

Disclosure

I have no relevant financial relationships with ineligible companies or conflicts of interest to disclose.

This presentation will discuss off label uses of buprenorphine products.

Learning Objectives

Describe Palliative Care and its importance in the healthcare system and caring for older adults

Recognize the physiologic changes that occur with aging and how those impact pain and symptom management

Define the concept of "total pain" and the importance of whole person care in pain and symptom management

Summarize the role of the pharmacist in total pain management in the older adult

What is Palliative Care and What are the Benefits?

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Defining Palliative Care

- "Palliative care is specialized medical care for people with serious illnesses. This type of care is focused on providing patients with relief from the symptoms, pain, and stress of a serious illness, whatever the diagnosis. The goal is to improve quality of life for both the patient and the family."
- Palliative care is appropriate at any age and at any stage in a serious illness and can be provided together with curative treatment.

ttps://www.capc.org/about/palliative-car

Prevalence

- At least 12 million adults and 400,000 children in the United States are living with a serious illness, including metastatic cancer, advanced dementia, heart failure, lung disease, and congenital illnesses
- Number of older patients and those with serious illness expected to increase significantly over the next two decades
 - Heart disease, lung disease, cancer, stroke, CKD, liver disease, HIV/AIDs, ALS, MS, Parkinson's and Alzheimer's dementia and more...

Hayes SL, et al. Issue Brief (Common Fund). 2016 Aug;26:10.
Institute of Medicine Committee on Palliative and End-of Life. Washington, DC: National Academies Press;101
U.S. Department of Health and Human Services, Administration for Community Living, Published September;201

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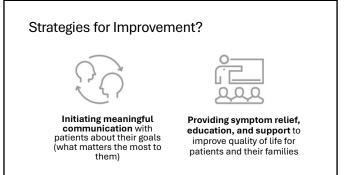
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Impact of Serious Illness

- People living with serious illness make up the 5% of patients driving <u>over half</u> of all health care spending
- Disproportionate users of 911 calls, recurring emergency department (ED) visits, hospitalizations, and skilled nursing facility admissions
- Higher symptom burden, lower quality of life
- Despite high utilization of crisis care and high spending, this
 population often receives low-value, distressing, service from
 our health care system

Teno JM, Clarridge BR, Casey V, et al. JAMA. 2004;291(1):88-

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Studies consistently show improvements in both quality measures and resource utilization after palliative care is introduced Focuses on the highest-need, highest-cost patients PALLIATIVE CARE REDUCES AVOIDABLE SPENDING AND UTILIZATION IN ALL SETTINGS PARTICIPATION OF TRANSPORT OF THE PROPERTY OF TH

Financial Impact of Hospital Palliative Care

• Robust palliative care services lead to strong financial performance across many parameters including reduction of variable costs per day.

AVERAGE

CANCER

4+ DIAGNOSES

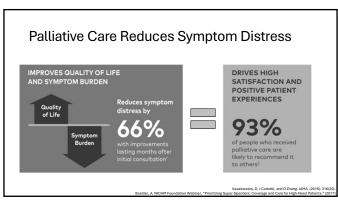
\$4,865

per odmission

May P. Romand C., stal. JAMA Intern Med. 2016; 178(9): 250-283.

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WHAT IS IT? Preliminary discussions regarding a person's values and goals of medical care Comprehensive assessment of pain and non-pain symptoms and first line symptom management Assessment of patient/caregiver needs and initial attempts to fill appa in care WHO DOES IT? Any individual healthcare provider or healthcare team who encounters patients with serious illness Can be performed at any patient encounter Typically, no formal palliative care training or board certifications WHO DOES IT? An individual healthcare provider or healthcare team who encounters patients with serious illness Typically, no formal palliative care training or board certifications An interdisciplinary and collaborative team comprised of those with advanced training, degrees, board certifications and clinical experience Typically, requires a consult/referral from a provider already involved in the patient's care



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Value of Community Based Palliative Care

- Research shows community-based palliative care "results in more compassionate, affordable, and sustainable high-quality
- Starts with assessing and meeting the needs of both the patient and the family, it yields unique value for health care organizations
 - Reducing ED utilization
 - · Reducing utilization of acute care hospital services
 - Reducing CMS penalties
 - · Improving organizations reputation
 - Improving the overall healthcare experience

