



Statement of Principles concerning osteoarthritis (Reasonable Hypothesis) (No. 61 of 2017)

made under subsection 196B(2) of the

Veterans' Entitlements Act 1986

Compilation No. 1

Compilation date: 22 July 2019

Includes amendments up to: Amendment Statement of Principles concerning
osteoarthritis (Reasonable Hypothesis) (No. 73
of 2019) (F2019L00958)

The day of commencement of this Amendment Statement of Principles concerning
osteoarthritis is 22 July 2019.

Prepared by the Repatriation Medical Authority Secretariat, Brisbane

About this compilation

This compilation

This is a compilation of the *Statement of Principles concerning osteoarthritis (Reasonable Hypothesis) (No. 61 of 2017)* that shows the text of the law as amended and in force on 22 July 2019.

The notes at the end of this compilation (the *endnotes*) include information about amending laws and the amendment history of provisions of the compiled law.

Uncommenced amendments

The effect of uncommenced amendments is not shown in the text of the compiled law. Any uncommenced amendments affecting the law are accessible on the Legislation Register (www.legislation.gov.au). The details of amendments made up to, but not commenced at, the compilation date are underlined in the endnotes. For more information on any uncommenced amendments, see the series page on the Legislation Register for the compiled law.

Application, saving and transitional provisions for provisions and amendments

If the operation of a provision or amendment of the compiled law is affected by an application, saving or transitional provision that is not included in this compilation, details are included in the endnotes.

Modifications

If the compiled law is modified by another law, the compiled law operates as modified but the modification does not amend the text of the law. Accordingly, this compilation does not show the text of the compiled law as modified. For more information on any modifications, see the series page on the Legislation Register for the compiled law.

Self-repealing provisions

If a provision of the compiled law has been repealed in accordance with a provision of the law, details are included in the endnotes.



Australian Government
Repatriation Medical Authority

Statement of Principles concerning OSTEOARTHRITIS (Reasonable Hypothesis) (No. 61 of 2017)

The Repatriation Medical Authority determines the following Statement of Principles under subsection 196B(2) of the *Veterans' Entitlements Act 1986*.

Dated 3 November 2017

*Statement of Principles concerning
Osteoarthritis (Reasonable Hypothesis) (No. 61 of 2017)
Veterans' Entitlements Act 1986*

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1 Name

This is the Statement of Principles concerning *osteoarthritis (Reasonable Hypothesis)* (No. 61 of 2017).

2 Commencement

This instrument commences on 4 December 2017.

3 Authority

This instrument is made under subsection 196B(2) of the *Veterans' Entitlements Act 1986*.

4 Revocation

The Statement of Principles concerning osteoarthritis No. 13 of 2010, as amended, made under subsections 196B(2) and (8) of the VEA is revoked.

5 Application

This instrument applies to a claim to which section 120A of the VEA or section 338 of the *Military Rehabilitation and Compensation Act 2004* applies.

6 Definitions

The terms defined in the Schedule 1 - Dictionary have the meaning given when used in this instrument.

7 Kind of injury, disease or death to which this Statement of Principles relates

- (1) This Statement of Principles is about osteoarthritis and death from osteoarthritis.

*Meaning of **osteoarthritis***

- (2) For the purposes of this Statement of Principles, osteoarthritis:
- (a) means a degenerative joint disorder with:
 - (i) clinical manifestations of pain, impaired function and stiffness; and
 - (ii) osteophytes or loss of articular cartilage; and
 - (b) excludes acute articular cartilage tear and osteochondritis dissecans.

Note 1: Other commonly associated features are sclerosis of the underlying bone, inflammation of the synovium and, for osteoarthritis in the knee, degenerative tears of the menisci and, for osteoarthritis in the hip or shoulder, degenerative tears of the labrum.

Note 2: The osteophytes or loss of articular cartilage may be assessed by radiological, other imaging or arthroscopic investigations.

