



Managing Patients with Pain in Primary Care – Part 1

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Preamble

Managing patients with pain, especially chronic non-cancer pain (CNCP) is challenging given current practice realities. Practice patterns have changed with more patients receiving episodic care from walk-in-clinics, emergency departments, and group or team-based clinics with a variety of participating clinicians. Clinicians can be overwhelmed by guidelines, updates, algorithms, portals, and on-line journals. The British Columbia's Opioid Overdose Crisis has permeated our day-to-day practice and often create prescribing uncertainty. Many have fears (though often misplaced) about potential disciplinary and legal consequences from licensing and legislative bodies. Patients also have access to many sources of information, may come with a history of past trauma and unequal treatment by the health care system, and often struggle with reduced function and ability because of their pain.

The intent of this guideline is to provide practical, accessible, and BC specific guidance. In essence, this is more of a **Clinical Guidance Document** and not a formal guideline. It's a distillation of many guidelines, expert recommendations, and standards of care. There are few overall pain guidelines for direct comparison. The guideline development working group were made aware of the [Appraisal of Guidelines for Research and Evaluation \(AGREE\)](#) process that helped inform their appraisal of these guidelines.

There is no clear or absolute clinical pathway to managing pain and many controversies persist, especially in the use of opioids and cannabis. The guideline development committee recommends reasonable clinical judgement, clear documentation, and frequent reassessment.

Scope

This guideline comprises of two parts:

1. Pain Assessment and Management Approaches
2. Pain Management – Pharmacological and Procedural

Within scope of this guideline:

- Practical recommendations within the primary care setting for a graded, multimodal approach to supporting adult patients (≥ 19 years) with pain on a continuum from acute, subacute to chronic pain. A multimodal approach is one where patients with pain receive multiple interventions and supports, both concurrently and sequentially.
- General approaches to treating patients with pain and links to supportive resources.

Out of scope of this guideline:

- Detailed recommendations for condition-specific pain.
- Pain in palliative care or as part of an advanced life-limiting disease.
 - Refer to [BC Guidelines: Palliative Care Part 2: Pain and Symptom Management](#). Patients with pain associated with serious or advanced illness may benefit from both the Palliative Care and Managing Pain guidelines.
- Pain in children or young adults. Consider accessing the [Pain Service at BC Children's Hospital](#) for more specific assistance in managing pain in this age group.

Key Recommendations

- Patients with moderate to severe acute injury should receive adequate pain control and consideration of early referral to specialized services, where indicated and available.
- Consider improving function and reducing disability, rather than elimination of pain, as the goal of pain management strategies, especially when pain progresses into the chronic pain continuum.
- A supportive longitudinal therapeutic relationship is a foundation of pain management. Given the changing face of primary care with team-based care, walk-in care, and virtual care, use of databases like Electronic Medical Records (EMRs), PharmaNet, and CareConnect is increasingly important.
- Throughout the pain continuum, especially in subacute and chronic phases, assess for biopsychosocial factors (yellow flags) and co-morbid conditions. Be alert to addressing risk factors for developing chronic pain.
- Complex Regional Pain Syndrome (CRPS) is often considered a pain emergency and warrants urgent referral or consultation by a pain specialist and consideration of early intervention with steroids.
- Consider all forms of interventions, including non-pharmacological and pharmacological, as a 'trial' to be reassessed for effectiveness on a regular basis.
- For people with chronic pain not already on opioid therapy, optimize non-pharmacotherapy and non-opioid pharmacotherapy first before considering a trial of opioid therapy.
- For all medication, aim for the optimal dose and be aware of the recommended maximal dose with fewest side effects and do regular, recurrent evaluation to assess for meaningful improvement in pain and function. See ***Managing Pain in Primary Care – Part 2: Pharmacological Management***.

Definition

The [International Association for the Study of Pain \(IASP\)](#) defines pain as “An unpleasant sensory and emotional experience associated with, or resembling that associated with, actual or potential tissue damage.”

In addition, six key notes are added.

- Pain is always a personal experience that is influenced to varying degrees by biological, psychological, and social factors.
- Pain and nociception are different phenomena. Pain cannot be inferred solely from activity in sensory neurons.
- Through their life experiences, individuals learn the concept of pain.
- A person's report of an experience as pain should be respected.
- Although pain usually serves an adaptive role, it may have adverse effects on function and social and psychological well-being.
- Verbal description is only one of several behaviors to express pain; inability to communicate does not negate the possibility that a human or a nonhuman animal experiences pain.

While it is convenient to try and categorize pain in terms of mechanism, duration or origin, there can be significant differences in how individuals experience pain and how tissues may heal. The parameters for defining pain as acute or chronic may vary depending on the type of trauma and past history, which suggests that a more nuanced approach to applying a framework for resolution of the pain is often required.

Acute pain is pain generally expected to last less than 4 weeks and occurs within the context of tissue damage and repair, resolving with tissue healing.

Subacute pain (transition zone between acute and chronic) is defined as pain not resolving or diminishing as expected in 4-12 weeks after initial onset. The 'subacute' timeframe should trigger practitioners to pause and reflect on progress of pain management and take steps to reduce the likelihood of transition to chronic pain.

Chronic or persistent pain is pain persisting for greater than 3 months. It can arise from long-term medical conditions not expected to improve such as osteoarthritis, scoliosis, and multiple sclerosis, or it can also be pain that persists beyond expected time of healing.

Pain can be described in terms of mechanisms. Treatment modalities, including adjuvants, may differ significantly depending on the mechanism of pain.

- **Nociceptive:** arises from actual or threatened damage to underlying tissue (e.g., soft tissue, bone, viscera)
- **Inflammatory:** perception of noxious stimuli that occur during an inflammatory or immune response.
- **Neuropathic:** results from damaged or dysfunctional nerves (leads to misfiring pain signals).
- **Nociplastic:** altered pain perception without clear evidence of actual or threatened tissue damage such as in fibromyalgia.

When considering a patient’s experience of pain, it can help to remember:

- Pain is always a personal, learned experience that is influenced to varying degrees by biological, psychological, social, and cultural factors and life experiences.
- A person’s report of their subjective experience of pain should be respected.
- Although pain usually serves an adaptive role, it may have adverse effects on function, and on social and psychological well-being.
- Verbal description is only one of several ways to express pain; inability to communicate does not negate the possibility that a person experiences pain.

