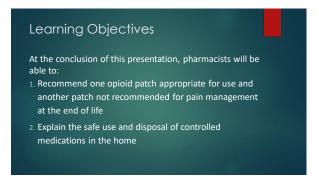




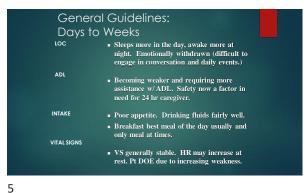
2



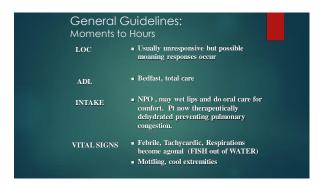
Number of deaths for leading causes of death Heart disease: 695,547 Cancer: 605.213 Causes • COVID-19: 416,893 · Accidents (unintentional injuries): 224,935 of Death Stroke (cerebrovascular diseases): 162,890 Chronic lower respiratory diseases: 142,342 in USA Alzheimer's disease: 119,399 Diabetes: 103,294 Chronic liver disease and cirrhosis: 56,585 · Nephritis, nephrotic syndrome, and nephrosis: 54,358 Source: Mortality in the United States, 2021, data table for figure 4

4

3



General Guidelines:		
Hours to Days		
LOC	 Somnolent, forgetful, and/or confused. Emotional withdrawal, possible near-death awareness and restlessness 	
ADL	Bedfast usually but can sometimes still get up to BSC w/ assist. Total assist w/ bath and ambulation. May be incontinent or have urinary retention.	
INTAKE	■ Usually not eating solids. Occasional soft or liquids tolerated. Becoming dehydrated.	ю.
VITAL SIGNS	Febrile, Tachycardic, Cheyne-Stokes resp. pattern when asleep. May have peripheral edema and/or pulmonary congestion.	





8 7



10



Psychological Component Anxiety and depression frequently accompany pain, and addressing this is pivotal to alleviating "total pain." Apart from physical noxious stimuli, other factors that can affect individuals at the end of life, as elucidated by the concept of total pain, include emotional discomfort, interpersonal conflicts, and the nonacceptance of one's own death. The emotional discomfort and interpersonal conflicts go hand in hand in causing suffering at the end of life. Offer social work and chaplain support.

11 12



CII Law & Hospice

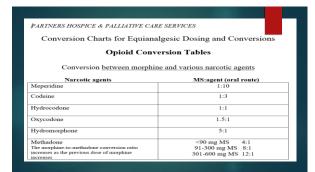
CS 1306.11 A signed prescription for a Schedule II substance for a patient enrolled in a baspice care program can be faxed to the pharmacy.

CS 1306.13. CII partial fits allowed for hospice "terminally III" politient

For each partial filling, the dispensing pharmacist shift record on the back of the prescription for an another appropriate record, uniformy maintained, and reddity retrievable) the date of the partial filling, quantity dispensed, and the identification of the designenced and the identification of the dispensing pharmacist.

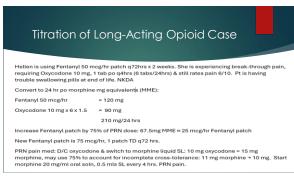
CII Rx is valid for a period of 60 days from the date of issue

13 14



Ratio for converting between oral and parenteral dosing within a single narcotic agent Drug Oral Parenteral Morphine 3 1 Meperidine 3 1 Methadone 2 (acute) or 1 (chronic) 1 Hydromorphone 5

15 16





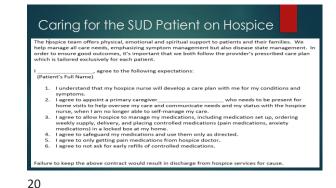
17 18

Acute on Chronic Pain Case

Sam is a 79 yo man on hospice with prostate cancer with bone mets. His wife calls to report that Sam fell in the bathroom and is in significant pain. On arrival, Sam lying on the bathroom floor with a pillow under his head, left hip and leg causing 10/10 pain. A large hematoman noted on left hip. No obvious signs of breakage on exam. He has been taking Hydrocodone/APAP 7.5/325 mg. I tab four times daily with good pain control prior to fall. NKDA. P thas liquid morphine 20 mg/ml oral soln per standing orders (0.125-1 ml po'sl every 2 hrs PRN pain) in home too. Wife gave him a Hydrocodone/APAP prior to your arrival about 50 min ago.

- 1. Which opioid would you give next and why? Now or need to wait?
- $2. \hspace{0.5cm} \textbf{When to reassess? Next dose if pain still not $<4/10?}$
- 3. What side effects would you monitor/educate family about with repetitive doses needed?
- 4. Once effective dose is calculated, should pt be on scheduled or PRN dose only?

19



Storage

Room temp or refrigeration?

Lock box, medisets, old vs current medication bottles

Out of sight of others & out of reach of children & pets

Disposed

Hospica DEA regulation: nurse can assist patient/family member in washing medications at time of death or if medication has capital.

P callents encouraged to waste unused medications when no longer needed.

Waste in the home preferred

Contage gounds, kifty littler or other household waste in ziplock bog — landfill

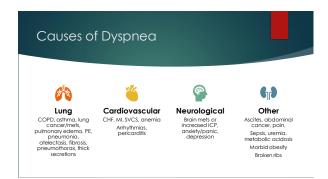
Drug a disposal products (e.g., Deterration, DisposeRx, Bernentis MDS)

A void full fullning down sink or foilet

P rivolds information on local drop-off locations and/or take-book events.

21 22





23 24





25 26



Secretions & Death Rattle Moaning/grunting: tongue relaxes in airway (25% of pts) Causes a rattling or gurgling respiratory noise, due to a
patient's inability to cough effectively or to swallow and clear
secretions from oropharynx. secterions iron olopitalytis.

Decurs in lost hours to days of life (35% of pts)

Likely to occur in heart failure, pneumonia, brain and lung cancers or prolonged dying phase.

Distressing for some family members and staff, Patient has impaired consciousness, so impact is unclear. A differential diagnosis: cardiac failure, respiratory infections or gastro-intestinal obstruction.

28



Medication Options Medication Starting Dose Route Frequency Max dose/24 Onset hours Glycopyrrolate 0.2 mg IV, SQ Q4-8 hrs PRN 4 doses 1 min ~ 8 hours (24 Scopolamine 1 mg/3 days Topical Every 72 hours 1 patch (Hyoscine HBr) h to steady state) Q3hrs PRN Hyoscyamine 0.125 mg PO/SL 30 min (Levsin) 0.5 mg SQ, IV Q4hrs PRN 3 mg 1 min Atropine Atropine ophthalmic 2 drops O3hrs PRN SI 15 min soln.

29 30





31 3.