- (3) While osteoarthritis attracts ICD-10-AM code M15, M16, M17, M18 or M19, in applying this Statement of Principles the meaning of osteoarthritis is that given in subsection (2).
- (4) For subsection (3), a reference to an ICD-10-AM code is a reference to the code assigned to a particular kind of injury or disease in *The International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification* (ICD-10-AM), Tenth Edition, effective date of 1 July 2017, copyrighted by the Independent Hospital Pricing Authority, ISBN 978-1-76007-296-4.

Death from osteoarthritis

- (5) For the purposes of this Statement of Principles, osteoarthritis, in relation to a person, includes death from a terminal event or condition that was contributed to by the person's osteoarthritis.

Note: *terminal event* is defined in the Schedule 1 – Dictionary.

8 Basis for determining the factors

The Repatriation Medical Authority is of the view that there is sound medical-scientific evidence that indicates that osteoarthritis and death from osteoarthritis 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 MRCA.

Note: *relevant service* is defined in the Schedule 1 – Dictionary.

9 Factors that must exist

At least one of the following factors must as a minimum exist before it can be said that a reasonable hypothesis has been raised connecting osteoarthritis or death from osteoarthritis with the circumstances of a person's relevant service:

- (1) being a prisoner of war before the clinical onset of osteoarthritis;
- (2) having inflammatory joint disease as specified, of the affected joint before the clinical onset of osteoarthritis in that joint;
- (3) having an infection of the affected joint as specified before the clinical onset of osteoarthritis in that joint;

Note: *inflammatory joint disease as specified* is defined in the Schedule 1 - Dictionary.

Note: *infection of the affected joint as specified* is defined in the Schedule 1 - Dictionary.

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- (4) having an intra-articular fracture of the affected joint before the clinical onset of osteoarthritis in that joint;
Note: *intra-articular fracture* is defined in the Schedule 1 - Dictionary.
- (5) having haemarthrosis of the affected joint before the clinical onset of osteoarthritis in that joint;
Note: *haemarthrosis* is defined in the Schedule 1 - Dictionary.
- (6) having a depositional joint disease as specified, in the affected joint before the clinical onset of osteoarthritis in that joint;
Note: *depositional joint disease as specified* is defined in the Schedule 1 - Dictionary.
- (7) having trauma to the affected joint before the clinical onset of osteoarthritis in that joint;
Note: *trauma to the affected joint* is defined in the Schedule 1 - Dictionary.
- (8) having an acute articular cartilage tear of the affected joint before the clinical onset of osteoarthritis in that joint;
- (9) having an acute meniscal tear of the affected knee before the clinical onset of osteoarthritis in that joint;
- (10) having frostbite involving the affected joint before the clinical onset of osteoarthritis in that joint;
- (11) having disordered joint mechanics of the affected joint for at least three years before the clinical onset of osteoarthritis in that joint;
Note: *disordered joint mechanics* is defined in the Schedule 1 - Dictionary.
- (12) having necrosis of the subchondral bone near the affected joint, including that from dysbaric osteonecrosis, before the clinical onset of osteoarthritis in that joint;
- (13) for osteoarthritis of a joint of the upper limb only:
- (a) performing any combination of repetitive activities or tasks involving repeated or sustained pinch grip or hand/power grip, for an average of at least 30 hours per week, for a cumulative period of at least ten years within a continuous period of 15 years, before the clinical onset of osteoarthritis in that joint;
or
Note: *hand/power grip*, *pinch grip* and *repetitive activities* are defined in the Schedule 1 - Dictionary.
- (b) using a hand-held, vibrating percussive tool or object on more days than not, for a cumulative period of at least ten years, before the clinical onset of osteoarthritis in that joint;
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(14) for osteoarthritis of a joint of the lower limb only:

Note: *joint of the lower limb* is defined in the Schedule 1 - Dictionary.