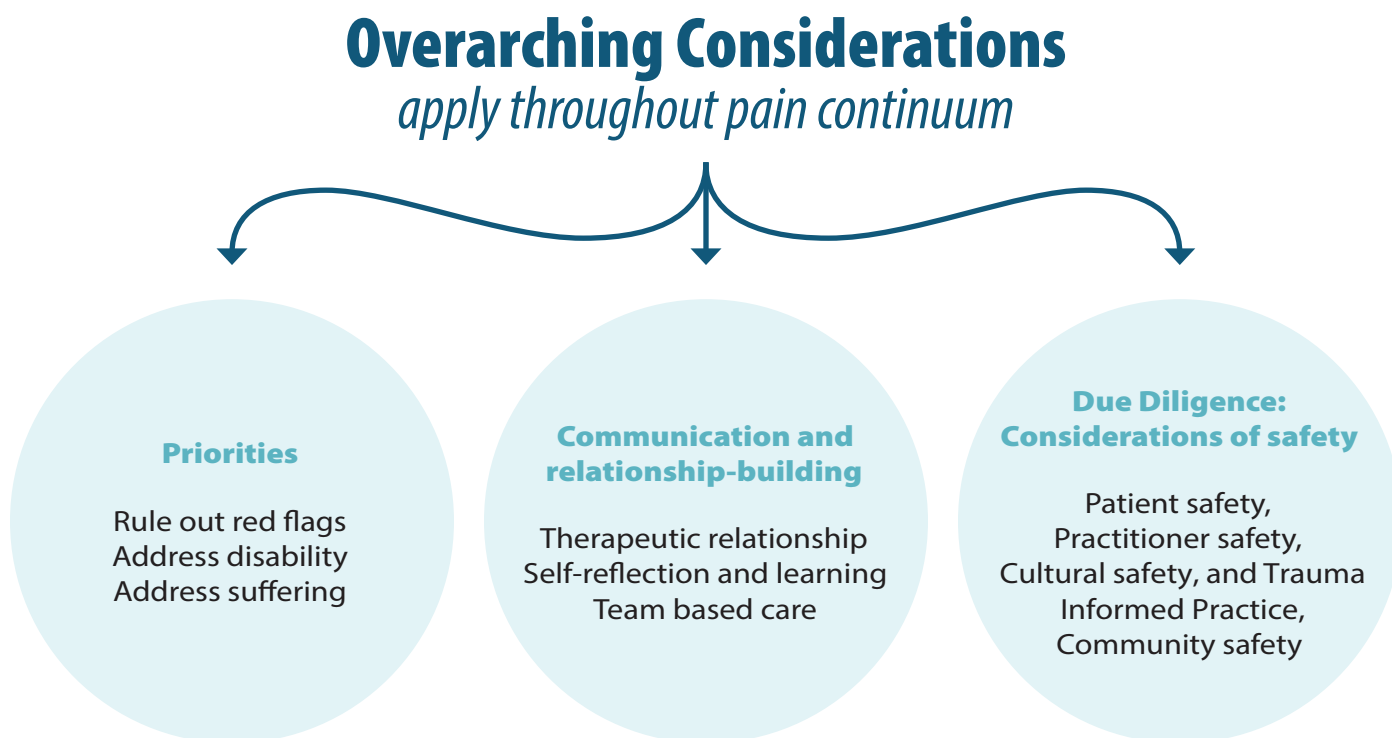
Epidemiology of Chronic Pain

According to Statistics Canada, an estimated 7.6 million, or one in five people (across their lifespan) in Canada, live with chronic pain.¹ It is estimated that 1 in 5 adults in BC suffer with chronic pain.²

Approach to Care

Pain management is within the scope of practice of all primary care practitioners. Patients seeking management of their pain may at times face social stigma and negative assumptions about their motives, leading to less than adequate care. Successful pain management requires a highly individualized, respectful, evidence-informed treatment approach and benefits from a team-based, biopsychosocial approach. See [Appendix A: Overarching Considerations of Pain Management](#).

Figure 1: Overarching Considerations of Pain Management



General Principles

While clinicians may see a patient at any point along the pain continuum, the principles for managing pain remain consistent. It is important to develop a positive, supportive, and respectful therapeutic relationship. Strong consideration should be given to using a [trauma informed approach](#), especially in people experiencing chronic pain.

- Emphasis on addressing ongoing impact of pain, disability, and suffering. The goal is improved function – use functional assessments for personal and occupational functioning.
- Unattached patients and those in team-based practices with a variety of care providers present a challenge to the traditional long-term relationship that clinicians have previously had. Use of the EMR and shared databases such as [PharmaNet](#) and [CareConnect](#) are increasingly important to connect the information relating to patient's history and past care interventions.
- Encourage supported self-management strategies (See [Resources: Resources for Patients](#)) and incorporate into daily lives.
- Consider all interventions and therapies as therapeutic trials.
- Consistent re-evaluation of progress is important. Address early if progress is delayed.
- Red flags suggest a more urgent need for investigations or referral ([Table 1: Pain Red Flags](#)).
- Yellow flags are physical, psychological and social Factors that may affect development of chronic pain ([Table 2: Pain Yellow Flags](#))
- Be alert to red and yellow flags – assess and re-assess concurrent disorders and biopsychosocial factors that increase the risk of the pain becoming chronic. Be mindful of patient, practitioner, and community safety.
- Document well – improvements/changes in symptoms and function, and patient assessment of effects of individual modalities. This is especially important when using opioids and if exceeding recommended prescribing standards.

