

Non-Pharmacological Pain Management

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PAIN in Nursing Home Residents

- Prior studies estimate that >40% of long-stay nursing home (NH) residents experience persistent pain
- Pain medication in the elderly population has increased risk of unwanted side effects
- Non-pharmacological pain management can be effective way to help to manage pain without side effects
- Pain Assessment
- Pain Management Plan (Pain Care Plan)





Definition of Pain

- Unpleasant sensory and emotional experience that can be acute, recurrent, or persistent
 - Acute pain
 - Chronic pain
- Not part of normal aging
- Resident report of pain is the best indicator of pain
 - Recognize many residents do not or cannot report pain



Conditions That Cause Chronic Pain

- 80% of residents have some condition that can be associated with pain
- Common causes/underlying disease
 - Musculoskeletal
 - Neurologic conditions
 - Medications
 - Diabetes





Adverse Effects of Pain

- Depression/anxiety
- Decreased mobility/functional impairment
- Agitation/aggression
- Sleep disturbance
- Weight loss





Adverse Effects of Unrelieved Pain

- Functional decline
 - Decline in activities of daily living (ADLs)
 - Increased risk of falls
- Immobility
 - Contractures
 - Skin breakdown
 - Incontinence
 - Deconditioning
- Quality of life
 - Depression/anxiety/sleep disturbance
 - Lack of activity
 - Behavior problems







When to Do a Pain Assessment

- Admission/readmission
- Change in condition
- Minimum Data Set (MDS)
- At least quarterly
- At least daily for residents with a known painful condition
- Before and after administration of asneeded analgesic medication





Pain Management: Who is Responsible?

- Nursing staff
- Rehabilitative staff
- Practitioners
- Dietician
- Social workers
- Pharmacists
- Administration
- Residents and responsible parties





Pain Assessment Tools

- Numeric Rating Scale (NRS),
- Faces Pain Scale-Revised (FPS-R)
- Verbal Descriptor Scale (VDS)
- Pain Assessment in Advanced Dementia (PAINAD)



Pain Management Care Plan

- Address and treat underlying cause or causes
- Develop treatment plan based on whether pain is episodic, continuous or both (prn vs standing orders)
- Treatment plan/interventions are based on:
 - Resident's needs and goals
 - The source, type of pain, severity, and potential for multiple sources
- A variety of treatments may need to be tried (multiple modalities may be needed)
- Develop care plan with specific goals (i.e. pain will be maintained at a level of 3 or less on the pain scale within 2 weeks over 75% of the time)
- Continue to reassess/evaluate if the residents pain level is controlled according to the plan and revise the care plan as needed



Non-Pharmacological Interventions

- Any intervention that is not pain medication
- May combine non-pharmacological with pharmacologic (might allow for lower potency/dosing)
- Research has shown that non-pharmacological treatments for pain can be very effective and can at times work so well that a pain medication will not be needed
- When deciding which non-pharmacological approaches to implement, take into account the source of the individual resident's pain and their preferences



Environmental-Based Interventions

- Lighting alterations
- Warm blanket
- Adjusting the bed/pillows
- Activities (crafts, puzzles, books)
- Music, art, drama therapy
- Cup of tea
- Encourage visitors





Physical Interventions

- Physical and occupational therapy
- Positioning (braces, splints, wedges)
- Neurostimulation (acupuncture, transcutaneous electrical nerve stimulation)
- Massage
- Chiropractic treatments (spinal manipulation)
- Exercise (walking)
- Yoga
- Warm bath
- Heat/cold/compression





Behavioral/Cognitive Interventions

- Meditation techniques with mindfulness-based stress reduction (MBSR)
- Progressive muscle relaxation
- Spiritual counseling
- Psychological counseling
- Relaxation techniques
- Aroma therapy
- Biofeedback
- Peer support groups





Education on Non-Pharmacological Interventions

- Provide adequate training on the interventions for members of the health care team
- Ensure that residents and their families receive sufficient education on the selected interventions
- The goals of resident education should be to understand:
 - The extent of pain relief expected
 - The frequency in which the treatment should be implemented
 - The potential side effects expected with each treatment
- Providing this knowledge will help to ensure ongoing treatment and reduce frustration from the potential over-expectation of treatment outcomes