CAPC Survey of Community Palliative Care

- In 2019 CAPC released results of a three-year mapping project to identify community-based palliative care programs nationwide
- Identified more than 3,100 sites of community-based palliative care delivery across the country, provided by 890 programs
- Highlights that a growing number of hospitals, health systems, and community-based provider organizations understand the value case for community-based palliative care

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International Association for the Study of Pain (IASP) definition:

"An unpleasant sensory and emotional experience associated with, or resembling that associated with, actual or potential tissue damage"

· A survival mechanism

Pain Definition

- $\bullet\,$ Signal from the CNS that something is wrong
- Pain is always subjective
- Personal application of the word 'pain' through life experiences
- Unpleasantness of pain is what makes it an innately emotional experience
- Pain experience distinguished from noxious stimulation due to subjectivity

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Pain Background and Prevalence

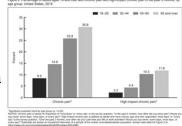
"One of the most common reasons adults seek medical care..."

National Health Interview Survey (NHIS) 2019-2021 in the US

- 20.9% (51.6 million) adults had chronic pain
- 6.9% (17.1 million) adults had high-impact chronic pain
- Higher prevalences of both associated with advancing age
- Higher prevalence of high-impact chronic pain in adults with lower socioeconomic status

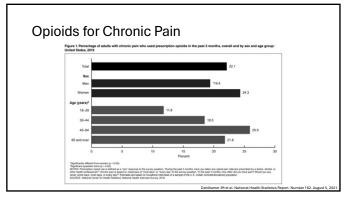
Impact of Chronic Pain

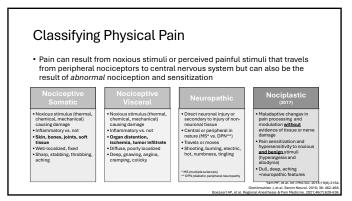
- \$560 billion each year in direct medical costs, lost productivity, and disability programs related to chronic
- Associated with significant suffering, disability, social isolation
 - · Greater negative impact on older adults?



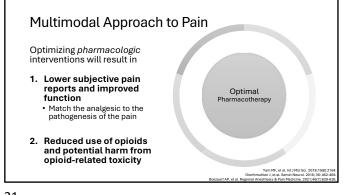
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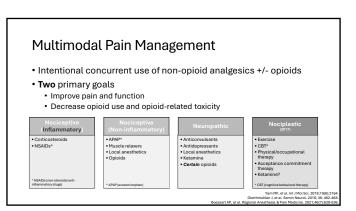
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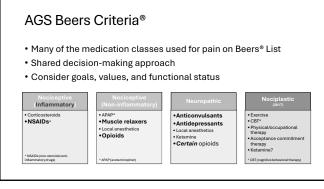


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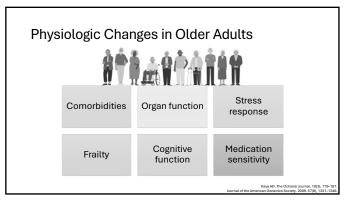


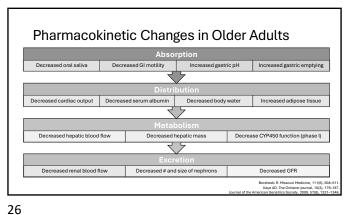
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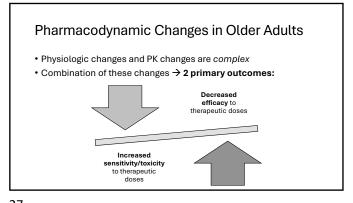


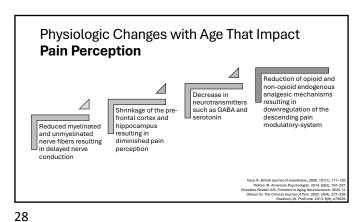
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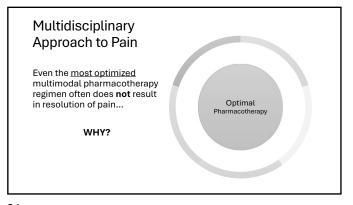
Changes with Age That Impact **Pain Manifestation and Reporting**

