

Nearly one in three patients with lupus use prescription opioids for pain

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A new study finds nearly one in three adults with lupus use prescription opioids to manage pain, despite a lack of evidence that opioids are effective for reducing pain from rheumatic diseases. Credit: Michigan Medicine

Although there is little evidence that opioids effectively reduce pain from rheumatic diseases, a new study finds nearly one in three patients with lupus uses prescription opioids, often lasting longer than a year.

Lupus, a [chronic autoimmune disease](#), often leaves those affected with inflammation and pain throughout the body.

"Rheumatic diseases, such as lupus, are a leading cause of chronic pain," says Emily Somers, Ph.D., Sc.M.>, an associate professor of rheumatology, environmental health sciences and obstetrics and gynecology at Michigan Medicine.

Somers is the lead author on a new study, published in the Centers for Disease Control and Prevention's *Morbidity and Mortality Weekly Report*, that examined prescription opioid use among [adult patients](#) with lupus in southeast Michigan.

"With the current opioid epidemic and evolving

guidance related to opioid prescribing, we wanted to determine current levels of prescription opioid use in lupus," says Somers, a member of the University of Michigan Institute for Healthcare Policy and Innovation>.

Opioid use among patients with lupus

The research team examined data from the Michigan Lupus Epidemiology & Surveillance (MILES) Program>, a cohort of more than 650 patients with and without lupus from southeast Michigan.

In the study of patients who shared a similar demographic background—462 adults with lupus and 192 adults without lupus—[31% of patients with lupus were using prescription opioids during the study period](#) (2014-2015) compared to 8% of adults without the condition.

In addition, 68% of the patients with lupus using prescription opioids were using them for more than one year, and 22% were on two or more different opioid [prescriptions](#).

"These findings were alarming because one in three patients with lupus were using a prescription opioid, with the majority of those for longer than a year, even though opioids may not be providing benefits and have harmful side effects," Somers says.

"We were surprised to find such high-levels of prescription opioid use amongst patients with lupus and that they were over three times as likely to use prescription opioids than others in their community with similar sociodemographic backgrounds."

The study also found that patients with lupus who had at least one emergency department visit in the last year were twice as likely to use prescription opioids compared to those patients with lupus who had not visited the emergency department.

"It is important for clinicians caring for patients with lupus, including providers in the emergency department, to be aware of the high levels of prescription opioid use in lupus," Somers says.

She adds that patients with lupus may be particularly vulnerable to long-term side effects of opioids.

"In addition to their underlying disease, patients with lupus generally receive [immunosuppressive](#) and [glucocorticoid](#) therapies, which already put patients at a higher risk for known adverse effects related to long-term opioid use," Somers says.

Non-opioid pain management strategies

Somers notes that there can be several causes of pain in lupus, including a high prevalence of centralized pain, or [fibromyalgia](#), among people living with lupus. The source of pain therefore needs to be diagnosed accurately in order to treat patients with lupus properly.

"Underused, but effective, non-opioid and non-drug strategies for [pain management](#), as well as treatment directed at possible coexisting centralized pain syndromes, may be both safer and more effective than long-term opioids for reducing pain in this patient population," Somers says.

"Examples of non-drug pain management include [physical activity](#) and [self-management education](#) about the patient's chronic disease."

Somers and the research team hope this study inspires fellow health professionals to work towards strategies for reducing opioid use in patients with lupus, along with safer and more effective pain management.

"This level of opioid use signals a need for healthcare providers to consider effective non-opioid [pain](#) management strategies in these patients and to familiarize themselves with guidelines for [opioid](#) tapering and discontinuation when appropriate," Somers says.

More information: Emily C. Somers et al, Prescription Opioid Use in Patients With and

Without Systemic Lupus Erythematosus—Michigan Lupus Epidemiology and Surveillance Program, 2014–2015, *MMWR. Morbidity and Mortality Weekly Report* (2019). DOI: [10.15585/mmwr.mm6838a2](https://doi.org/10.15585/mmwr.mm6838a2)

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