



What are common comorbidities in migraine?



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Comorbidities are common among people with migraine and may impact its management¹⁻³

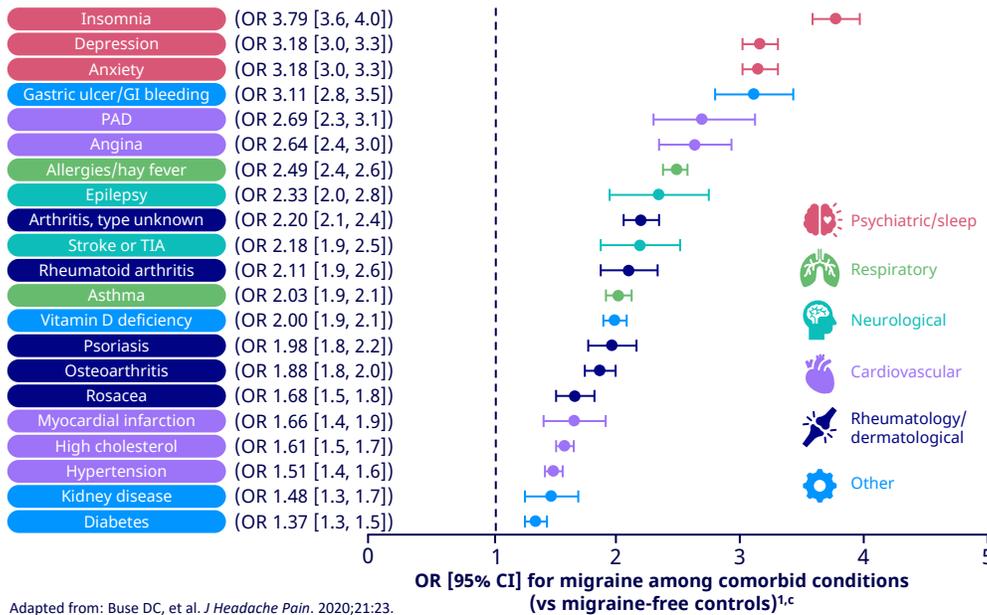


>92% of people with migraine have ≥ 1 comorbidity^{4,a}
>75 comorbid conditions have been associated with migraine⁵

Comorbidities add to the overall **disease burden** for both patients and healthcare systems and may **limit treatment options**^{1,2}



Conditions comorbid with migraine cover a wide range of organ systems and symptoms^{1,5}



Adapted from: Buse DC, et al. *J Headache Pain*. 2020;21:23.

Results of the MAST study that included n=15,133 people with migraine and n=77,453 controls, suggested that people with migraine are:^{1,b}

~3x

More likely to report **insomnia, depression, anxiety, and gastric ulcer/GI bleeding**

~2x

More likely to report **PAD, angina, allergies/hay fever, epilepsy, arthritis, stroke or TIA, rheumatoid arthritis, asthma, and vitamin D deficiency**

Psychiatric comorbidities may have a negative impact on patients and treatment outcomes:



MHD frequency and moderate and severe pain were associated with increased risk of **anxiety, depression and insomnia**¹

Psychiatric comorbidities are among the most common and increase with headache frequency⁶



There is a **bidirectional relationship** between migraine and depression or anxiety disorders⁷⁻⁹

Recognizing comorbid conditions in migraine is crucial for determining optimal management strategies as comorbid conditions may contribute to the overall disease burden and lower health-related quality of life¹⁻³



Footnotes: ^aIn the CaMEO study in the U.S. (N=11,837/12,810); ^bA web-based survey that identified U.S. population samples of persons with migraine (using modified ICHD-3 criteria) and without migraine. ^cData adjusted for sociodemographic characteristics.

Abbreviations: CaMEO, Chronic Migraine Epidemiology and Outcomes; CI, Confidence Interval; GI, Gastrointestinal; ICHD-3, International Classification of Headache Disorders-3; MAST, Migraine in America Symptoms and Treatment; MHD, Monthly Headache Day; OR, Odds Ratio; PAD, Peripheral Arterial Disease; TIA, Transient Ischemic Attack; U.S., United States.

References: 1. Buse DC, et al. *J Headache Pain* 2020;21:23. 2. Minen MT, et al. *J Neurol Neurosurg Psychiatry* 2016;87:741-9. 3. Buse DC, et al. *J Neurol Neurosurg Psychiatry* 2010;81:428-32. 4. Lipton RB, et al. *Headache* 2018;58:933-47. 5. Association of Migraine Disorders. *Comorbidities*. Accessed November 2023; Available at: <https://www.migrainedisorders.org/comorbidities/>. 6. Buse DC, et al. *Headache* 2020;60:2340-56. 7. Kumar R, et al. *Cureus* 2022;14:e26419. 8. Lipton RB, et al. *Headache* 2020;60:1683-96. 9. Yang Y, et al. *Cephalalgia* 2016;36:679-91.