

Title 20: Employees' Benefits

[PART 410—FEDERAL COAL MINE HEALTH AND SAFETY ACT OF 1969, TITLE IV—BLACK LUNG BENEFITS \(1969—\)](#)

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Subpart D—Total Disability or Death Due to Pneumoconiosis

Authority: Sec. 702(a)(5) of the Social Security Act (42 U.S.C. 902(a)(5)), secs. 401-426, 83 Stat. 792, as amended, 86 Stat. 150; 30 U.S.C. 901 *et. seq.*

Source: 37 FR 20641, Sept. 30, 1972, unless otherwise noted.

§ 410.401 Scope of subpart D.

(a) *General.* This subpart establishes the standards for determining whether a coal miner is totally disabled due to pneumoconiosis, whether he was totally disabled due to pneumoconiosis at the time of his death, or whether his death was due to pneumoconiosis.

(b) *Pneumoconiosis defined.* *Pneumoconiosis* means:

(1) A chronic dust disease of the lung arising out of employment in the Nation's coal mines, and includes coal workers' pneumoconiosis, anthracosilicosis, anthracosis, anthrosilicosis, massive pulmonary fibrosis, progressive massive fibrosis, silicosis, or silicotuberculosis, arising out of such employment. For purposes of this subpart, the term also includes the following conditions that may be the basis for application of the statutory presumption of disability or death due to pneumoconiosis under the circumstances prescribed in section 411 (c) of the Act;

(2) Any other chronic respiratory or pulmonary impairment when the conditions are met for the application of the presumption described in §410.414(b) or §410.454(b), and

(3) Any respirable disease when the conditions are met for the application of the presumption described in §410.462. The provisions for determining that a miner is or was totally disabled due to pneumoconiosis or its sequelae are included in §§410.410 through 410.430 and in the appendix following this subpart D. The provisions for determining that a miner's death was due to pneumoconiosis are included in §§410.450 through 410.462. Certain related provisions of general application are included in §§410.470 through 410.476.

(c) *Relation to the Social Security Act.* Section 402(f) of the Act, as amended, 30 U.S.C. 902(f), provides that regulations defining total disability "shall not provide more restrictive criteria than those applicable under section 223(d) of the Social Security Act." Section 413(b) of the Act, 30 U.S.C. 923(b), also provides, in pertinent part, that in "carrying out the provisions of this part [that is, part B of title IV of the Act], the Commissioner shall to the maximum extent feasible (and consistent with the provisions of this part) utilize the * * * procedures he uses in determining entitlement to disability insurance benefits under section 223 of the Social Security Act * * *."

[37 FR 20641, Sept. 30, 1972, as amended at 62 FR 38453, July 18, 1997]

§ 410.410 Total disability due to pneumoconiosis, including statutory presumption.

(a) Benefits are provided under the Act to coal miners "who are totally disabled due to pneumoconiosis arising out of employment in one or more of the Nation's coal mines," and to the eligible survivors of miners who are determined to have been totally disabled due to pneumoconiosis at the time of their death. (For benefits to the eligible survivors of miners whose deaths are determined to have been due to pneumoconiosis, see §410.450.)

(b) To establish entitlement to benefits on the basis of a coal miner's total disability due to pneumoconiosis, a claimant must submit the evidence necessary to establish: (1) That he is a coal miner, that he is totally disabled due to pneumoconiosis, and that his pneumoconiosis arose out of employment in the Nation's coal mines; or (2) that the deceased individual was a miner, that he was totally disabled due to pneumoconiosis at the time of his death, and that his pneumoconiosis arose out of employment in the

Nation's coal mines.

(c) Total disability is defined in §410.412; the basic provision on determining the existence of pneumoconiosis is in §410.414; and the requirement that the pneumoconiosis must have arisen out of coal mine employment is in §410.416. The statutory presumptions with respect to the burden of proving the foregoing are in §§410.414(b), 410.416(a), and 410.418, and the provision for determining the existence of total disability when the presumption in §410.418 does not apply is included in §410.422.

§ 410.412 “Total disability” defined.