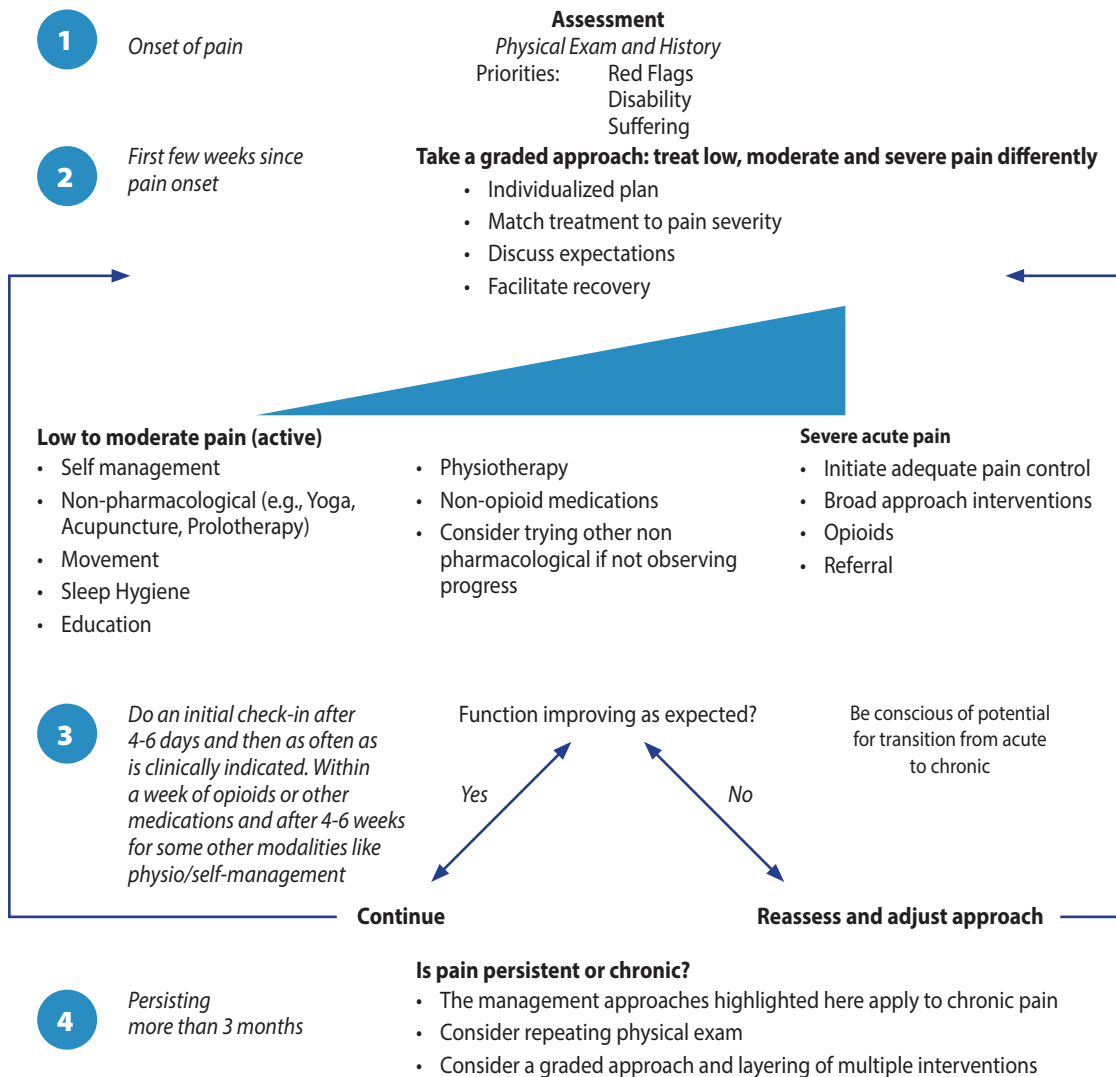
Many groups, especially Indigenous, people of colour and immigrant communities, may be disproportionately affected by their past experience of inequitable treatment by healthcare providers. However, many of these communities may also bring strength, resilience, protective factors (cultural continuity), and other strategies for self-management, such as traditional medicine and healers.

Assessing and Managing Pain

Overview of Strategies for Managing People with Pain

This figure describes management strategies over time from initial onset, highlighting a stepped approach to patients with pain, the need to assess progress and consider additional or alternate strategies, including mitigating risk of progression.

Figure 2: Strategies for Pain Management



Overarching principles

- Communication and trauma-informed care
- Cultural safety
- Patient-centred care
- Team based care
- Patient education and self-management

What progress may be expected?

- Improved function
- Reduced disability
- Lessening of pain
- Meeting individualized goals (e.g., return to work or school)
- Increased knowledge of pain science
- Increased awareness of self-management options
- Connection to community pain supports (e.g., allied health)

What to do when function is not improving as expected?

- Repeat detailed physical exam
- Assess risk factors
- Assess concurrent disorders
- Address biopsychosocial domains
- Consider Adverse Childhood Experiences
- Consider other approaches
- Consider referral to counselling
- Consider referral to specialist
- Consider breathing, movement, nutrition

Acute Pain

Assessment

- Identify the source of the pain. Consider pain mechanism and location.
- Take a structured pain history. Consider one of the following strategies:
 - OPQRST – **O**nset, **P**rovoking/**P**alliating, **Q**uality of pain, **R**egion/**R**adiation, **S**everity, **T**iming/**T**reatment
 - AAA – **A**lleviating/aggravating factors, **A**ssociated symptoms, **A**ttributions/adaptation.
- Consider assessment for mood disorder and substance use disorder.
- Assess early for Red Flags. See [Table 1: Pain Red Flags](#) below.

Table 1: Pain Red Flags³

Red Flags suggest a more urgent need for investigations and/or referral (adapted from [Centre for Effective Practice 'Management of Non-Cancer Pain'](#))

Red Flag Category	Clinical Features
Neurological	Diffuse motor/sensory loss; progressive neurological deficits; Cauda Equina Syndrome
Infection	Fever, chills, weight loss, IV drug use, immunocompromised (including steroids)
Fracture	History of physical trauma; minor trauma in elderly or with osteoporosis risk (consider acute vertebral fractures)
Malignancy	History of cancer; age >50; unexplained weight loss; night pain or supine pain; severe fatigue
Inflammatory	Acute monoarthritis; Arteritis-giant cell/temporal; acute vasculitis; acute flare up of connective tissue disease
Vascular	History of significant vascular risk factors, clotting disorders, and cardiovascular disease; hemodynamic instability; abdominal pain suggestive of AAA; unilateral limb symptoms including swelling and absence of pulses, coldness
Constitutional	Unexplained fever (>38°C); unexplained weight loss; night sweats
Complex Regional Pain Syndrome (CRPS)	Previously known as Reflex Sympathetic Dystrophy, an evolving CRPS is usually considered an emergency by pain specialists with a strong suggestion for at least a phone consultation and consideration of an urgent referral. While considered rare, it is occasionally progressive involving the arm, leg, hand, or foot. Symptoms may include excessive pain, swelling, and changes in skin colour, texture, and temperature. A subset of patients may benefit from early steroid therapy so again consider an urgent consultation and referral.

Functional and Occupational Assessment

Support work rehabilitation, occupational review and return to work or education. Explore work accommodation options (e.g., part-time, modified duties), if appropriate, rather than complete disability.

- For [WorkSafeBC](#) and [Insurance Corporation of British Columbia \(ICBC\)](#) injuries, consider early intervention support and consultation.
- Many occupational groups, employers and insurance companies have occupational health departments and clinician experts. Engage early if complex pain or extended disability is anticipated.

Management

- Patients with painful acute injury or illness should receive appropriate pain control. See ***Managing Pain in Primary Care – Part 2: Pharmacological Management***.
- To help reduce the pain burden, consider focusing on medication in the first few weeks. This may allow the patient the time and confidence to begin to engage in other pain treatment modalities that are not medication based. See [Appendix B: Non-pharmacological Treatment Modalities for Pain](#).
- Consider non-opioid medications first unless pain is severe.
- If considering prescribing opioids, assess for active and past substance use disorder (SUD) (including nicotine, alcohol, opioids, marijuana) and psychiatric disorders. The presence of these disorders is not a reason to not prescribe but suggests a need to proceed with caution and to have a clear discussion with patient about risks. The presence of any SUD is not an absolute contraindication to prescribe opioids, though it does increase risk of overdose and addiction to opioids. Thus, more safeguards, including enhanced monitoring, need to be put in place and clear documentation of risks and benefits for that particular patient outlined. Certain pain medications may not be safe to prescribe. Patients with pain when on opioid agonist therapy (OAT) need to be referred to an addiction medicine specialist with knowledge of pain treatment. Specific management for individuals in this situation is outside the bounds of this guideline.

