



Australian Government
Repatriation Medical Authority

Statement of Principles
concerning

HODGKIN'S LYMPHOMA

No. 35 of 2014

for the purposes of the

Veterans' Entitlements Act 1986
and

Military Rehabilitation and Compensation Act 2004

Title

1. This Instrument may be cited as Statement of Principles concerning Hodgkin's lymphoma No. 35 of 2014.

Determination

2. The Repatriation Medical Authority under subsection **196B(2)** and **(8)** of the *Veterans' Entitlements Act 1986* (the VEA):
 - (a) revokes Instrument No. 28 of 2004 concerning Hodgkin's lymphoma; and
 - (b) determines in its place this Statement of Principles.

Kind of injury, disease or death

3.
 - (a) This Statement of Principles is about **Hodgkin's lymphoma** and **death from Hodgkin's lymphoma**.
 - (b) For the purposes of this Statement of Principles, "**Hodgkin's lymphoma**" means a monoclonal lymphoid neoplasm derived from B lymphocytes and characterised by the presence of mononuclear Hodgkin cells and multinucleated Reed-Sternberg cells in the classical variant, or by lymphocytic and histiocytic Reed-Sternberg cell variants in the nodular lymphocyte predominant variant. Hodgkin's lymphoma is also known as Hodgkin's disease or Hodgkin lymphoma.
 - (c) Hodgkin's lymphoma attracts ICD-10-AM code C81.

- (d) In the application of this Statement of Principles, the definition of "**Hodgkin's lymphoma**" is that given at paragraph 3(b) above.

Basis for determining the factors

4. The Repatriation Medical Authority is of the view that there is sound medical-scientific evidence that indicates that **Hodgkin's lymphoma** and **death from Hodgkin's lymphoma** can be related to relevant service rendered by veterans, members of Peacekeeping Forces, or members of the Forces under the VEA, or members under the *Military Rehabilitation and Compensation Act 2004* (the MRCA).

Factors that must be related to service

5. Subject to clause 7, at least one of the factors set out in clause 6 must be related to the relevant service rendered by the person.

Factors

6. The factor that must as a minimum exist before it can be said that a reasonable hypothesis has been raised connecting **Hodgkin's lymphoma** or **death from Hodgkin's lymphoma** with the circumstances of a person's relevant service is:
- (a) being infected with human immunodeficiency virus before the clinical onset of Hodgkin's lymphoma; or
 - (b) being infected with Epstein-Barr virus before the clinical onset of Hodgkin's lymphoma; or
 - (c) smoking at least ten pack-years of cigarettes, or the equivalent thereof in other tobacco products, before the clinical onset of Hodgkin's lymphoma, and
 - (i) smoking commenced at least five years before the clinical onset of Hodgkin's lymphoma; and
 - (ii) where smoking has ceased, the clinical onset of Hodgkin's lymphoma has occurred within 15 years of cessation; or
 - (d) having an autoimmune disease from the specified list before the clinical onset of Hodgkin's lymphoma; or
 - (e) undergoing stem cell, bone marrow or solid organ transplantation before the clinical onset of Hodgkin's lymphoma; or
 - (f) for Richter's syndrome only, having chronic lymphocytic leukaemia/small lymphocytic lymphoma at the time of the clinical onset of Hodgkin's lymphoma; or
 - (g) being obese for a continuous period of at least five years within the 20 years before the clinical onset of Hodgkin's lymphoma; or
 - (h) inhaling, ingesting or having cutaneous contact with a chemical agent contaminated by 2,3,7,8-tetrachlorodibenzo-para-dioxin (TCDD),
 - (i) for a cumulative period of at least 1 000 hours, within a consecutive period of ten years, before the clinical onset of Hodgkin's lymphoma; and

- (ii) where the first exposure occurred at least five years before the clinical onset of Hodgkin's lymphoma; or
- (i) being:
 - (i) on land in Vietnam; or
 - (ii) at sea in Vietnamese waters; or
 - (iii) on board a vessel and consuming potable water supplied on that vessel, when the water supply had been produced by evaporative distillation of estuarine Vietnamese waters, for a cumulative period of at least 30 days, at least five years before the clinical onset of Hodgkin's lymphoma; or
- (j) inhaling, ingesting or having cutaneous contact with an organophosphate insecticide,
 - (i) for a cumulative period of at least 2 500 hours, within a consecutive period of ten years, before the clinical onset of Hodgkin's lymphoma; and
 - (ii) where the first exposure occurred at least five years before the clinical onset of Hodgkin's lymphoma; or
- (k) undergoing treatment with a tumour necrosis factor-alpha antagonist, methotrexate or azathioprine,
 - (i) for a continuous period of at least three months before the clinical onset of Hodgkin's lymphoma; and
 - (ii) where that exposure has ceased, the clinical onset of Hodgkin's lymphoma occurred within ten years of cessation; or
- (l) inability to obtain appropriate clinical management for Hodgkin's lymphoma.

Factors that apply only to material contribution or aggravation

7. Paragraph 6(l) applies only to material contribution to, or aggravation of, Hodgkin's lymphoma where the person's Hodgkin's lymphoma was suffered or contracted before or during (but not arising out of) the person's relevant service.