(a) having:

- (i) an amputation involving either leg; or
- (ii) an asymmetric gait;

for at least three years before the clinical onset of osteoarthritis in that joint;

(b) lifting loads of at least 20 kilograms while bearing weight through the affected joint to a cumulative total of at least 100 000 kilograms within any ten year period before the clinical onset of osteoarthritis in that joint;

Note: *lifting loads* is defined in the Schedule 1 - Dictionary.

(c) carrying loads of at least 20 kilograms while bearing weight through the affected joint to a cumulative total of at least 3 800 hours within any ten year period before the clinical onset of osteoarthritis in that joint;

(d) ascending or descending at least 150 stairs or rungs of a ladder per day, on more days than not, for a continuous period of at least two years before the clinical onset of osteoarthritis in that joint; or

(e) having increased bone mineral density before the clinical onset of osteoarthritis in that joint;

Note: *increased bone mineral density* is defined in the Schedule 1 - Dictionary.

(15) for osteoarthritis of a joint of the lower limb or hand joint only:

Note: *joint of the lower limb* and *hand joint* are defined in the Schedule 1 - Dictionary.

(a) being overweight for at least ten years before the clinical onset of osteoarthritis in that joint;

Note: *being overweight* is defined in the Schedule 1 - Dictionary.

(b) for males, having a waist circumference exceeding 102 centimetres for at least ten years before the clinical onset of osteoarthritis in that joint; or

(c) for females, having a waist circumference exceeding 88 centimetres for at least ten years before the clinical onset of osteoarthritis in that joint;

(16) for osteoarthritis of a hip or knee joint only, kneeling or squatting for a cumulative period of at least one hour per day, on more days than not, for a continuous period of at least one year before the clinical onset of osteoarthritis in that joint;

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- (17) for osteoarthritis of a knee joint only, having internal derangement of the affected joint before the clinical onset of osteoarthritis in that joint;
 - (18) for osteoarthritis of the patello-femoral joint only, having chondromalacia patella before the clinical onset of osteoarthritis in that joint;
 - (19) having a disorder associated with loss of pain sensation or proprioception involving the affected joint before the clinical onset of osteoarthritis in that joint;
 - (20) having Paget's disease of bone of the affected joint before the clinical onset of osteoarthritis in that joint;
 - (21) having acromegaly before the clinical onset of osteoarthritis in that joint;

Note: *acromegaly* is defined in the Schedule 1 - Dictionary.

- (22) having joint instability or dislocation of the affected joint, at least one year before the clinical onset of osteoarthritis in that joint;
- (23) for osteoarthritis of a hip joint only, having femoroacetabular impingement syndrome of the affected joint, before the clinical onset of osteoarthritis in that joint;

- (24) having inflammatory joint disease as specified, of the affected joint before the clinical worsening of osteoarthritis in that joint;

Note: *inflammatory joint disease as specified* is defined in the Schedule 1 - Dictionary.

- (25) having an infection of the affected joint as specified before the clinical worsening of osteoarthritis in that joint;

Note: *infection of the affected joint as specified* is defined in the Schedule 1 - Dictionary.

- (26) having an intra-articular fracture of the affected joint before the clinical worsening of osteoarthritis in that joint;

Note: *intra-articular fracture* is defined in the Schedule 1 - Dictionary.

- (27) having haemarthrosis of the affected joint before the clinical worsening of osteoarthritis in that joint;

Note: *haemarthrosis* is defined in the Schedule 1 - Dictionary.

- (28) having a depositional joint disease as specified, in the affected joint before the clinical worsening of osteoarthritis in that joint;

Note: *depositional joint disease as specified* is defined in the Schedule 1 - Dictionary.