- If opioids are prescribed for acute pain, suggest limiting the duration of the first prescription of opioids to less than 7 days, and use short-acting agents only.⁴
- If patient is not progressing, try alternate interventions and assess if pain is becoming more complex (refer to **Subacute** section below).
- **It is always appropriate to consider non-pharmacologic strategies such as chiropractic care, manual therapy, and acupuncture (as examples) in the acute onset of pain.**

Subacute (4 weeks – 3 months) - Transition from Acute to Chronic pain

Assessment

If the patient is not progressing as expected after 4-6 weeks (e.g., severe pain, pain is increasingly complex, multiple pain sites), assess for biopsychosocial factors (Yellow Flags) that may indicate risk for developing persistent pain and disability (See [Table 2: Yellow Flags](#)). Consider asking “How is the pain affecting the rest of your life?”

Table 2: Yellow Flags – Physical, Psychological and Social Factors that May Affect Development of Chronic Pain (adapted from Centre for Effective Practice)^{3,5,6}

Physical Factors	Psychological Factors	Social Context
Lack of activity/prior deconditioning	Depression ⁶	Injured at work; low job satisfaction; challenging work relationships; awareness of work safety issues
Increasing age (levels out at age 60)	Anxiety	On-going litigation or compensation issues
Early and high levels of disability	Post-Traumatic Stress Disorder (PTSD)	Poor support structure (family and social) Family history of chronic pain
Duration or intensity of pain, disproportional to mechanism of injury	Adverse Childhood Experiences	Motor vehicle accident
Multiple somatic complaints such as fatigue, insomnia, anorexia	History of sexual abuse ⁹	Vulnerable populations (e.g., social determinants of health such as poverty, lack of stable housing, physical or mental/ cognitive challenges, language and cultural barriers, frail elderly)
Poor sleep ^{7,8}	Anger, fear, hypervigilance	
Previous injury and/or comorbid conditions, particularly if prolonged recovery	Past/present history of substance use	

Management

Take steps to mitigate development of chronic pain. This may be the time for more careful reflection. Pain persisting more than a few weeks and/or beyond what may be considered normal healing and repair is a cue to consider the whole patient and address biopsychosocial factors and socioeconomic factors in parallel with other interventions.

Reflection should include:

- Are there specific patient-related issues such as past traumas, previous addictive behaviours, financial/social/housing insecurity, or other medical conditions?
- Are there practitioner-related issues including personal experiences with pain, personality differences, and time constraints.
- Is pain getting more complex? What else can be done?
- Consider repeating a detailed and/or targeted physical exam.
- Initiate or repeat assessment tools to monitor progress such as:
 - [Brief Pain Inventory](#)
 - [Pain Disability Index](#)
 - [Orebro Musculoskeletal Pain Questionnaire](#)
- Practice Support Program (PSP) and [Pain BC](#) have a more extensive list of pain assessment tools.
- When using the assessment tools, some pain specialists have noted that many patients will label every domain as 10/10. While it may not be an accurate reflection of the actual pain, it may reflect the patient’s overall frustration and hopelessness and should not be dismissed as malingering or over-exaggeration. Consider that multiple pain mechanisms may now be involved in the patient’s experience of pain.
- Re-emphasize that total elimination of pain may not be the goal. Improving function and managing suffering are the priorities. Provide information on pain education and self-management. See [Resources: Resources for Patients](#).

- If recovery is delayed, refer to specialists for expedited assessment or for specialized treatments/ procedures (e.g., epidural or nerve root injections, facet or SI joint injections, joint injections or vertebroplasty). For some conditions such as CRPS and worsening neuropathic pain, referral to specialty services should be as early as possible. This may be especially true in frail older adults as they experience greater functional impairment that can worsen frailty.
- As complexity increases, consider combinations of treatments rather than a sequence of treatments. Consider other options, in addition to medications and non-pharmacological interventions. Consider involvement of allied health professionals and/or teams, where available. See [Appendix C: Allied Health Professionals to Support Pain Management](#).
- Explore accommodations for work/school such as the [WorkSafeBC Physician's Report](#).
- For patients involved in **motor vehicle accidents** who are not recovering as expected or have an unknown diagnosis or complicating factors, consider referral to an [ICBC registered care advisor \(RCA\)](#) **within 90 days** of the accident for an expedited medical consultation.

Chronic Pain (3+ months)

Assessment

It may be worthwhile considering a slightly different approach if the patient has long standing and well documented pain, versus the patient who has recently developed chronic pain after an acute event. Many strategies are the same, but a patient with long standing chronic pain may have adapted to achieve some stable level of function and ability, while a patient with new onset of chronic pain may still be uncertain about work options and activities of daily living (ADL) adaptations.

Evaluating and managing patients with chronic pain requires repeat history and physical exams as well as evaluation of disability and psychosocial domains. This can be beneficial even for long-term patients who appear stable. This process can be conducted over multiple office visits and may at various times include:

- Repeat / review history, physical exam
- Consider asking yourself:
 1. What is going on?
 2. Could it be something else?
 3. Could two things be going on at once?
 4. Is the diagnosis still supported by the available evidence?
- Review medication history including over the counter (OTC) and “off label” products (including use of cannabis)
- Repeat / review pain assessment tools, including functional and occupational assessments
- Assess / reassess for mental health conditions (e.g., use screening tools for anxiety, depression, PTSD). Both chronic pain and depression may frequently co-exist, especially in old age, and may be risk factors for each other.¹⁰ Consider exploring other life changes as possible contributors to depression and/or pain symptoms. *What other things are going on in your life?*
- Assess / reassess concurrent disorders and other medical conditions:
 - Substance use disorders (e.g., opioid, alcohol)
 - Sleep disorders
 - Chronic diseases (diabetes, chronic heart failure, obesity, cancer, osteoporosis)
 - Falls and falls risks, especially in frail older adult (refer to [BCGuidelines: Falls Prevention](#))
 - Polypharmacy, including OTC medications
 - Cognitive and/or sensory impairment
- Assess / reassess risk factors and biopsychosocial domains (Red and Yellow Flags)
- Consider referral to specialists or allied healthcare. [Appendix C: Allied Health Professionals to Support Pain Management](#).
- Consider strategies such as breathing, movement, and nutrition. All strategies may add to the layering effect that improves function and reduces suffering and disability. See [Appendix B: Non-pharmacological Treatment Modalities for Pain](#).