(a) A miner shall be considered totally disabled due to pneumoconiosis if:

(1) His pneumoconiosis prevents him from engaging in gainful work in the immediate area of his residence requiring the skills and abilities comparable to those of any work in a mine or mines in which he previously engaged with some regularity and over a substantial period of time (that is, “comparable and gainful work”; see §§410.424 through 410.426); and

(2) His impairment can be expected to result in death, or has lasted or can be expected to last for a continuous period of not less than 12 months.

(b) A miner shall be considered to have been totally disabled due to pneumoconiosis at the time of his death, if at the time of his death:

(1) His pneumoconiosis prevented him from engaging in gainful work in the immediate area of his residence requiring the skills and abilities comparable to those of any work in a mine or mines in which he previously engaged with some regularity and over a substantial period of time (that is, “comparable and gainful work”; see §§410.424 through 410.426); and

(2) His impairment was expected to result in death, or it lasted or was expected to last for a continuous period of not less than 12 months.

§ 410.414 Determining the existence of pneumoconiosis, including statutory presumption.

(a) *General.* A finding of the existence of pneumoconiosis as defined in §410.110(o)(1) may be made under the provisions of §410.428 by:

(1) Chest roentgenogram (X-ray); or

(2) Biopsy; or

(3) Autopsy.

(b) *Presumption relating to respiratory or pulmonary impairment.* (1) Even though the existence of pneumoconiosis is not established as provided in paragraph (a) of this section, if other evidence demonstrates the existence of a totally disabling chronic respiratory or pulmonary impairment (see §§410.412, 410.422, and 410.426), it may be presumed, in the absence of evidence to the contrary (see paragraph (b)(2) of this section), that a miner is totally disabled due to pneumoconiosis, or that a miner was totally disabled due to pneumoconiosis at the time of his death.

(2) This presumption may be rebutted only if it is established that the miner does not, or did not, have pneumoconiosis, or that his respiratory or pulmonary impairment did not arise out of, or in connection with, employment in a coal mine.

(3) The provisions of this paragraph shall apply where a miner was employed for 15 or more years in one or more of the Nation's underground coal mines; in one or more of the Nation's other coal mines where the environmental conditions were substantially similar to those in an underground coal mine; or in any combination of both.

(4) However, where the evidence shows a work history reflecting many years of such coal mine employment (although less than

15), as well as a severe lung impairment, such evidence may be considered, in the exercise of sound judgment, to establish entitlement in such case, provided that a mere showing of a respiratory or pulmonary impairment shall not be sufficient to establish such entitlement.

(c) *Other relevant evidence.* Even though the existence of pneumoconiosis is not established as provided in paragraph (a) or (b) of this section, a finding of total disability due to pneumoconiosis may be made if other relevant evidence establishes the existence of a totally disabling chronic respiratory or pulmonary impairment, and that such impairment arose out of employment in a coal mine. As used in this paragraph, the term *other relevant evidence* includes medical tests such as blood gas studies, electrocardiogram, pulmonary function studies, or physical performance tests, and any medical history, evidence submitted by the miner's physician, his spouse's affidavits, and in the case of a deceased miner, other appropriate affidavits of persons with knowledge of the individual's physical condition, and other supportive materials. In any event, no claim for benefits under part B of title IV of the Act shall be denied solely on the basis of a negative chest roentgenogram (X-ray).

§ 410.416 Determining origin of pneumoconiosis, including statutory presumption.

(a) If a miner was employed for 10 or more years in the Nation's coal mines, and is suffering or suffered from pneumoconiosis, it will be presumed, in the absence of persuasive evidence to the contrary, that the pneumoconiosis arose out of such employment.

(b) In any other case, a miner who is suffering or suffered from pneumoconiosis, must submit the evidence necessary to establish that the pneumoconiosis arose out of employment in the Nation's coal mines. (See §410.110 (h), (i), (j), (k), (l), and (m).)

§ 410.418 Irrebuttable presumption of total disability due to pneumoconiosis.