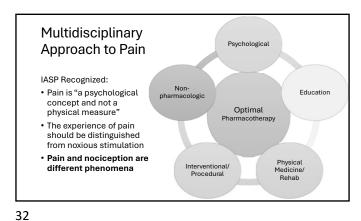
- Pain may manifest differently in an older adult
 - Agitation, delirium, insomnia, irritability
- Cognitive and speech impairments increase the likelihood that an older adult may not be able to adequately express their pain
- · Non-verbal indicators of pain
 - Grimacing, depression, abnormal body movements, vital sign changes, aggressive behavior, altered sleep or PO intake

Testman J. Today's Geriatric Medicine. 201 Achterberg WP, Clinical interventions in aging, 2013. 8, 1471–148



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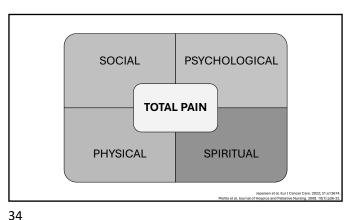




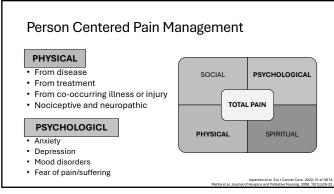
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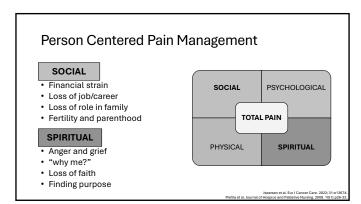
A concept that describes the total suffering that a person experiences when they are dealing with serious illness

Perception of pain can be influenced by various factors
Physical, social, psychological, spiritual/existential
Often occurs in fluctuating patterns
Requires a multidimensional approach
Age is an integral part of pain perception and experience



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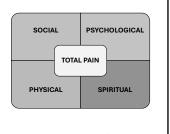




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Consequence of Total Pain

- · Suffering in any of these categories can present as a patient complaint of worsening physical pain
- · Traditional analgesics do not treat non-physical pain
- Opioids may unintentionally exacerbate certain pain stressors



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Home Med List

- Metformin 1000 mg BID
- Rosuvastatin 5 mg QAM
- · Esomeprazole 40 mg daily
- Famotidine 20 mg BID PRN
- Ibuprofen 200-400 mg Q6H PRN mild pain
- Ondansetron ODT 4 mg TID PRN nausea/vomiting
- Prochlorperazine 5 mg Q6H PRN nausea/vomiting, alt. w/ ondansetron
- Lorazepam 1 mg QHS PRN sleep
- Oxycodone ER 20 mg BID
- Oxycodone IR 5 mg Q4H PRN breakthrough, severe pain

Initial Assessment

completion of cycle 4.

Patient Case Example

• DO is a 76-year-old F with recurrent endometrial cancer with

abdominal pain resulting in her feeling unable to and uninterested in doing things. Functional status has declined over

the last 3 months. Denies fever, chills, nausea/vomiting,

• She is currently on 3rd line treatment with pembrolizumab,

completed cycle 2, with next scans scheduled to occur after

constipation, shortness of breath or chest pain.

known metastases to the liver. Presents to oncology clinic with

complaints of worsening fatigue, lack of energy, and increased

- Because of DO's complaints of pain and fatigue, most of the visit was focused on these. DO reports the following:
 Generally tired, lack of energy, disinterest in most things

 - Irritated that family (she lives in an in-law suite at her daughter and son-in-law's home, with them and 2 grandchildren) won't give her any alone time, they insist on waiting on her hand and foot
 - Pain mostly in abdomen, constant, and occasionally severe (consistent with previous pain reports)

 Describes pain as constant, aching, deep, localized to lower abdomen and pelvic
 - area. Denies radiation to other areas
 - Feels the pain regimen is not adequately controlling her pain and she is having difficulty sleeping
 - Taking PRN oxycodone every 4 hours around the clock, setting alarms for