Inclusion of Statements of Principles

8. In this Statement of Principles if a relevant factor applies and that factor includes an injury or disease in respect of which there is a Statement of Principles then the factors in that last mentioned Statement of Principles apply in accordance with the terms of that Statement of Principles as in force from time to time.

Other definitions

9. For the purposes of this Statement of Principles:

"an autoimmune disease from the specified list" means:

- (a) autoimmune haemolytic anaemia;
- (b) coeliac disease;
- (c) dermatomyositis;
- (d) immune thrombocytopaenic purpura;
- (e) polymyalgia rheumatica;
- (f) polymyositis;
- (g) primary biliary cirrhosis;
- (h) rheumatoid arthritis;
- (i) sarcoidosis;
- (j) Sjogren's syndrome;
- (k) systemic lupus erythematosus; or
- (l) Wegener's granulomatosis;

"being infected with Epstein-Barr virus" means serological evidence of infection with Epstein-Barr virus;

"being:

- (i) **on land in Vietnam; or**
- (ii) **at sea in Vietnamese waters;"** means service in at least one of the areas and at the times described in Items 4 and 8 of Schedule 2 of the VEA;

"being obese" means an increase in body weight by way of fat accumulation which results in a Body Mass Index (BMI) of 30 or greater.

The $BMI = W/H^2$ and where:

W is the person's weight in kilograms; and

H is the person's height in metres;

"death from Hodgkin's lymphoma" in relation to a person includes death from a terminal event or condition that was contributed to by the person's Hodgkin's lymphoma;

"estuarine Vietnamese waters" means at least one of the waterways or harbours in the relevant areas described in Items 4 and 8 of Schedule 2 of the VEA;

"ICD-10-AM code" means a number assigned to a particular kind of injury or disease in The International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification (ICD-10-AM), Eighth Edition, effective date of 1 July 2013, copyrighted by the Independent Hospital Pricing Authority, and having ISBN 978-1-74128-213-9;

"inhaling, ingesting or having cutaneous contact with a chemical agent contaminated by 2,3,7,8-tetrachlorodibenzo-para-dioxin (TCDD)" means:

- (a) decanting or spraying;
- (b) cleaning or maintaining equipment used to apply;
- (c) being sprayed with;
- (d) handling or sawing timber treated with;

- (e) being in an environment shrouded in dust from timber treated with; or
- (f) using cutting oils contaminated with;

one of the following chemicals:

- (i) 2,4,5-trichlorophenoxyacetic acid;
- (ii) 2,4,5-trichlorophenoxypropionic acid;
- (iii) 2,4,5-trichlorophenol;
- (iv) 2-(2,4,5-trichlorophenoxy)-ethyl 2,2-dichloropropionate;
- (v) o,o-dimethyl-o-(2,4,5-trichlorophenyl)-phosphorothioate;
- (vi) pentachlorophenol;
- (vii) 2,3,4,6-tetrachlorophenol;
- (viii) 2,4,6-trichlorophenol;
- (ix) 1,3,4-trichloro-2-(4-nitrophenoxy)benzene;
- (x) 2,4-dichloro-1-(4-nitrophenoxy)benzene; or
- (xi) 2,4-dichloro-1-(3-methoxy-4-nitrophenoxy)-benzene;

"pack-years of cigarettes, or the equivalent thereof in other tobacco products" means a calculation of consumption where one pack-year of cigarettes equals twenty tailor-made cigarettes per day for a period of one calendar year, or 7 300 cigarettes. One tailor-made cigarette approximates one gram of tobacco or one gram of cigar or pipe tobacco by weight. One pack-year of tailor-made cigarettes equates to 7.3 kilograms of smoking tobacco by weight. Tobacco products mean cigarettes, pipe tobacco or cigars, smoked alone or in any combination;

"potable water" means water used for drinking water, food preparation and beverage production;

"relevant service" means:

- (a) operational service under the VEA;
- (b) peacekeeping service under the VEA;
- (c) hazardous service under the VEA;
- (d) British nuclear test defence service under the VEA;
- (e) warlike service under the MRCA; or
- (f) non-warlike service under the MRCA;

"Richter's syndrome" means a form of high-grade large cell lymphoma, characterised by systemic symptoms, rapid tumour growth and extra-nodal involvement, which develops in patients with chronic lymphocytic leukaemia;

"terminal event" means the proximate or ultimate cause of death and includes:

- (a) pneumonia;
- (b) respiratory failure;
- (c) cardiac arrest;
- (d) circulatory failure; or
- (e) cessation of brain function.

Application

- 10.** This Instrument applies to all matters to which section 120A of the VEA or section 338 of the MRCA applies.

Date of effect

11. This Instrument takes effect from 7 May 2014.

Dated this **twenty-fourth** day of **April** 2014

The Common Seal of the)
Repatriation Medical Authority)
was affixed to this instrument)
in the presence of:)

PROFESSOR NICHOLAS SAUNDERS AO
CHAIRPERSON