There is an irrebuttable presumption that a miner is totally disabled due to pneumoconiosis, or that a miner was totally disabled due to pneumoconiosis at the time of his death, if he is suffering or suffered from a chronic dust disease of the lung which:

(a) When diagnosed by chest roentgenogram (X-ray), yields one or more large opacities (greater than 1 centimeter in diameter) and would be classified in Category A, B, or C (that is, as *complicated pneumoconiosis*), in:

(1) The ILO-U/C International Classification of Radiographs of Pneumoconioses, 1971, or

(2) The International Classification of the Radiographs of the Pneumoconioses of the International Labour Office, Extended Classification (1968) (which may be referred to as the "ILO Classification (1968)"), or

(3) The Classification of the Pneumoconiosis of the Union Internationale Contra Cancer/Cincinnati (1968) (which may be referred to as the "UICC/Cincinnati (1968) Classification"); or

(b) When diagnosed by biopsy or autopsy, yields massive lesions in the lung. The report of biopsy or autopsy will be accepted as evidence of complicated pneumoconiosis if the histological findings show simple pneumoconiosis and progressive massive fibrosis; or

(c) When established by diagnoses by means other than those specified in paragraphs (a) and (b) of this section, would be a condition which could reasonably be expected to yield the results described in paragraph (a) or (b) of this section had diagnoses been made as therein prescribed; *Provided, however,* That any diagnoses made under this paragraph shall accord with generally accepted medical procedures for diagnosing pneumoconiosis.

§ 410.422 Determining total disability: General criteria.

(a) A determination of total disability due to pneumoconiosis is made in accordance with this section when a miner cannot be presumed to be totally disabled due to pneumoconiosis (or to have been totally disabled due to pneumoconiosis at the time of his death), under the provisions of §410.418. In addition, when a miner has (or had) a chronic respiratory or pulmonary impairment, a determination of whether or not such impairment is (or was) totally disabling is also made in accordance with this section for purposes of §410.414(b).

(b) A determination of total disability may not be made for purposes of this part unless pneumoconiosis is (or is presumed to be) the impairment involved.

(c) Whether or not the pneumoconiosis in a particular case renders (or rendered) a miner totally disabled, as defined in §410.412, is determined from all the facts of that case. Primary consideration is given to the medical severity of the individual's pneumoconiosis (see §410.424). Consideration is also given to such other factors as the individual's age, education, and work experience (see §410.426).

§ 410.424 Determining total disability: Medical criteria only.

(a) Medical considerations alone shall justify a finding that a miner is (or was) totally disabled where his impairment is one that meets (or met) the duration requirement in §410.412(a)(2) or §410.412(b)(2), and is listed in the appendix to this subpart, or if his impairment is medically the equivalent of a listed impairment. However, medical considerations alone shall not justify a finding that an individual is (or was) totally disabled if other evidence rebuts such a finding, e.g., the individual is (or was) engaged in comparable and gainful work (see §410.412).

(b) An individual's impairment shall be determined to be medically the equivalent of an impairment listed in the appendix to this subpart only if the medical findings with respect thereto are at least equivalent in severity and duration to the listed findings of the listed impairment. Any decision as to whether an individual's impairment is medically the equivalent of an impairment listed in the appendix to this subpart, shall be based on medically accepted clinical and laboratory diagnostic techniques, including a medical judgment furnished by one or more physicians designated by the Administration, relative to the question of medical equivalence.

§ 410.426 Determining total disability: Age, education, and work experience criteria.

(a) Pneumoconiosis which constitutes neither an impairment listed in the appendix to this subpart (see §410.424), nor the medical equivalent thereof, shall nevertheless be found totally disabling if because of the severity of such impairment, the miner is (or was) not only unable to do his previous coal mine work, but also cannot (or could not), considering his age, his education, and work experience, engage in any other kind of comparable and gainful work (see §410.412(a)(1)) available to him in the immediate area of his residence. A miner shall be determined to be under a disability only if his pneumoconiosis is (or was) the primary reason for his inability to engage in such comparable and gainful work. Medical impairments other than pneumoconiosis may not be considered.

The following criteria recognize that an impairment in the transfer of oxygen from the lung alveoli to cellular level can exist in an individual even though his chest roentgenogram (X-ray) or ventilatory function tests are normal.