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- (29) having trauma to the affected joint before the clinical worsening of osteoarthritis in that joint;
- Note: *trauma to the affected joint* is defined in the Schedule 1 - Dictionary.
- (30) having an acute articular cartilage tear of the affected joint before the clinical worsening of osteoarthritis in that joint;
- (31) having an acute meniscal tear of the affected knee before the clinical worsening of osteoarthritis in that joint;
- (32) having frostbite involving the affected joint before the clinical worsening of osteoarthritis in that joint;
- (33) having disordered joint mechanics of the affected joint for at least three years before the clinical worsening of osteoarthritis in that joint;
- Note: *disordered joint mechanics* is defined in the Schedule 1 - Dictionary.
- (34) having necrosis of the subchondral bone near the affected joint, including that from dysbaric osteonecrosis, before the clinical worsening of osteoarthritis in that joint;
- (35) for osteoarthritis of a joint of the upper limb only:
- (a) performing any combination of repetitive activities or tasks involving repeated or sustained pinch grip or hand/power grip, for an average of at least 30 hours per week, for a cumulative period of at least ten years within a continuous period of 15 years, before the clinical worsening of osteoarthritis in that joint; or
- Note: *hand/power grip*, *pinch grip* and *repetitive activities* are defined in the Schedule 1 - Dictionary.
- (b) using a hand-held, vibrating percussive tool or object on more days than not, for a cumulative period of at least ten years, before the clinical worsening of osteoarthritis in that joint;
- (36) for osteoarthritis of a joint of the lower limb only:
- Note: *joint of the lower limb* is defined in the Schedule 1 - Dictionary.
- (a) having:
- (i) an amputation involving either leg; or
- (ii) an asymmetric gait;
- for at least three years before the clinical worsening of osteoarthritis in that joint;
- (b) lifting loads of at least 20 kilograms while bearing weight through the affected joint to a cumulative total of at least
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100 000 kilograms within any ten year period before the clinical worsening of osteoarthritis in that joint;

Note: *lifting loads* is defined in the Schedule 1 - Dictionary.

- (c) carrying loads of at least 20 kilograms while bearing weight through the affected joint to a cumulative total of at least 3 800 hours within any ten year period before the clinical worsening of osteoarthritis in that joint;
- (d) ascending or descending at least 150 stairs or rungs of a ladder per day, on more days than not, for a continuous period of at least two years, before the clinical worsening of osteoarthritis in that joint; or
- (e) having osteoporosis before the clinical worsening of osteoarthritis in that joint;

(37) for osteoarthritis of a joint of the lower limb or hand joint only:

Note: *joint of the lower limb* and *hand joint* are defined in the Schedule 1 - Dictionary.

- (a) being overweight for at least ten years before the clinical worsening of osteoarthritis in that joint;
Note: *being overweight* is defined in the Schedule 1 - Dictionary.
- (b) for males, having a waist circumference exceeding 102 centimetres for at least ten years before the clinical worsening of osteoarthritis in that joint; or
- (c) for females, having a waist circumference exceeding 88 centimetres for at least ten years before the clinical worsening of osteoarthritis in that joint;

(38) for osteoarthritis of a hip or knee joint only, kneeling or squatting for a cumulative period of at least one hour per day, on more days than not, for a continuous period of at least one year before the clinical worsening of osteoarthritis in that joint;

(39) for osteoarthritis of a knee joint only, having internal derangement of the affected joint before the clinical worsening of osteoarthritis in that joint;

(40) for osteoarthritis of the patello-femoral joint only, having chondromalacia patella before the clinical worsening of osteoarthritis in that joint;

(41) having a disorder associated with loss of pain sensation or proprioception involving the affected joint before the clinical worsening of osteoarthritis in that joint;

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- (42) having Paget's disease of bone of the affected joint before the clinical worsening of osteoarthritis in that joint;
 - (43) having acromegaly before the clinical worsening of osteoarthritis in that joint;
Note: *acromegaly* is defined in the Schedule 1 - Dictionary.
 - (44) having joint instability or dislocation of the affected joint, at least one year before the clinical worsening of osteoarthritis in that joint;
 - (45) for osteoarthritis of a hip joint only, having femoroacetabular impingement syndrome of the affected joint, before the clinical worsening of osteoarthritis in that joint;
 - (46) inability to obtain appropriate clinical management for osteoarthritis.

