

comments to the regional office of jurisdiction for use in adjudication of the claim.

(e) *Factors for consideration.* Factors to be considered in determining whether a veteran's disease resulted from exposure to ionizing radiation in service include:

(1) The probable dose, in terms of dose type, rate and duration as a factor in inducing the disease, taking into account any known limitations in the dosimetry devices employed in its measurement or the methodologies employed in its estimation;

(2) The relative sensitivity of the involved tissue to induction, by ionizing radiation, of the specific pathology;

(3) The veteran's gender and pertinent family history;

(4) The veteran's age at time of exposure;

(5) The time-lapse between exposure and onset of the disease; and

(6) The extent to which exposure to radiation, or other carcinogens, outside of service may have contributed to development of the disease.

(f) *Adjudication of claim.* The determination of service connection will be made under the generally applicable provisions of this part, giving due consideration to all evidence of record, including any opinion provided by the Under Secretary for Health or an outside consultant, and to the evaluations published pursuant to §1.17 of this title. With regard to any issue material to consideration of a claim, the provisions of §3.102 of this title apply.

(g) *Willful misconduct and supervening cause.* In no case will service connection be established if the disease is due to the veteran's own willful misconduct, or if there is affirmative evidence to establish that a supervening, nonservice-related condition or event is more likely the cause of the disease.

(Authority: Pub. L. 98-542)

[50 FR 34459, Aug. 26, 1985, as amended at 54 FR 42803, Oct. 18, 1989; 58 FR 16359, Mar. 26, 1993. Redesignated at 59 FR 5107, Feb. 3, 1994, and amended at 59 FR 45975, Sept. 6, 1994; 60 FR 9628, Feb. 21, 1995; 60 FR 53277, Oct. 13, 1995; 63 FR 50994, Sept. 24, 1998; 67 FR 6871, Feb. 14, 2002]

§3.312 Cause of death.

(a) *General.* The death of a veteran will be considered as having been due to a service-connected disability when the evidence establishes that such disability was either the principal or a contributory cause of death. The issue involved will be determined by exercise of sound judgment, without recourse to speculation, after a careful analysis has been made of all the facts and circumstances surrounding the death of the veteran, including, particularly, autopsy reports.

(b) *Principal cause of death.* The service-connected disability will be considered as the principal (primary) cause of death when such disability, singly or jointly with some other condition, was the immediate or underlying cause of death or was etiologically related thereto.

(c) *Contributory cause of death.* (1) Contributory cause of death is inherently one not related to the principal cause. In determining whether the service-connected disability contributed to death, it must be shown that it contributed substantially or materially; that it combined to cause death; that it aided or lent assistance to the production of death. It is not sufficient to show that it casually shared in producing death, but rather it must be shown that there was a causal connection.

(2) Generally, minor service-connected disabilities, particularly those of a static nature or not materially affecting a vital organ, would not be held to have contributed to death primarily due to unrelated disability. In the same category there would be included service-connected disease or injuries of any evaluation (even though evaluated as 100 percent disabling) but of a quiescent or static nature involving muscular or skeletal functions and not materially affecting other vital body functions.

(3) Service-connected diseases or injuries involving active processes affecting vital organs should receive careful consideration as a contributory cause of death, the primary cause being unrelated, from the viewpoint of whether there were resulting debilitating effects and general impairment of health

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to an extent that would render the person materially less capable of resisting the effects of other disease or injury primarily causing death. Where the service-connected condition affects vital organs as distinguished from muscular or skeletal functions and is evaluated as 100 percent disabling, debilitation may be assumed.

(4) There are primary causes of death which by their very nature are so overwhelming that eventual death can be anticipated irrespective of coexisting conditions, but, even in such cases, there is for consideration whether there may be a reasonable basis for holding that a service-connected condition was of such severity as to have a material influence in accelerating death. In this situation, however, it would not generally be reasonable to hold that a service-connected condition accelerated death unless such condition affected a vital organ and was of itself of a progressive or debilitating nature.

CROSS REFERENCES: Reasonable doubt. See § 3.102. Service connection for mental unsoundness in suicide. See § 3.302.

[26 FR 1582, Feb. 24, 1961, as amended at 54 FR 34981, Aug. 23, 1989; 54 FR 42803, Oct. 18, 1989]

§ 3.313 Claims based on service in Vietnam.

(a) *Service in Vietnam.* Service in Vietnam includes service in the waters offshore, or service in other locations if the conditions of service involved duty or visitation in Vietnam.

(b) *Service connection based on service in Vietnam.* Service in Vietnam during the Vietnam Era together with the development of non-Hodgkin's lymphoma manifested subsequent to such service is sufficient to establish service connection for that disease.

(Authority: 38 U.S.C. 501)

[55 FR 43124, Oct. 26, 1990]

§ 3.314 Basic pension determinations.

(a) *Prior to the Mexican border period.* While pensions are granted based on certain service prior to the Mexican border period, the only rating factors in claims therefor are:

(1) Claims based on service of less than 90 days in the Spanish-American

War require a rating determination as to whether the veteran was discharged or released from service for a service-connected disability or had at the time of separation from service a service-connected disability, shown by official service records, which in medical judgment would have warranted a discharge for disability. Eligibility in such cases requires a finding that the disability was incurred in or aggravated by service in line of duty without benefit of presumptive provisions of law or Department of Veterans Affairs regulations.

(Authority: 38 U.S.C. 1512)

(2) Veterans entitled to pension on the basis of service in the Spanish-American War may be entitled to an increased rate of pension if rated as being in need of regular aid and attendance. Veterans who have elected pension under Pub. L. 86-211 (73 Stat. 432) who are not rated as being in need of regular aid and attendance may be entitled to increased pension based on 100 percent permanent disability together with independent disability of 60 percent or more or by reason of being permanently housebound as provided in § 3.351 (d).

(Authority: 38 U.S.C. 1502 (b), (c), 512)

(b) *Mexican border period and later war periods.* Non-service-connected disability and death pension may be paid based on service in the Mexican border period, World War I, World War II, the Korean conflict and the Vietnam era. Rating determinations in such claims will be required in the following situations:

(1) Claims based on service of less than 90 days may require a determination as to whether the veteran was discharged or released from service for a service-connected disability or had at the time of separation from service a service-connected disability, shown by official service records, which in medical judgment would have warranted a discharge for disability. Eligibility in such cases requires a finding that the disability was incurred in or aggravated by service in line of duty without benefit of presumptive provisions of law or Department of Veterans Affairs regulations (38 U.S.C. 1521(g)(2)) unless,