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## Non-Opioid Pain Relief: Use of Vitamin D in Central Appalachia

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## Non-Opioid Pain Relief for Patients in Central Appalachia

Karen Lasater, DNP, APRN, FNP-BC

#### Background

- Research demonstrates that patients with chronic pain may have hypovitaminosis D.

#### **Guiding Framework**

#### **PICOT** Question

In patients with chronic pain (P), how does supplementing with vitamin D (I) compared to no vitamin D supplementation (C) affect chronic pain levels (O) in a twelve-week timeframe (T)?

#### Evidence

- The most common vitamin D dose and duration recommended was 50,000 IUs by mouth weekly for twelve weeks.

#### Methods

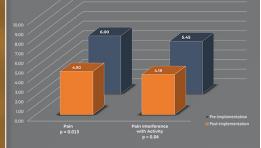
- September 2022: Patients were seen for a previously scheduled appointment and completed a pre-implementation survey.
  During the visit, a prescription for vitamin D 50,000 IUs PO weekly x I2 weeks was provided.
- January 2023: Patients returned to the clinic for follow-up and completed a post-implementation survey.

# VITAMIN D MAY BE USED **FOR THE TREATMENT** OF CHRONIC PAIN



#### Results

- - Clinically significant decrease in how much pain interfered with participant's life



#### Conclusion

and should be considered as part of a multi-modal approach.