(b) Subject to the limitations in paragraph (a) of this section, pneumoconiosis shall be found disabling if it is established that the miner has (or had) a respiratory impairment because of pneumoconiosis demonstrated on the basis of a ventilatory study in which the maximum voluntary ventilation (MVV) or maximum breathing capacity (MBC), and 1-second forced expiratory volume (FEV₁), are equal to or less than the values specified in the following table or by a medically equivalent test:

Height (inches)	MVV (MBC) equal to or less than L./ Min.	FEV1 equal to or less than I.
57 or less.....	52	1.4
58.....	53	1.4
59.....	54	1.4
60.....	55	1.5
61.....	56	1.5
62.....	57	1.5
63.....	58	1.5
64.....	59	1.6

65.....	60	1.6
66.....	61	1.6
67.....	62	1.7
68.....	63	1.7
69.....	64	1.8
70.....	65	1.8
71.....	66	1.8
72.....	67	1.9
73 or more.....	68	1.9

(c) Where the values specified in paragraph (b) of this section are not met, pneumoconiosis may nevertheless be found disabling if a physical performance test establishes a chronic respiratory or pulmonary impairment which is medically the equivalent of the values specified in the table in paragraph (b) of this section. Any decision with respect to such medical equivalence shall be based on medically accepted clinical and laboratory diagnostic techniques including a medical judgment furnished by one or more physicians designated by the Administration.

(d) Where a ventilatory study and/or a physical performance test is medically contraindicated, or cannot be obtained, or where evidence obtained as a result of such tests does not establish that the miner is totally disabled, pneumoconiosis may nevertheless be found totally disabling if other relevant evidence (see §410.414(c)) establishes that the miner has (or had) a chronic respiratory or pulmonary impairment, the severity of which prevents (or prevented) him not only from doing his previous coal mine work, but also, considering his age, his education, and work experience, prevents (or prevented) him from engaging in comparable and gainful work.

(e) When used in this section, the term *age* refers to chronological age and the extent to which it affects the miner's capacity to engage in comparable and gainful work.

(f) When used in this section, the term *education* is used in the following sense: Education and training are factors in determining the employment capacity of a miner. Lack of formal schooling, however, is not necessarily proof that a miner is an uneducated person. The kinds of responsibilities with which he was charged when working may indicate ability to do more than unskilled work even though his formal education has been limited.

§ 410.428 X-ray, biopsy, and autopsy evidence of pneumoconiosis.

(a) A finding of the existence of pneumoconiosis as defined in §410.110(o)(1) may be made under the provisions of §410.414(a) if:

(1) A chest roentgenogram (X-ray) establishes the existence of pneumoconiosis classified as Category 1, 2, 3, A, B, or C according to:

(i) The ILO-U/C International Classification of Radiographs of Pneumoconioses, 1971; or

(ii) The International Classification of Radiographs of the Pneumoconioses of the

International Labour Office, Extended Classification (1968); or

(iii) The Classification of the Pneumoconioses of the Union Internationale Contra Cancer/Cincinnati (1968).

A chest roentgenogram (X-ray) classified as Category Z under the ILO Classification (1958) or Short Form (1968) will be reclassified as Category 0 or Category 1 and only the latter accepted as evidence of pneumoconiosis. A chest roentgenogram (X-ray) classified under any of the foregoing classifications as Category 0, including subcategories o/–, o/o, or o/1 under the UICC/Cincinnati (1968) Classification, is not accepted as evidence of pneumoconiosis; or

(2) An autopsy shows the existence of pneumoconiosis, or

(3) A biopsy (other than a needle biopsy) shows the existence of pneumoconiosis. Such biopsy would not be expected to be performed for the sole purpose of diagnosing pneumoconiosis. Where a biopsy is performed for other purposes, however (e.g., in connection with a lung resection), the report thereof will be considered in determining the existence of pneumoconiosis.

(b) The roentgenogram shall be of suitable quality for proper classification of the pneumoconioses and conform to accepted medical standards. It should represent a posterior-anterior view of the chest, and such other views as the Administration may require, taken at a preferred distance of 6 feet (a minimum of 5 feet is required) between the focal point and the film on a 14 × 17 inch or 14 × 14 inch X-ray film. Additional films or views should be obtained, if necessary, to provide a suitable roentgenogram (X-ray) for proper classification purposes.