10 Relationship to service

- (1) The existence in a person of any factor referred to in section 9, must be related to the relevant service rendered by the person.
- (2) The factors set out in subsections 9(24) to 9(46) apply only to material contribution to, or aggravation of, osteoarthritis where the person's osteoarthritis was suffered or contracted before or during (but did not arise out of) the person's relevant service.

11 Factors referring to an injury or disease covered by another Statement of Principles

In this Statement of Principles:

- (1) if a factor referred to in section 9 applies in relation to a person; and
- (2) that factor refers to an injury or disease in respect of which a Statement of Principles has been determined under subsection 196B(2) of the VEA;

then the factors in that Statement of Principles apply in accordance with the terms of that Statement of Principles as in force from time to time.

Schedule 1 - Dictionary

Note: See Section 6

1 Definitions

In this instrument:

acromegaly means a chronic disease of adults resulting from hypersecretion of growth hormone after closure of the epiphyses.

being overweight means having a Body Mass Index (BMI) of 25 or greater.

Note: **BMI** is also defined in the Schedule 1 - Dictionary.

BMI means W/H^2 where:

W is the person's weight in kilograms; and

H is the person's height in metres.

depositional joint disease as specified means one of the following:

- (a) alkaptonuria (also known as ochronosis);
- (b) calcium pyrophosphate dihydrate deposition disease (also known as pseudogout);
- (c) gout;
- (d) haemochromatosis; or
- (e) Wilson's disease.

disordered joint mechanics means maldistribution of loading forces on that joint resulting from:

- (a) a rotation or angulation deformity of the bones of the affected limb; or
- (b) a rotation or angulation deformity of the joint of the affected limb; or
- (c) a rotation or angulation deformity of the bones adjacent to the affected joint.

haemarthrosis means bleeding into the joint.

hand joint means the interphalangeal, metacarpophalangeal, carpometacarpal and intercarpal joints of the hand. This definition excludes the radiocarpal joint (wrist joint).

hand/power grip means activities mostly requiring forceful flexion of the fingers to hold an object.

Note: Examples of activities which require power grip include handling heavy tools, cutting with knives, carrying heavy objects and pushing a wheelchair.

increased bone mineral density means a bone mineral density at least one standard deviation above the mean bone mineral density of young adult sex-matched controls.

infection of the affected joint as specified means the bacterial infection of a joint resulting in inflammation within that joint or infection of a joint by a virus, fungus or parasite resulting in inflammation and destruction of articular cartilage within that joint.

inflammatory joint disease as specified means one of the following:

- (a) ankylosing spondylitis;
- (b) arthritis associated with Crohn's disease or ulcerative colitis;
- (c) psoriatic arthropathy;
- (d) reactive arthritis; or
- (e) rheumatoid arthritis.

intra-articular fracture means a fracture involving the articular surface of a joint.

joint of the lower limb means the hip, knee, ankle, sacro-iliac joint or any joint of the foot.

lifting loads means manually raising an object.

MRCA means the *Military Rehabilitation and Compensation Act 2004*.

osteoarthritis—see subsection 7(2).

pinch grip means activities requiring repetitive or sustained grip with the fingers being pressed together at their tips to hold an object; most often pinch grip involves primarily the thumb, the index finger and the middle finger.

Note: Examples of activities which require pinch grip include writing, sewing, knitting, painting with small brushes and holding dentistry instruments.

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.

Note: ***MRCA*** and ***VEA*** are also defined in the Schedule 1 - Dictionary.

repetitive activities means:

- (a) bending or twisting of the affected joint; or
- (b) carrying out the same or similar movements that involve the affected joint;

at least 50 times per hour.

