

## REFERENCE

- Abdi, A., Jalilian, M., Sarbarzeh, P.A., Vlaisavljevic, Z., 2020. Diabetes and COVID-19: A systematic review on the current evidences. *Diabetes Res Clin Pract.* <https://doi.org/10.1016/j.diabres.2020.108347>
- Amber L, M., Maeve S, M., David A, S., 2020. Why does COVID-19 disproportionately affect older people? *Aging* 12.
- Andreen, N., Andersson, L.M., Sundell, N., Gustavsson, L., Westin, J., 2022. Mortality of COVID-19 is associated with comorbidity in patients with chronic obstructive pulmonary disease. *Infect Dis* 54, 508–513. <https://doi.org/10.1080/23744235.2022.2050422>
- Calcaterra, G., Bassareo, P.P., Barillà, F., Sergi, D., Chiochi, M., Romeo, F., Mehta, J.L., 2020. The Deadly Quartet (Covid-19, Old Age, Lung Disease, and Heart Failure) Explains Why Coronavirus-Related Mortality in Northern Italy Was So High. *Curr Cardiol Rev* 17, 74–77. <https://doi.org/10.2174/1573403x16666200731162614>
- Centers for Disease Control and Prevention, 2024a. People with certain medical conditions and COVID-19 risk factors [WWW Document]. Centers for Disease Control and Prevention.
- Centers for Disease Control and Prevention, 2024b. How to Protect Yourself and Others [WWW Document]. Centers for Disease Control and Prevention.
- Del Valle, D.M., Kim-Schulze, S., Huang, H.H., Beckmann, N.D., Nirenberg, S., Wang, B., Lavin, Y., Swartz, T.H., Madduri, D., Stock, A., Marron, T.U., Xie, H., Patel, M., Tuballes, K., Van Oekelen, O., Rahman, A., Kovatch, P., Aberg, J.A., Schadt, E., Jagannath, S., Mazumdar, M., Charney, A.W., Firpo-Betancourt, A., Mendu, D.R., Jhang, J., Reich, D., Sigel, K., Cordon-Cardo, C., Feldmann, M., Parekh, S., Merad, M., Gnjjatic, S., 2020. An inflammatory cytokine signature predicts COVID-19 severity and survival. *Nat Med* 26, 1636–1643. <https://doi.org/10.1038/s41591-020-1051-9>
- Dessie, Z.G., Zewotir, T., 2021. Mortality-related risk factors of COVID-19: a systematic review and meta-analysis of 42 studies and 423,117 patients. *BMC Infect Dis* 21. <https://doi.org/10.1186/s12879-021-06536-3>
- Dhar Chowdhury, S., Oommen, A.M., 2020. Epidemiology of COVID-19. *Journal of Digestive Endoscopy* 11, 03–07. <https://doi.org/10.1055/s-0040-1712187>
- Dinas Kesehatan Kabupaten Sleman, 2020. Kabupaten Sleman COVID-19 [WWW Document]. Dinas Kesehatan Kabupaten Sleman. URL <https://covidtracer.slemankab.go.id/dashboard2/> (accessed 8.15.23).
- Fajgenbaum, D.C., June, C.H., 2020. Cytokine Storm. *New England Journal of Medicine* 383, 2255–2273. <https://doi.org/10.1056/nejmra2026131>
- Ghilari, Y.E.D., Iskandar, A., Wiratama, B.S., Hartopo, A.B., 2022. Joint Effect of Diabetes Mellitus and Hypertension on COVID-19 in-Hospital Mortality Stratified by Age Group and Other Comorbidities: A Cohort Retrospective