(c) A report of autopsy or biopsy shall include a detailed gross (macroscopic) and microscopic description of the lungs or visualized portion of a lung. If an operative procedure has been performed to obtain a portion of a lung, the evidence should include a copy of the operative note and the pathology report of the gross and microscopic examination of the surgical specimen. If any autopsy has been performed, the evidence should include a complete copy of the autopsy report.

§ 410.430 Ventilatory studies.

Spirometric tests to measure ventilatory function must be expressed in liters or liters per minute. The reported maximum voluntary ventilation (MVV) or maximum breathing capacity (MBC) and 1-second forced expiratory volume (FEV₁) should represent the largest of at least three attempts. The MVV or the MBC reported should represent the observed value and should not be calculated from FEV₁. The three appropriately labeled spirometric tracings, showing distance per second on the abscissa and the distance per liter on the ordinate, must be incorporated in the file. The paper speed to record the FEV₁ should be at least 20 millimeters (mm.) per second. The height of the individual must be recorded.

Studies should not be performed during or soon after an acute respiratory illness. If wheezing is present on auscultation of the chest, studies must be performed following administration of nebulized broncho-dilator unless use of the later is contraindicated. A statement shall be made as to the individual's ability to understand the directions, and cooperate in performing the tests. If the tests cannot be completed the reason for such failure should be explained.

§ 410.432 Cessation of disability.

(a) Where it has been determined that a miner is totally disabled under §410.412, such disability shall be found to have ceased in the month in which his impairment, as established by medical or other relevant evidence, is no longer of such severity as to prevent him from engaging in comparable and gainful work.

(b) Except where a finding is made as specified in paragraph (a) of this section which results in an earlier month of cessation, if a miner is requested to furnish necessary medical or other evidence or to present himself for a necessary medical examination by a date specified in the request or a date extended at the miner's request for good cause, and the miner fails to comply with such request, the disability may be found to have ceased in the month within which the date for compliance falls, unless the Administration determines that there is a good cause for such failure.

(c) Before a determination is made that a miner's disability has ceased, such miner shall be given notice and an opportunity to present evidence including that from medical sources of his own choosing and arguments and contention that his disability has not ceased.

§ 410.450 Death due to pneumoconiosis, including statutory presumption.

Benefits are provided under the Act to the eligible survivor of a coal miner who was entitled to benefits at the time of his death, or whose death is determined to have been due to pneumoconiosis. (For benefits to the eligible survivors of a miner who is determined to have been totally disabled due to pneumoconiosis at the time of his death, regardless of the cause of death, see §§410.410 through 410.430.) Except as otherwise provided in §§410.454 through 410.462, the claimant must submit the evidence necessary to establish that the miner's death was due to pneumoconiosis and that the pneumoconiosis arose out of employment in the Nation's coal mines.

§ 410.454 Determining the existence of pneumoconiosis, including statutory presumption—survivor's claim.

(a) *Medical findings.* A finding of the existence of pneumoconiosis as defined in §410.110(o)(1) may be made under the provisions of §410.428 by:

(1) Chest roentgenogram; or

(2) Biopsy; or

(3) Autopsy.

(b) *Presumption relating to respiratory or pulmonary impairment—survivor's claim.* (1) Even though the existence of pneumoconiosis is not established as provided in paragraph (a) of this section, if other evidence demonstrates the existence of a chronic respiratory or pulmonary impairment from which the miner was totally disabled (see §410.412) prior to his death, it will be presumed in the absence of evidence to the contrary (see paragraph (b) (2) of this section) that the death of the miner was due to pneumoconiosis.

(2) This presumption may be rebutted only if it is established that the miner did not have pneumoconiosis, or that his respiratory or pulmonary impairment did not arise out of, or in connection with, employment in a coal mine.

(3) The provisions of this paragraph shall apply where a miner was employed for 15 or more years in one or more of the Nation's underground coal mines; in one or more of the Nation's other coal mines where the environmental conditions were substantially similar to those in an underground coal mine; or in any combination of both.

