Services Administration

 Section 632 of Pub. L. 100-607 provided that with respect to any

program of research pursuant to this chapter, any such program carried

out in fiscal year 1987 by an agency other than Health Resources and

Services Administration (or appropriate to be carried out by such an

agency) could not, for each of fiscal years 1989 through 1991, be

carried out by such Administration.

 Continuing Care for Psychiatric Patients in Former Clinical Research

 Center at National Institute on Drug Abuse

 Pub. L. 99-117, Sec. 10, Oct. 7, 1985, 99 Stat. 494, provided that:

``In any fiscal year beginning after September 30, 1981, from funds

appropriated for carrying out section 301 of the Public Health Service

Act [this section] with respect to mental health, the Secretary of

Health and Human Services may provide, by contract or otherwise, for the

continuing care of psychiatric patients who were under active and

continuous treatment at the National Institute on Drug Abuse Clinical

Research Center on the date such Clinical Research Center ceased

operations.''

 Analysis of Thyroid Cancer; Creation and Publication of

 Radioepidemiological Tables

 Pub. L. 97-414, Sec. 7, Jan. 4, 1983, 96 Stat. 2059, provided that:

 ``(a) In carrying out section 301 of the Public Health Service Act

[this section], the Secretary of Health and Human Services shall--

 ``(1) conduct scientific research and prepare analyses necessary

 to develop valid and credible assessments of the risks of thyroid

 cancer that are associated with thyroid doses of Iodine 131;

 ``(2) conduct scientific research and prepare analyses necessary

 to develop valid and credible methods to estimate the thyroid doses

 of Iodine 131 that are received by individuals from nuclear bomb

 fallout;

 ``(3) conduct scientific research and prepare analyses necessary

 to develop valid and credible assessments of the exposure to Iodine

 131 that the American people received from the Nevada atmospheric

 nuclear bomb tests; and

 ``(4) prepare and transmit to the Congress within one year after

 the date of enactment of this Act [Jan. 4, 1983] a report with

 respect to the activities conducted in carrying out paragraphs (1),

 (2), and (3).

 ``(b)(1) Within one year after the date of enactment of this Act

[Jan. 4, 1983], the Secretary of Health and Human Services shall devise

and publish radioepidemiological tables that estimate the likelihood

that persons who have or have had any of the radiation related cancers

and who have received specific doses prior to the onset of such disease

developed cancer as a result of these doses. These tables shall show a

probability of causation of developing each radiation related cancer

associated with receipt of doses ranging from 1 millirad to 1,000 rads

in terms of sex, age at time of exposure, time from exposure to the

onset of the cancer in question, and such other categories as the

Secretary, after consulting with appropriate scientific experts,

determines to be relevant. Each probability of causation shall be

calculated and displayed as a single percentage figure.

 ``(2) At the time the Secretary of Health and Human Services

publishes the tables pursuant to paragraph (1), such Secretary shall

also publish--

 ``(A) for the tables of each radiation related cancer, an

 evaluation which will assess the credibility, validity, and degree

 of certainty associated with such tables; and

 ``(B) a compilation of the formulas that yielded the

 probabilities of causation listed in such tables. Such formulas

 shall be published in such a manner and together with information

 necessary to determine the probability of causation of any

 individual who has or has had a radiation related cancer and has

 received any given dose.

 ``(3) The tables specified in paragraph (1) and the formulas

specified in paragraph (2) shall be devised from the best available data

that are most applicable to the United States, and shall be devised in

accordance with the best available scientific procedures and expertise.

The Secretary of Health and Human Services shall update these tables and

formulas every four years, or whenever he deems it necessary to insure

that they continue to represent the best available scientific data and

expertise.''

 Termination of Advisory Committees

 Pub. L. 93-641, Sec. 6, Jan. 4, 1975, 88 Stat. 2275, set out as a

note under section 217a of this title, provided that an advisory

committee established pursuant to the Public Health Service Act shall

terminate at such time as may be specifically prescribed by an Act of

Congress enacted after Jan. 4, 1975.