- Study Using Hospital-Based Data in Sleman, Yogyakarta. *Healthcare* (Switzerland) 10. <https://doi.org/10.3390/healthcare10102103>
- Goronzy, J.J., Weyand, C.M., 2017. Successful and Maladaptive T Cell Aging. *Immunity* 46, 364–378. <https://doi.org/10.1016/j.immuni.2017.03.010>
- Ho, F.K., Petermann-Rocha, F., Gray, S.R., Jani, B.D., Vittal Katikireddi, S., Niedzwiedz, C.L., Foster, H., Hastie, C.E., Mackay, D.F., Gill, J.M.R., O'Donnell, C., Welsh, P., Mair, F., Sattar, N., Celis-Morales, C.A., Pell, J.P., 2020. Is older age associated with COVID-19 mortality in the absence of other risk factors? General population cohort study of 470,034 participants. *PLoS One* 15. <https://doi.org/10.1371/journal.pone.0241824>
- Hou, H., Li, Y., Zhang, P., Wu, J., Shi, L., Xu, J., Diao, J., Wang, Y., Yang, H., 2021. Smoking is independently associated with an increased risk for COVID-19 mortality: A systematic review and meta-analysis based on adjusted effect estimates. *Nicotine & Tobacco Research*. <https://doi.org/10.1093/ntr/ntab112>
- Izcovich, A., Ragusa, M.A., Tortosa, F., Marzio, M.A.L., Agnoletti, C., Bengolea, A., Ceirano, A., Espinosa, F., Saavedra, E., Sanguine, V., Tassara, A., Cid, C., Catalano, H.N., Agarwal, A., Foroutan, F., Rada, G., 2020. Prognostic factors for severity and mortality in patients infected with COVID-19: A systematic review. *PLoS One* 15. <https://doi.org/10.1371/journal.pone.0241955>
- Karanasos, A., Aznaouridis, K., Latsios, G., Synetos, A., Plitaria, S., Tousoulis, D., Toutouzas, K., 2020. Impact of smoking status on disease severity and mortality of hospitalized patients with COVID-19 infection: A systematic review and meta-analysis. *Nicotine and Tobacco Research*. <https://doi.org/10.1093/ntr/ntaa107>
- Kawai, T., Autieri, M. V., Scalia, R., 2021. Adipose tissue inflammation and metabolic dysfunction in obesity. *Am J Physiol Cell Physiol* 320, C375–C391. <https://doi.org/10.1152/ajpcell.00379.2020>
- Kumar, A., Arora, A., Sharma, P., Anikhindi, S.A., Bansal, N., Singla, V., Khare, S., Srivastava, A., 2020. Is diabetes mellitus associated with mortality and severity of COVID-19? A meta-analysis. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews* 14, 535–545. <https://doi.org/10.1016/j.dsx.2020.04.044>
- Lan, F.Y., Wei, C.F., Hsu, Y.T., Christiani, D.C., Kales, S.N., 2020. Work-related COVID-19 transmission in six Asian countries/areas: A follow-up study. *PLoS One* 15. <https://doi.org/10.1371/journal.pone.0233588>
- Leitao, J., Desai, N., Aleksandrowicz, L., Byass, P., Miasnikof, P., Tollman, S., Alam, D., Lu, Y., Rathi, S.K., Singh, A., Suraweera, W., Ram, F., Jha, P., 2014. Comparison of physician-certified verbal autopsy with computer-coded verbal autopsy for cause of death assignment in hospitalized patients in low- and middle-income countries: systematic review. *BMC Med* 12. <https://doi.org/10.1186/1741-7015-12-22>
- Li, S., Ren, J., Hou, H., Han, X., Xu, J., Duan, G., Wang, Y., Yang, H., 2022. The association between stroke and COVID-19-related mortality: a systematic

- review and meta-analysis based on adjusted effect estimates. *Neurological Sciences* 43, 4049–4059. <https://doi.org/10.1007/s10072-022-06024-9>
- Malik, Y., Sircar, S., Bhat, S., Sharun, S., Dhama, K., Dadar, M., Tiwari, R., Chaicumpa, W., 2020. Emerging novel coronavirus (2019-nCoV)—current scenario, evolutionary perspective based on genome analysis and recent developments. *Veterinary Quarterly* 40, 68–76. <https://doi.org/10.1080/01652176.2020.1727993>
- Meza, D., Khuder, B., Bailey, J.I., Rosenberg, S.R., Kalhan, R., Reyfman, P.A., 2021. Mortality from COVID-19 in patients with COPD: A us study in the n3c data enclave. *International Journal of COPD* 16, 2323–2326. <https://doi.org/10.2147/COPD.S318000>
- Mohammad, S., Aziz, R., Al Mahri, S., Malik, S.S., Haji, E., Khan, A.H., Khatlani, T.S., Bouchama, A., 2021. Obesity and COVID-19: what makes obese host so vulnerable? *Immunity and Ageing* 18. <https://doi.org/10.1186/s12979-020-00212-x>
- Nugraha, B., Wahyuni, L.K., Laswati, H., Kusumastuti, P., Tulaar, A.B.M., Gutenbrunner, C., 2020. COVID-19 Pandemic in Indonesia: Situation and Challenges of Rehabilitation Medicine in Indonesia. *Acta Med Indones-Indones J Intern Med* • 52.
- Peng, M., He, J., Xue, Y., Yang, X., Liu, S., Gong, Z., 2021. Role of Hypertension on the Severity of COVID-19: A Review. *Journal Cardiovascular Pharmacology* 78.
- Pradhan, A., Olsson, P.E., 2020. Sex differences in severity and mortality from COVID-19: are males more vulnerable? *Biol Sex Differ*. <https://doi.org/10.1186/s13293-020-00330-7>
- Pugliese, G., Vitale, M., Resi, V., Orsi, E., 2020. Is diabetes mellitus a risk factor for CoronaVirus Disease 19 (COVID-19)? *Acta Diabetol*. <https://doi.org/10.1007/s00592-020-01586-6>
- Rothwell, J., Smith, E., 2021. Socioeconomic Status as a Risk Factor in Economic and Physical Harm from COVID-19: Evidence from the United States. *Annals of the American Academy of Political and Social Science* 698, 12–38. <https://doi.org/10.1177/00027162211062137>
- Rozaliyani, A., Savitri, A.I., Setianingrum, F., Shelly, T.N., Ratnasari, V., Kuswindarti, R., Salama, N., Oktavia, D., Handayani, D., 2020. Factors Associated with Death in COVID-19 Patients in Jakarta, Indonesia: An Epidemiological Study, *Acta Med Indones-Indones J Intern Med* •.
- Shastri, M.D., Shukla, S.D., Chong, W.C., KC, R., Dua, K., Patel, R.P., Peterson, G.M., O'Toole, R.F., 2021. Smoking and COVID-19: What we know so far. *Respir Med* 176. <https://doi.org/10.1016/j.rmed.2020.106237>
- Siepmann, T., Sedghi, A., Simon, E., Winzer, S., Barlinn, J., de With, K., Mirow, L., Wolz, M., Gruenewald, T., Schroettner, P., von Bonin, S., Pallesen, L.P., Rosengarten, B., Schubert, J., Lohmann, T., Machetanz, J., Spieth, P., Koch, T., Bornstein, S., Reichmann, H., Puetz, V., Barlinn, K., 2021. Increased risk of