(4) However, where the evidence shows a work history reflecting many years of such coal mine employment (although less than 15) as well as a severe lung impairment, such evidence may be considered, in the exercise of sound judgment, to establish entitlement in such case: *Provided*, That a mere showing of a respiratory or pulmonary impairment shall not be sufficient to establish such entitlement.

(c) *Other relevant evidence.* Even though the existence of pneumoconiosis is not established as provided in paragraph (a) or (b) of this section, a finding of death due to pneumoconiosis may be made if other relevant evidence establishes the existence of a totally disabling chronic respiratory or pulmonary impairment, and that such impairment arose out of employment in a coal mine. As used in this paragraph, the term *other relevant evidence* includes medical tests such as blood gas studies, electrocardiogram, pulmonary function studies, or physical performance tests, and any medical history, evidence submitted by the miner's physician, his spouse's affidavits, and in the case of a deceased miner, other appropriate affidavits of persons with knowledge of the individual's physical condition, and other supportive materials. In any event, no claim for benefits under part B of title IV of the Act shall be denied solely on the basis of a negative chest roentgenogram (X-ray).

§ 410.456 Determining origin of pneumoconiosis, including statutory presumption—survivor's claim.

(a) If a miner was employed for 10 years or more in the Nation's coal mines, and suffered from pneumoconiosis, it will be presumed, in the absence of persuasive evidence to the contrary, that the pneumoconiosis arose out of such employment.

(b) In any other case, the claimant must submit the evidence necessary to establish that the pneumoconiosis from which the deceased miner suffered, arose out of employment in the Nation's coal mines. (See §410.110 (h), (i), (j), (k), (l), and (m).)

§ 410.458 Irrebuttable presumption of death due to pneumoconiosis—survivor's claim.

There is an irrebuttable presumption that the death of a miner was due to pneumoconiosis if he suffered from a chronic dust disease of the lung which meets the requirements of §410.418.

§ 410.462 Presumption relating to respirable disease.

(a) Even though the existence of pneumoconiosis as defined in §410.110 (o)(1) is not established as provided in §410.454(a), if a deceased miner was employed for 10 years or more in the Nation's coal mines and died from a respirable disease, it will be presumed, in the absence of evidence to the contrary, that his death was due to pneumoconiosis arising out of employment in a coal mine.

(b) Death will be found due to a respirable disease when death is medically ascribed to a chronic dust disease, or to another chronic disease of the lung. Death will not be found due to a respirable disease where the disease reported does not suggest a reasonable possibility that death was due to pneumoconiosis. Where the evidence establishes that a deceased miner suffered from pneumoconiosis or a respirable disease and death may have been due to multiple causes, death will be found due to pneumoconiosis if it is not medically feasible to distinguish which disease caused death or specifically how much each disease contributed to causing death.

§ 410.470 Determination by nongovernmental organization or other governmental agency.

The decision of any nongovernmental organization or any other governmental agency that an individual is, or is not, disabled for purposes of any contract, schedule, regulation, or law, or that his death was or was not due to a particular cause, shall not be determinative of the question of whether or not an individual is totally disabled due to pneumoconiosis, or was totally disabled due to pneumoconiosis. As used in this section, the term *other governmental agency* includes the Administration with respect to a determination or decision relating to entitlement to disability insurance benefits under section 223 of the Social Security Act, since the requirements for entitlement under the latter Act differ from those relating to benefits under this part. However, a final determination or decision that an individual is disabled for purposes of section 223 of the Social Security Act where the cause of such disability is pneumoconiosis, shall be binding on the Administration on the issue of disability with respect to claims under this part.

§ 410.471 Conclusion by physician regarding miner's disability or death.

The function of deciding whether or not an individual is totally disabled due to

pneumoconiosis, or was totally disabled due to pneumoconiosis at the time of his death, or that his death was due to pneumoconiosis, is the responsibility of the Administration. A statement by a physician that an individual is, or is not, *disabled, permanently disabled, totally disabled, totally and permanently disabled, unable to work*, or a statement of similar import, being a conclusion upon the ultimate issue to be decided by the Administration, shall not be determinative of the question of whether or not an individual is under a disability. However, all statements and other evidence (including statements of the miner's physician) shall be considered in adjudicating a claim. In considering statements of the miner's physician, appropriate account shall be taken of the length of time he treated the miner.