Study: Noninvasive Nonpharmacological Treatment for Chronic Pain

- Agency for Healthcare Research and Quality (AHRQ)
- Systemic Review update conducted through June 2022





Study Findings

- Interventions that improved function and/or pain for ≥1 month:
 - Low back pain: Exercise, psychological therapy, spinal manipulation, low-level laser therapy, massage, mindfulness-based stress reduction, yoga, acupuncture, multidisciplinary rehabilitation (MDR)
 - Neck pain: Exercise, low-level laser, mind-body practices, massage, acupuncture
 - Knee osteoarthritis: Exercise, cognitive behavioral therapy (CBT)
 - Hip osteoarthritis: Exercise, manual therapies
 - Fibromyalgia: Exercise, CBT, myofascial release massage, mindfulness practices, tai chi, qigong, acupuncture, MDR
 - Tension headache: Spinal manipulation
- Serious harms were not observed with the interventions



In Conclusion

- Non-pharmacological pain interventions have been shown to help relieve pain in residents and may decrease the use of pain medication and unwanted side effects
- Important to do a Pain Assessment
- Pain Management Care Plan
- Incorporate non-pharmacological pain interventions
- Educate residents/staff on interventions
- Ongoing evaluation of pain and revise care plan as needed



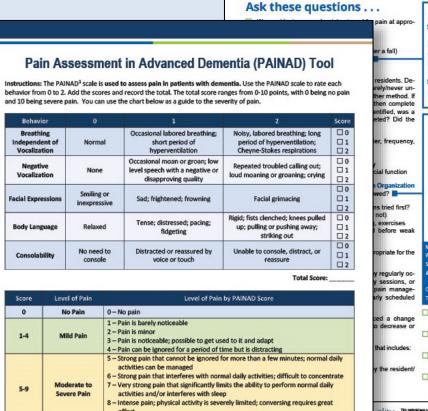
Resources

- Pain Assessment in Advanced
 Dementia (PAINAD) Tool
- Pain in Long-Term Stay Patients

Downloads available at qualityinsights.org/qin/resources

Pain in Long-Term Stay Patients

Questions and tips to manage pain and reduce opioid use



¹ Victoria Warden, RN; Ann C. Hurley, RN, DNSc, FAAN; Ladislav Volicer, MD, PhD, FAAN. "Development and Psychometric Evaluation of the Pain Assessment in Advanced Dementia (PAIAA) Scale." Journal of the American Medical Directors Association 4, no. 1 (Jan-Feb 2003); 9-15. https://www.sciencedirect.com/science/article/abis/01/S1519860004970583



9 - Excruciating pain; unable to converse; uncontrolled crying out and/or moaning

	MDS Coding Relati	ng to Pain	Managemen
- 1	Section 1		

Section 3

Received scheduled pain medication regime

Received PRN pain medications OR was offered and declined

Received non-medication intervention for pain

Pain assessment interview OR staff assessment for pain

 Remember that these questions are a 5-day lookback from your ARD section O

Number of days received an opioid

lete Remember that this is a 7-day lookback from your ARD



Non-opicids (bugnifer or other NSAID, persoctamal (acclaminopheri), or expining the properties of the

ijurvants artidepressert, artisonavisant, artispasmotic, muscle relaxant, bisphosphonate, or corticosteroid ortibring an opicid and non-opicid is effective, but do not combine drugs of same class

Time doses based on drug hel-He (face by the docid), do not walf for pain to recur.

Is the resident being monitored for actual/potential side effects of prescribed analogs ia?

effects of prescribed analgesia?

Is the resident's pain management/regime evaluated to

determine effectiveness on a regular basis?

If resident's pain management/regime was not effective.

If resident's pain management/regime was not effective, was the physician updated?

If resident anticipates being discharged to home with orders to continue analgesia, especially narcotics/opioids, was education provided?

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