- acute stroke among patients with severe COVID-19: a multicenter study and meta-analysis. *Eur J Neurol* 28, 238–247. <https://doi.org/10.1111/ene.14535>
- Sofizan, N.M.F.B.N., Rahman, A.F.B.A., Soon, L.P., Ly, C.K., Abdullah, N.Z.B., 2022. Autopsy findings in COVID-19 infection-related death: a systematic review. *Egypt J Forensic Sci.* <https://doi.org/10.1186/s41935-022-00280-8>
- Szarpak, L., Mierzejewska, M., Jurek, J., Kochanowska, A., Gasecka, A., Truszcwski, Z., Pruc, M., Blek, N., Rafique, Z., Filipiak, K.J., Denegri, A., Jaguszewski, M.J., 2022. Effect of Coronary Artery Disease on COVID-19—Prognosis and Risk Assessment: A Systematic Review and Meta-Analysis. *Biology (Basel)* 11. <https://doi.org/10.3390/biology11020221>
- Toppen, W., Yan, P., Markovic, D., Shover, C.M., Buhr, R.G., Fulcher, J.A., Tashkin, D.P., Barjaktarevic, I., 2022. Chronic Obstructive Pulmonary Disease is Not Associated with In-Hospital Mortality in COVID-19: An Observational Cohort Analysis. *International Journal of COPD* 17, 3111–3121. <https://doi.org/10.2147/COPD.S386463>
- Tunga, M., Lungo, J., Chambua, J., Kateule, R., 2021. Verbal autopsy models in determining causes of death. *Tropical Medicine and International Health.* <https://doi.org/10.1111/tmi.13678>
- Umakanthan, S., Sahu, P., Ranade, A. V., Bukelo, M.M., Rao, J.S., Abrahao-Machado, L.F., Dahal, S., Kumar, H., Kv, D., 2020. Origin, transmission, diagnosis and management of coronavirus disease 2019 (COVID-19). *Postgrad Med J* 96, 753–758. <https://doi.org/10.1136/postgradmedj-2020-138234>
- Vidal-Perez, R., Brandão, M., Pazdernik, M., Kresoja, K.P., Carpenito, M., Maeda, S., Casado-Arroyo, R., Muscoli, S., Pöss, J., Fontes-Carvalho, R., Vazquez-Rodriguez, J.M., 2022. Cardiovascular disease and COVID-19, a deadly combination: A review about direct and indirect impact of a pandemic. *World J Clin Cases* 10, 9556–9572. <https://doi.org/10.12998/wjcc.v10.i27.9556>
- Wadhera, R.K., Wadhera, P., Gaba, P., Figueroa, J.F., Joynt Maddox, K.E., Yeh, R.W., Shen, C., 2020. Variation in COVID-19 Hospitalizations and Deaths Across New York City Boroughs. *JAMA - Journal of the American Medical Association.* <https://doi.org/10.1001/jama.2020.7197>
- World Health Organization, 2020. WHO COVID-19 Dashboard [WWW Document]. World Health Organization. URL <https://covid19.who.int/> (accessed 8.15.23).
- Yuki, K., Fujiogi, M., Koutsogiannaki, S., 2020. COVID-19 pathophysiology: A review. *Clinical Immunology.* <https://doi.org/10.1016/j.clim.2020.108427>
- Zhou, Y., Chi, J., Lv, W., Wang, Y., 2021. Obesity and diabetes as high-risk factors for severe coronavirus disease 2019 (Covid-19). *Diabetes Metab Res Rev.* <https://doi.org/10.1002/dmrr.3377>