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

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

trauma to the affected joint means a discrete event involving the application of significant physical force to or through the affected joint, that causes damage to the joint and the development, within 24 hours of the event occurring, of symptoms and signs of pain and tenderness, and either altered mobility or range of movement of the joint. These symptoms and signs must last for a period of at least seven days following their onset, save for where medical intervention for the trauma to that joint has occurred and that medical intervention involves one of the following:

- (a) immobilisation of the joint or limb by splinting or similar external agent;
- (b) injection of corticosteroids or local anaesthetics into that joint; or
- (c) surgery to that joint.

VEA means the *Veterans' Entitlements Act 1986*.

Endnotes

Endnote 1—About the endnotes

The endnotes provide information about this compilation and the compiled law.

The following endnotes are included in every compilation:

Endnote 1—About the endnotes

Endnote 2—Abbreviation key

Endnote 3—Legislation history

Endnote 4—Amendment history

Abbreviation key—Endnote 2

The abbreviation key sets out abbreviations that may be used in the endnotes.

Legislation history and amendment history—Endnotes 3 and 4

Amending laws are annotated in the legislation history and amendment history.

The legislation history in endnote 3 provides information about each law that has amended (or will amend) the compiled law. The information includes commencement details for amending laws and details of any application, saving or transitional provisions that are not included in this compilation.

The amendment history in endnote 4 provides information about amendments at the provision (generally section or equivalent) level. It also includes information about any provision of the compiled law that has been repealed in accordance with a provision of the law.

Misdescribed amendments

A misdescribed amendment is an amendment that does not accurately describe the amendment to be made. If, despite the misdescription, the amendment can be given effect as intended, the amendment is incorporated into the compiled law and the abbreviation “(md)” added to the details of the amendment included in the amendment history.

If a misdescribed amendment cannot be given effect as intended, the abbreviation “(md not incorp)” is added to the details of the amendment included in the amendment history.

Endnote 2—Abbreviation key

ad = added or inserted	o = order(s)
am = amended	Ord = Ordinance
amdt = amendment	orig = original
c = clause(s)	par = paragraph(s)/subparagraph(s) /sub-subparagraph(s)
C[x] = Compilation No. x	pres = present
Ch = Chapter(s)	prev = previous
def = definition(s)	(prev...) = previously
Dict = Dictionary	Pt = Part(s)
disallowed = disallowed by Parliament	r = regulation(s)/rule(s)
Div = Division(s)	
exp = expires/expired or ceases/ceased to have effect	reloc = relocated
F = Federal Register of Legislation	renum = renumbered
gaz = gazette	rep = repealed
LA = <i>Legislation Act 2003</i>	rs = repealed and substituted
LIA = <i>Legislative Instruments Act 2003</i>	s = section(s)/subsection(s)
(md) = misdescribed amendment can be given effect	Sch = Schedule(s)
(md not incorp) = misdescribed amendment cannot be given effect	Sdiv = Subdivision(s)
mod = modified/modification	SLI = Select Legislative Instrument
No. = Number(s)	SR = Statutory Rules
	Sub-Ch = Sub-Chapter(s)
	SubPt = Subpart(s)
	<u>underlining</u> = whole or part not commenced or to be commenced

Endnote 3—Legislation history

Endnote 3—Legislation history

Name	Registration	Commencement	Application, saving and transitional provisions
<i>Statement of Principles concerning osteoarthritis (Reasonable Hypothesis) (No. 61 of 2017)</i>	6 November 2017 F2017L01443	4 December 2017	
<i>Amendment Statement of Principles concerning osteoarthritis (Reasonable Hypothesis) (No. 73 of 2019)</i>	3 July 2019 F2019L00958	22 July 2019	

Endnote 4—Amendment history

Endnote 4—Amendment history

Provision affected	How affected
Subsection 7(2).....	rs. No. 73 of 2019