Management

- In B.C., many of these modalities are not publicly funded and availability of specialized care may not be equitably available. Access to many specialized pain management services outside of a few large urban centres is often extremely limited. Some of this can be mitigated through “telehealth” type options, which more specialists are using.
- However, many patients who qualify for income or disability assistance may receive coverage or partial coverage for non-insured health benefits (NIHB) such as physical therapy, acupuncture, chiropractic care, massage therapy, mental health care, pharmacy coverage, medical supplies, and dental care. For more information see [BC Family and social supports](#).
- Federal employees, RCMP members, armed forces personnel, and military veterans may also have additional health benefits coverage.
- Best practice treatment plans involve primary care providers working closely with allied health care providers, such as physiotherapists, occupational therapists, psychologists, chiropractors, massage therapists, and social workers, and should be centred around patient education and self-management. Despite many services not being publicly funded, explore coverage through ICBC, WorkSafe BC and patient’s work disability services or private insurance, in addition to coverage through income assistance. Refer to [Pain BC](#) and [PathwaysBC](#) for listings of providers, self-management groups and clinics with experience and training in managing chronic pain.
- Match non-pharmacological interventions that are best suited to patient’s specific pain mechanism and history, such as physiotherapy or chiropractic therapy for mechanical low back pain (LBP); psychological intervention if there is a possible history of PTSD or Adverse Childhood Experiences (ACEs); Cognitive Behavioural Therapy (CBT) for depression and anxiety; and social work or occupational therapy if housing/financial/job insecurity are present. Using a layered and multimodal approach may be more effective than trying a single intervention at a time. For information on services available in the community, visit [Pain BC](#) and [HealthLinkBC](#).
- Discuss goals of care. Specifically, improved function, reduced suffering, and patient’s other individual goals, and not necessarily removal of all pain.
- Review patient expectations for treatment outcomes and address misconceptions or unrealistic expectations.
- Over multiple visits, develop an Individualized Care Plan or [chronic pain flow sheet](#)³ to encourage a better systematic approach to chronic pain. Share and review the plan with the patient.
- Provide guidance for practical steps that can be addressed in next visit.
- If a patient has been adherent to therapy for 3-4 months and is not responding, consider an alternative approach.
- Educate patients about chronic pain and the multidimensionality of pain. See [Resources: Resources for Patients](#). It is often assumed that tissue damage will continue to heal, but there may be other interfering factors.
- Educate patients that non-opioid treatment gives equal pain control and fewer side effects than opioid treatment for most types of chronic LBP and knee and hip arthritic pain.¹¹
- Educate patients that opioid use may increase pain sensitivity and add to pain at injury sites during withdrawal.^{12,13}

Procedural Pain Management (PPM) for Patients in Primary Care Settings

Within the context of primary care, there are several procedures that can be within the scope of most clinicians. The College of Physicians and Surgeons of B.C. (CPSBC), in accordance with the BC Medical Quality Initiative (BCMQUI), categorizes procedures into four tiers (basic, intermediate, advanced I and advanced II). Basic and intermediate procedures include:

- Trigger point injections
- Bursa injections
- Intra-articular injections including the hip and intra-articular glenohumeral joints
- Mid-sized peripheral nerve blocks

These procedures generally don’t require imaging, can be performed in an office setting and are not restricted to an accredited facility. It is beyond the scope of this guideline to describe these procedures in detail and their indications, but they tend to be self-explanatory, and several online instruction resources exist.

For more complex procedures (e.g., epidural injections, facet joint injections, sympathetic nerve blocks) the BCMQI has described these procedures as Advanced Level I and II, which are required to be done in an approved facility or hospital. Delivery of these procedures in non-hospital settings (e.g., community based GP practices) require facility accreditation and practitioner credentialing. Refer to [CPSBC](#) and [BCMQUI](#) websites for more information.

Substance Use Reduction

A number of different psychoactive substances have been shown to temporarily suppress pain perception in the euphoric phase (the reason the patient with pain may like the feel of the substance). Yet, these same substances can increase pain sensitivity and add to chronic pain in the long run. Alcohol, tobacco, and opioids are all examples.¹³⁻¹⁶ Patient education on this topic then a trial of tapering down or off of these substances may be needed to help pain perception. In those with CNCP, opioids can produce a dose-dependent pain sensitization that temporarily worsens during tapering.^{12,17,18} For those with chronic pain or an opioid use disorder, previous injury sites can hurt again during abrupt withdrawal and add to the risk of opioid re-initiation. Thus, slow tapering along with the use of adjuvant medications like non steroidal anti-inflammatory drugs (NSAIDs) or gabapentinoids may be helpful in adults who do not meet an OUD diagnosis. **Previously stable OAT or opioids used for the treatment of OUD should not be routinely tapered.**

Supported Self-Management

- Provide or refer patient to educational resources about science of pain. Pain education has been shown to decrease disability and increase self-efficacy.¹⁹ Refer to [Resources: Resources for Patients](#) for helpful resources.
- Provide patient with information about self-management (including focused breathing, nutrition, gentle movement, mindfulness meditation, sleep hygiene, etc.) connecting to additional support (e.g., community physical activity programs, dietitians, etc.).
- Consider goal setting, including return to work and [Brief Action Planning \(BAP\)](#).

Allied Health Professionals to Support Non-pharmacological Pain Management

Pain BC has developed an overview of [Allied Health Approaches To Chronic Pain Management-A Tool For Primary Care Providers](#). Many non-pharmacological interventions may be partially or fully covered by third party insurers (e.g., ICBC or WorkSafeBC), or if patient is on disability or income assistance. See [Appendix C: Allied Health Professionals to Support Pain Management](#) for more details on allied practitioners.

Considerations for Referral or Request for Expert Input

When patients DO NOT experience ongoing improvement in function and decrease in suffering then consider:

- Consultation with an appropriate specialist.
- Structural cause such as a compression fracture.
- Psychological services if history of PTSD, ACEs, or catastrophizing.
- Pain clinic if pain appears to have a nociplastic component.

Guiding principles for referral or request for expert input:

- Not seeing appropriate progress and pain looks likely to persist longer than expected.
- Neuropathic features develop, persist, or worsen.
- Post-op patients unable to reduce or discontinue opioid use.
- If patient is continuing to show biopsychosocial factors that increase risk of progression to chronic pain.
- Some pain specialists suggest that the emergence of CRPS symptoms warrants at least a phone consultation to assess the need for urgent referral. If WorkSafeBC or ICBC involved, phone the worker's medical advisor and ask for an expedited appointment.
- If an interventional or surgical procedure is likely.
- If chronic non-cancer pain and OUD coexist a referral to an addiction specialist is warranted.

Managing Pain in the Older Adult

Managing pain in the “Older Adult”, especially the frail older adult, often requires modifications and adjustments in both approach and dosages. Many experts suggest that age greater than 70 may be an appropriate age to consider age related factors in assessing and managing pain. The definition of frailty is still being fully defined but its current definition is a medical syndrome with multiple causes and contributors, characterized by diminished strength and endurance and reduced physiological function, leading to increased vulnerability for adverse health outcomes such as functional decline and early mortality. While frailty is common with increasing age, it is not an inevitable part of aging. Additional information about [Healthy Aging and Preventing Frailty](#) can be found in the updated provincial healthy aging strategy.

