

Online Supplements

Asthma in COVID-19 Hospitalizations: An Overestimated Risk Factor?

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Review references and asthma population prevalence references (both related to studies in Figure 2) are listed in our Supplement.

A complete list of studies considered, analysis code, and regression table are available as supplemental materials upon request.

Review References (for studies in Figure 2):

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2. Borba MGS, Val FFA, Sampaio VS, et al. Effect of High vs Low Doses of Chloroquine Diphosphate as Adjunctive Therapy for Patients Hospitalized With Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection: A Randomized Clinical Trial. *JAMA Netw Open*. 2020;3(4):e208857. doi:[10.1001/jamanetworkopen.2020.8857](https://doi.org/10.1001/jamanetworkopen.2020.8857)
3. Zhang J, Dong X, Cao Y, et al. Clinical characteristics of 140 patients infected with SARS-CoV-2 in Wuhan, China. *Allergy*. 2020;n/a(n/a). doi:[10.1111/all.14238](https://doi.org/10.1111/all.14238)
4. Richardson S, Hirsch JS, Narasimhan M, et al. Presenting Characteristics, Comorbidities, and Outcomes Among 5700 Patients Hospitalized With COVID-19 in the New York City Area. *JAMA*. Published online April 22, 2020. doi:[10.1001/jama.2020.6775](https://doi.org/10.1001/jama.2020.6775)
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6. Li X, Xu S, Yu M, et al. Risk factors for severity and mortality in adult COVID-19 inpatients in Wuhan. *J Allergy Clin Immunol*. Published online April 12, 2020. doi:[10.1016/j.jaci.2020.04.006](https://doi.org/10.1016/j.jaci.2020.04.006)
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10. Garg S. Hospitalization Rates and Characteristics of Patients Hospitalized with Laboratory-Confirmed Coronavirus Disease 2019 — COVID-NET, 14 States, March 1–30, 2020. *MMWR Morb Mortal Wkly Rep*. 2020;69. doi:[10.15585/mmwr.mm6915e3](https://doi.org/10.15585/mmwr.mm6915e3)
11. Es K, Bs C, Ck K, et al. Clinical Course and Outcomes of Patients With Severe Acute Respiratory Syndrome Coronavirus 2 Infection: A Preliminary Report of the First 28 Patients From the Korean Cohort Study on COVID-19. *Journal of Korean medical science*. doi:[10.3346/jkms.2020.35.e142](https://doi.org/10.3346/jkms.2020.35.e142)
12. Docherty AB, Harrison EM, Green CA, et al. Features of 20 133 UK patients in hospital with covid-19 using the ISARIC WHO Clinical Characterisation Protocol: prospective observational cohort study. *BMJ*. 2020;369. doi:[10.1136/bmj.m1985](https://doi.org/10.1136/bmj.m1985)
13. CDCMMWR. Preliminary Estimates of the Prevalence of Selected Underlying Health Conditions Among Patients with Coronavirus Disease 2019 — United States, February 12–March 28, 2020. *MMWR Morb Mortal Wkly Rep*. 2020;69. doi:[10.15585/mmwr.mm6913e2](https://doi.org/10.15585/mmwr.mm6913e2)
14. Argenziano MG, Bruce SL, Slater CL, et al. Characterization and clinical course of 1000 patients with coronavirus disease 2019 in New York: retrospective case series. *BMJ*. 2020;369. doi:[10.1136/bmj.m1996](https://doi.org/10.1136/bmj.m1996)
15. Arentz M, Yim E, Klaff L, et al. Characteristics and Outcomes of 21 Critically Ill Patients With COVID-19 in Washington State. *JAMA*. Published online March 19, 2020. doi:[10.1001/jama.2020.4326](https://doi.org/10.1001/jama.2020.4326)

Asthma Population Prevalence References (for population prevalence values in Figure 2):

1. dos Santos FM, Viana KP, et al. Trend of self-reported asthma prevalence in Brazil from 2003 to 2013 in adults and factors associated with prevalence. *J. bras. pneumol*. 2018;44(6):491-497. doi:[10.1590/s1806-37562017000000328](https://doi.org/10.1590/s1806-37562017000000328)
2. Huang K, Yang T, Xu J, et al. Prevalence, risk factors, and management of asthma in China: a national cross-sectional study. *Lancet*. 2019;394(10196):407-418. doi:[10.1016/S0140-6736\(19\)31147-X](https://doi.org/10.1016/S0140-6736(19)31147-X)

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5. Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2018. https://www.cdc.gov/asthma/brfss/2018/current_C1-H.pdf