§ 410.472 Consultative examinations.

Upon reasonable notice of the time and place thereof, any individual filing a claim alleging to be totally disabled due to pneumoconiosis shall present himself for and submit to reasonable physical examinations or tests, at the expense of the Administration, by a physician or other professional or technical source designated by the Administration or the State agency authorized to make determinations as to disability. If any such individual fails or refuses to present himself for any examination or test, such failure or refusal, unless the Administration determines that there is good cause therefor, may be a basis for determining that such individual is not totally disabled. Religious or personal scruples against medical examination or test shall not excuse an individual from presenting himself for a medical examination or test. Any claimant may request that such test be performed by a physician or other professional or technical source of his choice, the reasonable expense of which shall be borne by the Administration (see §410.240(h)). However, granting such request does not preclude the Administration from requiring that additional or supplemental tests be conducted by a physician or other professional or technical source designated by the Administration.

§ 410.473 Evidence of continuation of disability.

An individual who has been determined to be totally disabled due to pneumoconiosis, upon reasonable notice, shall, if requested to do so (e.g., where there is an issue about the validity of the original adjudication of disability) present himself for and submit to examinations or tests as provided in §410.472, and shall submit medical reports and other evidence necessary for the purposes of determining whether such individual continues to be under a disability.

§ 410.474 Place and manner of submitting evidence.

Evidence in support of a claim for benefits based on disability shall be filed in the manner and at the place or places prescribed in subpart B of this part, or where appropriate, at the office of a State agency authorized under agreement with the Commissioner to make determinations as to disability under title II of the Social Security Act, or with an employee of such State agency authorized to accept such evidence at a place other than such office.

[37 FR 20641, Sept. 30, 1972, as amended at 62 FR 38453, July 18, 1997]

§ 410.475 Failure to submit evidence.

An individual shall not be determined to be totally disabled unless he furnishes such medical and other evidence thereof as is reasonably required to establish his claim. Religious or personal scruples against medical examinations, tests, or treatment shall not excuse an individual from submitting evidence of disability.

§ 410.476 Responsibility to give notice of event which may affect a change in disability status.

An individual who is determined to be totally disabled due to pneumoconiosis shall notify the Administration promptly if:

- (a) His respiratory or pulmonary condition improves; or
- (b) He engages in any gainful work or there is an increase in the amount of such work or his earnings therefrom.

§ 410.490 Interim adjudicatory rules for certain part B claims filed by a miner before July 1, 1973, or by a survivor where the miner died before January 1, 1974.

(a) *Basis for rules.* In enacting the Black Lung Act of 1972, the Congress noted that adjudication of the large backlog of claims generated by the earlier law could not await the establishment of facilities and development of medical tests not presently available to evaluate disability due to pneumoconiosis, and that such claims must be handled under present circumstances in the light of limited medical resources and techniques. Accordingly, the Congress stated its expectancy that the Commissioner would adopt such interim evidentiary rules and disability evaluation criteria as would permit prompt and vigorous processing of the large backlog of claims consistent with the language and intent of the 1972 amendments and that such rules and criteria would give full consideration to the combined employment handicap of disease and age and provide for the adjudication of claims on the basis of medical evidence other than physical performance tests when it is not feasible to provide such tests. The provisions of this section establish such interim evidentiary rules and criteria. They take full account of the congressional expectation that in many instances it is not feasible to require extensive pulmonary function testing to measure the total extent of an individual's breathing impairment, and that an impairment in the transfer of oxygen from the lung alveoli to cellular level can exist in an individual even though his chest roentgenogram (X-ray) or ventilatory function tests are normal.