Guiding Principles:

- The frail older adult may require adjustments in medications and dosages, but the use of opioids is not contraindicated. See **Part 2: Pharmacological Treatment** for more specific guidance.
- Persistent pain in frail older adults increases morbidity and poor health outcomes, making treatment a priority.
- Multiple morbidity, cognitive impairment and altered pharmacokinetics and dynamics mandate an individual approach. Some basic bloodwork, including renal function, may be appropriate in the initial assessment phase and intermittently if the use of medication persists.
- As cognition worsens, pain is less likely to be reported and may manifest as other distress behaviours (e.g., agitation, resisting care, insomnia, poor appetite).
- Older adults are more likely to be taking multiple medications (polypharmacy) and have co-morbidities. Therefore, assess individual patients for drug and disease interactions when prescribing NSAIDs and other medications.
- Risk of falls is elevated. However, pain and decreased attention or poor sleep due to chronic pain can also increase the risk of falls. Monitoring the increased risk for managing pain in the elderly is necessary to reduce suffering and increased function.

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► Practitioner Resources

- **PathwaysBC:** An online resource that allows GPs, nurse practitioners and their office staff to quickly access current and accurate referral information for specialists and specialty clinics, including wait times and areas of expertise. In addition, Pathways makes available hundreds of patient and physician resources that are categorized and searchable. Pain Management resource video at Pathways is available at vimeo.com/528999461.
- **PharmaNet:** PharmaNet, administered by the Ministry of Health, was developed in consultation with health professionals and the public to improve prescription safety and support prescription claim processing.
- **CareConnect:** Secure, view-only Electronic Health Record (EHR) that delivers patient-centric information to support healthcare providers in their delivery of patient care.
- **Rapid Access to Consultative Expertise (RACE) line:** Pain is not listed as a specific speciality area, however, consider a RACE consult to a specialist if the pain is related to a specific speciality area. There is a provincial line for Addictions Medicine that can respond to questions related to co-occurring pain and opioid use disorder. Specialist Pain Clinics (Health Authority and Private clinics) can be found on Pathways.
- **Rural Coordination Centre of BC:** Real Time Virtual Support (RTVS) pathways enhance health equity in rural, remote, and First Nations communities across B.C. by connecting rural healthcare providers and patients to RTVS Virtual Physicians via Zoom or telephone. There are two types of pathways—those for healthcare providers, and those for patients. For support with myofascial pain: Quick Reply pathway for providers ([myoLIVE](#)) is available for rural and remote practitioners and clinicians who are challenged by a myofascial pain presentation.
- The **Centre for Effective Practice (CEP)**, is an excellent resource for primary care clinicians. There is a specific link to CNCP as well as mechanical back pain – [Clinically Organized Relevant Exam \(CORE\) Back Tool](#).
- **First Nations Health Authority – Wellness.** This website lists the framework and resources to achieve a healthy lifestyle are available.
- **WorkSafeBC Physician’s Hotline:** Call 1-855-476-3049 to speak with an agent about access to WorkSafeBC funded programs including the following: Occupational Rehabilitation (OR1 and 2); Pain and Medication Management Program (PMMP); Resiliency over perceived trauma (ROPT); Community Pain and Addiction Services (CPAS).
- **ICBC Claims:** Includes information and resources related to injuries from a car crash.
- **Pain BC:** has several resources to support patients and caregivers, education for health professionals caring for those with pain. Some resources include [Pain BC’s Live Plan Be](#), [Chronic Pain Road Map](#), support line.
- **Self-Management BC** is part of University of Victoria’s Institute on Aging & Lifelong Health and is supported by the Patients as Partners Initiative (Primary Care Division, B.C. Ministry of Health). It offers three peer-delivered chronic pain programs free to B.C. residents.

► Resources for Patients

- **Pain BC:** has several resources to support patients and caregivers, education for health professionals caring for those with pain. Some resources include [Pain BC’s Live Plan Be](#), [Chronic Pain Road Map](#), support line.
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HealthLinkBC offers resources on [Pain Control—Learn about pain control](#). At any time of the day or night, every day of the year, anyone can call 8-1-1 to be connected with a health service navigator. They provide health information, help navigate the health care system and find health services across the province, or connect with a registered nurse, registered dietitian, qualified exercise professional, or pharmacist. Registered nurses at HealthLink BC can help with non-emergency health concerns, to discuss symptoms and procedures, and to recommend whether a health care provider should be seen in person.

- **Kelty's Key** ("made in BC") also offers an excellent online resource for people with persistent pain.
- **Wellness Together Canada** basic wellness information, to one-on-one sessions with a counsellor, to participating in a community of support.
- **Work Wellness and Disability Prevention Institute** aims to share the latest research and information on work wellness and disability prevention.
- **Bounce Back** is a free on-line service produced by the Canadian Mental Health Association-CMHA, providing assistance for those with "depression, anxiety, stress and worry".
- **AnxietyBC/heretohelp** has resources to help people live well and better prevent and manage mental health and substance use problems.
- **Cognitive Behavioural Therapy (CBT) Skills** Groups are open to all BC residents with a valid Canadian health card number. The course is designed for adult patients (17.5 years and up) who want to learn practical tools to improve their mental health. All groups are facilitated by trained physicians.
- Cognitive Behavioral Therapy for Insomnia-CBTi, is a strategy for patients with insomnia. There are a number of practitioners and organizations that provide this service. A good initial resource from Dalhousie University is [MySleepWell](#).
- Several YouTube videos on pain are available including: [Explain pain in 5 minutes](#), [What is chronic pain?](#), [Why things hurt?](#), [Pain, Is it all in your mind?](#), [Treating Pain Using the Brain](#).
- **Self Management Apps**
 - **mySleepButton** – to put your mind in this sleep-inducing state
 - **MindShift** – anxiety management app
 - **Woebot** – app to support mental health
 - **Calm.com** – app for Sleep, Meditation and Relaxation
 - **Curable** – app for chronic pain self-care
 - **Curable app** – "an online pain psychology program. The entire program takes place online via a personal computer, tablet device, or smartphone and is delivered via a virtual pain coach."

► Appendices

[Appendix A: Overarching Considerations of Pain Management](#)

[Appendix B: Non-pharmacological Treatment Modalities for Pain](#)

[Appendix C: Allied Health Professionals to Support Pain Management](#)

This guideline is based on scientific evidence current as of effective date.

The guideline was developed by the Guidelines and Protocols Advisory Committee and adopted by the Medical Services Commission.

For more information about how BC Guidelines are developed, refer to the GPAC Handbook available at [BCGuidelines.ca: GPAC Handbook](http://BCGuidelines.ca:GPACHandbook).