Initial Assessment and Plan

- · Oncology team does not suspect any acute process is occurring, and it is not yet time to complete scans to assess efficacy of immunotherapy.
- Patient is counseled that cancer treatments can be 'draining' especially for older patients, and she should attempt to rest when feeling fatigued.
- DO is encouraged by team that once they increase her pain regimen, she will sleep better, and her fatigue will also improve.
- · Pain regimen is adjusted:
 - · Take ibuprofen scheduled, around the clock rather than PRN
 - · Increase oxycodone ER to 30 mg BID
 - Increase oxycodone IR to 10 mg Q4H PRN breakthrough, severe pain

Follow Up by Patient

• One week later, DO calls the office and reports:

"I've been trying this new pain regimen for a full week, and I don't feel any improvement in pain. The increased doses of oxycodone have not helped at all, and I haven't missed any doses. I still can't seem to sleep at night, I take the lorazepam like I'm supposed to, and I just lay awake hurting"

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Audience Response Question

What do you think is going on with DO?

- A. Patient must be lying, oxycodone ER and IR doses were increased by 50% and 100% respectively, patient must be exaggerating severity of her pain. Tell her to give it more time, it should be helping.
- B. Pain appears not responsive to opioids, there must be some neuropathic pain that is happening. Start gabapentin 100 mg TID.
- C. Everything appears worse because she is not sleeping consistently. Tell her once she gets a good night's sleep, pain should be better. Increase her Lorazepam to 2 mg QHS.
- D. There are likely total pain components contributing to her symptom reports, further assessment is needed to determine best course of action.

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Upon Further Assessment...

- She is devastated about the recurrence of her cancer, feeling constantly sad or numb, but wants to "be strong" for her family so she doesn't say anything
- She knows the likely outcome of recurrent, stage 4 disease, but everyone around her keeps telling her "it will all be okay, keep fighting"
- She lost her independence as the matriarch of the family and is left feeling useless, like a burden to everyone
- She is worried that her disease is worse than the doctors are making it sound like. The treatment probably won't work... it didn't work last time.

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Upon Further Assessment...

- She is fearful of suffering and having poorly controlled pain. Every time her cancer has gotten worse, so has the pain.
- She worries constantly about what is going to happen to her family after she dies. Will they be okay? Will they move on without her?
 Will they forget about her?
- She really wishes she would get to see her grand-daughter graduate next June but knows she's unlikely to live that long.
- She can't remember ever completing a living will. Is it too late to do that? Would it make a difference?

Key Observations



- Patients will not always offer what is not asked about
- Non-physical suffering manifests as reported physical symptoms
- Medications are not always the answer
- Medications may be helpful, if you have a good understanding of what the underlying cause is
- Medication adjustments with no effect should not be continued
- Address the non-physical things that you can
- Ensure appropriate supports are in place
- Encourage open discussion with family/friends, offer to assist

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Pharmacists Role

- Regardless of practice setting, pharmacists have an extensive role in caring for patients that experience pain
- Regular communication with patients and providers
- Most regularly accessible health care provider to provide education and counseling
 - Medication education/counseling
 - Non-pharmacologic and OTC recommendations
 - Total pain/suffering education (non-physical)
 - Education regarding community based palliative care when appropriate

How Pharmacists Can Help

- · Have an inquisitive (non-judgmental) attitude
- Apply some primary palliative care skills
- Ask clinical questions to ensure appropriate pharmacotherapy
 - Are their drug interactions that could result in negative outcomes?
 - What is the perceived efficacy and toxicity of a therapy?
 - When does risk of harm seems to outweigh benefit?
 - What if new meds/dose changes do not correlate with expected effect?
- Continuity of care between patient and provider

Murphy L. The Role of the Pharmacist in the Care of Patients with Chronic Pain. Integrated Pharmacy Research and Practice. 2021. 10, 33-

Summary

Palliative care techniques/strategies are designed to identify and target specific areas of pain/suffering (beyond the physical)

Palliative care drives high patient satisfaction and positive patient experiences due to decreased symptom distress and increased QoL

Poor pain control has significant negative impacts on quality of life and is directly linked to increased health care costs

Patients require individualized, comprehensive assessments and **patient centered treatment plans** that encompass the totality of the pain experience

Pharmacists play a pivotal role in the management of pain in the older adult population through regular, direct engagement, recommendations, education and counseling

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