(b) *Interim presumption.* With respect to a miner who files a claim for benefits before July 1, 1973, and with respect to a survivor of a miner who dies before January 1, 1974, when such survivor timely files a claim for benefits, such miner will be presumed to be totally disabled due to pneumoconiosis, or to have been totally disabled due to pneumoconiosis at the time of his death, or his death will be presumed to be due to pneumoconiosis, as the

case may be, if:

(1) One of the following medical requirements is met:

(i) A chest roentgenogram (X-ray), biopsy, or autopsy establishes the existence of pneumoconiosis (see §410.428); or

(ii) In the case of a miner employed for at least 15 years in underground or comparable coal mine employment, ventilatory studies establish the presence of a chronic respiratory or pulmonary disease (which meets the requirements for duration in §410.412(a)(2)) as demonstrated by values which are equal to or less than the values specified in the following table:

	Equal to or less than_	
	FEV1	MVV
67[inch] or less.....	2.3	92
68[inch].....	2.4	96
69[inch].....	2.4	96
70[inch].....	2.5	100
71[inch].....	2.6	104
72[inch].....	2.6	104
73[inch] or more.....	2.7	108

(2) The impairment established in accordance with paragraph (b)(1) of this section arose out of coal mine employment (see §§410.416 and 410.456).

(3) With respect to a miner who meets the medical requirements in paragraph (b)(1)(ii) of this section, he will be presumed to be totally disabled due to pneumoconiosis arising out of coal mine employment, or to have been totally disabled at the time of his death due to pneumoconiosis arising out of such employment, or his death will be presumed to be due to pneumoconiosis arising out of such employment, as the case may be, if he has at least 10 years of the requisite coal mine employment.

(c) *Rebuttal of presumption.* The presumption in paragraph (b) of this section may be rebutted if:

(1) There is evidence that the individual is, in fact, doing his usual coal mine work or comparable and gainful work (see §410.412(a)(1)), or

(2) Other evidence, including physical performance tests (where such tests are available and their administration is not contraindicated), establish that the individual is able to do his

usual coal mine work or comparable and gainful work (see §410.412(a)(1)).

(d) *Application of presumption on readjudication.* Any claim initially adjudicated under the rules in this section will, if the claim is for any reason thereafter readjudicated, be readjudicated under the same rules.

(e) *Failure of miner to qualify under presumption in paragraph (b) of this section.* Where it is not established on the basis of the presumption in paragraph (b) of this section that a miner is (or was) totally disabled due to pneumoconiosis, or was totally disabled due to pneumoconiosis at the time of his death, or that his death was due to pneumoconiosis, the claimant may nevertheless establish the requisite disability or cause of death of the miner under the rules set out in §§410.412 to 410.462.

[37 FR 20641, Sept. 30, 1972, as amended at 62 FR 38453, July 18, 1997]

Appendix to Subpart D of Part 410

A miner with pneumoconiosis who meets or met one of the following sets of medical specifications, may be found to be totally disabled due to pneumoconiosis at the pertinent time, in the absence of evidence rebutting such finding:

(1) Arterial oxygen tension at rest (sitting or standing) or during exercise and simultaneously determined arterial PCO₂ equal to, or less than, the values specified in the following table:

Arterial PCO ₂ (mm. Hg)	Arterial P02 equal to or less than (mm. Hg)
30 or below.....	65
31.....	64
32.....	63
33.....	62
34.....	61
35.....	60
36.....	59
37.....	58
38.....	57
39.....	56
40 or above.....	55

or

(2) Cor pulmonale with right-sided congestive failure as evidenced by peripheral edema and liver enlargement, with:

(A) Right ventricular enlargement or outflow tract prominence on X-ray or fluoroscopy; or

(B) ECG showing QRS duration less than 0.12 second and R of 5 mm. or more in V_1 and R/S of 1.0 or more in V_1 and transition zone (decreasing R/S) left of V_1 ;

or

(3) Congestive heart failure with signs of vascular congestion such as hepatomegaly or peripheral or pulmonary edema, with:

(A) Cardio-thoracic ratio of 55 percent or greater, or equivalent enlargement of the transverse diameter of the heart, as shown on teleroentgenogram (6-foot film); or

(B) Extension of the cardiac shadow (left ventricle) to the vertebral column on lateral chest roentgenogram and total of S in V_1 or V_2 and R in V_5 or V_6 of 35 mm. or more on ECG.

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