THE GUIDELINES AND PROTOCOLS ADVISORY COMMITTEE

The principles of the Guidelines and Protocols Advisory Committee are to:

- encourage appropriate responses to common medical situations
- recommend actions that are sufficient and efficient, neither excessive nor deficient
- permit exceptions when justified by clinical circumstances

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Disclaimer

The Clinical Practice Guidelines (the "Guidelines") have been developed by the Guidelines and Protocols Advisory Committee on behalf of the Medical Services Commission. The Guidelines are intended to give an understanding of a clinical problem, and outline one or more preferred approaches to the investigation and management of the problem. The Guidelines are not intended as a substitute for the advice or professional judgment of a health care professional, nor are they intended to be the only approach to the management of clinical problem. **We cannot respond to patients or patient advocates requesting advice on issues related to medical conditions. If you need medical advice, please contact a health care professional.**



Appendix A: Overarching Considerations of Pain Management

► Communication and Relationship Building

Self-reflection and Learning

- Reflect on potential bias or stigma related to treating complex pain patients. Treating patients with complex pain is challenging and can be frustrating. Recognize your own triggers and be aware of one's own bias towards people in pain in general and specific patients in pain. Consider strategies for responding in a way that can create more successful relationships.
- Reflect on your current pain management practices and consider both new approaches and the reassessment of previous strategies that may have been less effective. Be conscious of slowing down, listening, and taking time with people with pain. The extra time needed at the start can decrease time in the future.
- Learn to maintain or set personal boundaries and be aware of extremes of therapeutic engagement. Maintaining a remote, non-reactive demeanour, or the opposite; an overtly engaged desire to eliminate all pain and suffering, may be an example of an approach that could influence management.
 - *Reflect* on the barriers preventing early referral.
 - *Reflect* on proactive measure for 'pre-pain' symptoms like stiffness, swelling, 'mild pain,' self-resolved but intermittent pain.
- Learn about pain science and new approaches to pain management
 - Refer to UBC CPD [Practice Support Program](#), [PainBC](#), [Pain BC – Pain Foundations Online course](#), and the [BC ECHO for chronic pain](#)

"You can't expect different results if you keep acting and reacting the same way"

Therapeutic Relationship

Supportive patient-provider relationships that are empathetic, culturally safe, promote positive expectations, and provide information in advance of procedures (e.g., what to expect and how to recover) may have a small but positive effect on acute pain.²⁰

A trauma-informed approach for all patients can be beneficial, regardless of their trauma history

- In this case, trauma is defined as the psychological effects of a life event (or events) that is/are out of an individual's control and overwhelms an individual's capacity to cope.^{21,22} As such, trauma refers to the psychological impact of events rather than to the acute physical trauma (e.g., car accident).
- The aim of trauma-informed practice recognizes the impact on health and uses a strengths-based approach to build a safe, trusting, and collaborative relationship between patient and provider.
- Consider reframing your perspective. Practitioners who apply a trauma-informed approach may find it helpful to think *'What happened to you?'* when reflecting on complex, challenging patients instead of *'What's wrong with you?'*
- Refer to [BC Trauma-Informed Practice Guide](#) for more information about trauma-informed practice. The learning module addresses strategies primary care providers can use to identify patients who have been impacted by trauma, to provide additional support, and to help patients build resilience.
- Recognize the patient as an expert in their pain. Consider a person-centred approach to empower patients.
- Focus on actively listening to and validating the patient's experience of pain.
- Use evidence-informed tools to assess the level of suffering and disability that the patient with pain is experiencing.
- Engage the patient in shared decision making and work together to integrate the values, goals, and concerns of the patient with the best available evidence about the benefits, risks of the treatment and/or care. The objective advice and expertise of the practitioner and the preferences of the patients should work in a complimentary manner to achieve an optimal decision to decrease suffering, improve function, and general wellbeing.

- Collaboratively support patient with pain’s choice in their self-management strategies, while at the same time prescribe safely to minimize adverse events.

Team Based Care

- Pain management benefits from a multimodal approach (receiving multiple interventions at the same time e.g., yoga, physiotherapy, occupational therapy, counselling, medication).
- Get to know pain practitioners in your local community who have training in the management of people with pain and build a network of resources, including low and no cost options and awareness of financial supports. Consider connecting with providers whom the patient has identified as part of their care team or recommend a local practitioner from your network. We acknowledge that access to care may be limited by geography and resources.
- Team members may include pharmacists, physiotherapists, massage therapists, acupuncturists, chiropractors, osteopaths, occupational therapists, counsellors, social workers, lifestyle coaches, support for substance use and mental health, psychologists, cognitive behavioural therapists, Indigenous cultural and wellness supports, dietitians and qualified exercise professionals. Team members can also be your own office staff, who may assist with assessment using various tools such as the brief pain inventory and the pain disability index. This can make this complex and sometimes challenging care more manageable.
- Refer to [HealthLink BC](#) (8-1-1), [Pathways](#), or [Pain BC](#) for information on local practitioners and resources. Check the scope of the organization to ensure proper referral. At any time of the day or night, every day of the year, anyone can call 8-1-1 to be connected with a health service navigator. They provide health information, help navigate the health care system and find health services across the province, or connect with a registered nurse, registered dietitian, qualified exercise professional, or pharmacist. Registered nurses at HealthLink BC can help with non-emergency health concerns, to discuss symptoms and procedures, and to recommend whether a health care provider should be seen in person. [Pain BC support line](#) can help identify local pain providers including practitioners who can provide guidance and support for self-management.
- Involve caregiver/family members as part of the team for frail older adults in pain, particularly if there is cognitive impairment present.

Safety

- All modalities in a comprehensive plan for managing pain should be assessed from a safety perspective for the patient, practitioner, and the community at large. There may be some uncertainty about how clinicians navigate BCMQI and CPSBC standards, published guidelines, patient demands, family and caregiver concerns, as well as manage their own personal views and bias. As always, document your decisions and rationale well, especially if there is some deviation from College standards or established guidelines, or there are unique patient/family factors that contributed to your course of action.
- Communication on the importance of safety is crucial when we have difficult discussions with patients.
- The most obvious safety issue is around medications, especially opioids. Initiating and changing doses, length of prescriptions, tapering doses, and dealing with (for example) unexpected urine drug tests, are all potential conflict points where an initial comment such as “I want this to be safe for you/me/our community”, will reset the conversation to one involving safety.

Patient Safety	Practitioner Safety	Community Safety
<ul style="list-style-type: none"> • Safe prescribing principles • Trauma-informed care • Culturally appropriate care • Stigma reduction • Access to appropriate pain management in a timely manner • Minimize/mitigate risk of dependence and overdose • Harm reduction strategies • Financial considerations of treatment • Physical safety (e.g., drowsiness) 	<ul style="list-style-type: none"> • Safe prescribing principles • Avoiding burnout and feeling of being pressured • Creating a care team and minimizing narrow silos of care • Managing expectations of College and Health Authority • Litigation protection • Document well • Reflective practice and learning 	<ul style="list-style-type: none"> • Safe prescribing principles • Reduce risk of diversion or overuse of community resources • Reduce risk to immediate family and caregivers • Consider social impacts on employment, housing and social networks. • Assess risk of involvement with police and/or the legal system



Appendix B: Non-pharmacological Treatment Modalities for Pain

Lifestyle Interventions and Strategies²³

A good overall management tool for non-pharmacological management can be found at the [CEP Management of Chronic Non-Cancer Pain: Non-Pharmacological Therapies](#).

Nutritional Support

- Nutrition plays a key role in fighting infection, healing, managing chronic conditions that involve pain, and optimizing overall health and well-being.^{24,25} The evidence base for therapeutic diets varies depending on the condition.
- Emerging research suggests an association between some chronic pain conditions such as fibromyalgia and a disordered gut “microbiome” (the totality of microorganisms including bacteria, viruses, protozoa and fungi). Understanding of the role of gut microbiota in pain is still in the early stages with varying levels of support, though emerging evidence suggests that dysregulation of gut microbiota participates in visceral pain, inflammatory pain, neuropathic pain, migraine and opioid tolerance.²⁶
- Consider the impact of acute and chronic pain on the patient’s ability to plan, shop for, and prepare healthy meals. Pain can also impact appetite, dietary intake, and nutritional status.
- Registered Dietitians at HealthLink BC (8-1-1) offer nutrition assessments, advice and guidance, counselling, care plans and therapeutic diets care coordination.

Sleep

There is increasing evidence that pain and sleep have a bidirectional relationship. Poor sleep commonly occurs in those with chronic pain and may in turn lead to additional fatigue and exacerbate pain.²⁷ both non-pharmacological and pharmacological interventions can help those with pain obtain a better sleep.^{8,27} When appropriate, assess for obstructive sleep apnea. The Centre for Effective Practice (CEP) has a well-resourced and pragmatic tool for primary care clinicians to assist patients with chronic insomnia. [cep.health/clinical-products/insomnia-management-of-chronic-insomnia-tool/](#) “Say Good Night to Insomnia” by Dr. Gregg Jacobs is an excellent patient resource for a drug free approach to chronic insomnia.

Breath

Pain, especially acute pain, can cause breath holding and hyperventilation which may accentuate the pain. More consideration is now being given to the importance of “breath work” as an integral component of self-management of pain.^{28,29} While the exact mechanism is not well understood, the effect of “paced slow deep breathing” on vagal nerve stimulation may contribute to modulating pain as well as improving the V/Q match and improving oxygenation. See [Resources: Resources for Patients](#) for breathing techniques and integration with meditation and yoga practices.

The Victoria Hospice Society has an excellent pdf summary of breathing and relaxation techniques. ([victoriahospice.org/wp-content/uploads/2019/07/26188-vichospice_relax_bro_sept14](#))

Mindfulness-Based Interventions

- Mindfulness meditation is demonstrated to work by paying attention, on purpose, in the present moment and non-judgementally, and increasing awareness of one’s external surroundings and inner sensations, allowing the individual to step back and reframe experiences.³⁰ Clinical use of mindfulness has included applications in substance use disorders, tobacco cessation, stress reduction, and treatment of chronic pain.³⁰ The goal of this approach is to reduce pain, increase functioning and improve the quality of life, by empowering the patient with skills to live a productive life despite the presence of discomfort or disability.
- Multiple reviews of mindfulness interventions suggest there are varying levels of evidence evaluating different outcomes.^{30,31}

- Refer to Pain Education material on [Pain BC's Live Plan Be](#) or the [Toronto Academic Pain Medicine Institute](#) for information on mind-body therapies and techniques.
- Specific therapeutic approaches such as Cognitive Behavioral Therapy (CBT) and Acceptance and Commitment Therapy (ACT) are good options to consider for some patients.

Physical Activity and Therapeutic Movement

- Recent systematic reviews suggest physical activity alone can decrease severity of pain and improve physical function in adults with chronic non-cancer pain.³² Physical activity can improve symptoms of stiffness³³, fatigue³⁴, health-related fitness³³, and/or quality of life^{34,35} in those with fibromyalgia and depression as well as self-efficacy and social function for patients with chronic hip and knee pain from osteoarthritis.³⁶
- The main goal is restoration of movement and activity. There is no optimal type of physical activity for chronic pain³⁷ and interventions should be individualized.
- Spending time in nature has a wide range of positive effects on human health. A B.C. specific program in conjunction with BC Parks Foundation called [PaRx](#) encourages clinicians to formally prescribe time in nature.
- Consider referring to allied health care providers, especially those with expertise in exercise prescription for chronic pain conditions, for customized, supervised, physical activity programs tailored to individuals' health status and goals and physical activity levels and preferences.



Appendix C: Allied Health Professionals to Support Pain Management

The following is a summary of allied health professionals and evidenced-based approaches. Evidence summaries, tools, resources for practitioners and patients are available in [CADTH: Non-Drug Ways to Manage Chronic Pain](#) and [Agency for Healthcare Research and Quality: Non-invasive Nonpharmacological Treatment for Chronic Pain](#).

- **Acupuncture or TENS:** Evidence for reducing pain, mitigate withdrawal side effects.³⁸⁻⁴⁰ Acupuncture may be beneficial in certain conditions⁴¹ as well as other Traditional Chinese Medicine techniques, including cupping and massage.
- **Chiropractic Services:** Pain related to musculoskeletal and axial pathology (both acute and chronic) may respond to chiropractic treatment.
- **Occupational Therapy:** Referral highly recommended when a patient's function in daily activities is disrupted by pain (e.g., the ability to take care of themselves, family/home responsibilities, work, school, etc).
- **Physiotherapy:** For active acute musculoskeletal type injuries; some physiotherapists may have skills at managing chronic pain. Evidence for an activity/exercise plan. Passive modalities i.e., hot compresses and use of TENS machines can complement and not replace the mobility programs. Active Release Therapy (ART), and targeted manipulation are two of common techniques that manual therapists may utilize for reducing pain and increasing joint mobility.
- **Registered Massage Therapy:** Help in desensitizing affected areas and helping to restore and/or maintain optimum movement and function.
- **Osteopathic Therapy:** Osteopathy follows the principle that there is a strong relationship between structure and function of the body. As the body possesses its own self-healing mechanisms; manual osteopathy aids these mechanisms by using techniques to restore the body to harmony with the aim of relieving pain and improving mobility.
- **Psychological Services:** Patients with chronic pain very often have depression and anxiety. Useful for improved self-management, goal setting, sleep hygiene; specific approaches including CBT and ACT, PTSD counselling, mindfulness and biofeedback. Consider when chronic pain has other variables such as relationship instability, financial and work insecurity, past traumas, or other medical co-morbidities. Eye Movement Desensitization and Reprocessing (EMDR) therapy has shown promise especially in patients with PTSD or past trauma.
- **Social Work:** Provide a safe supportive environment to deal with issues such as work impacts, personal and social relationships, accessing benefits, drug and alcohol misuse and cultural perspectives.
- **Traditional Healers:** For many Indigenous people and others from different cultural backgrounds, the continuity of their community culture and the inclusion of traditional healing will add a layer of support to the management of pain. This is rarely an either/or decision, rather an exploration of ways to complement the on-going plan. This may already be going on "in the background" if the patient is unsure of the reaction of other caregivers, so ask about what resources are available through their own Indigenous/cultural community.