

# BÖLÜM 1



## Pandemi ve Stres: Toplum Ruh Sağlığı Üzerine Etkisi

Orhan KOCAMAN<sup>1</sup>

Kezban Burcu AVANOĞLU<sup>2</sup>

Pandemi, kelimesi eski Yunancada tüm anlamına gelen ‘pan’ ile insan anlamına gelen ‘demos’ kelimelerinin bir araya gelmesi ile oluşmuştur. Dünya Sağlık Örgütü’nün tanımlamasına göre, üç farklı koşulun bir araya gelmesi ile pandemi başlamış olur. Bunlar:

1. Daha önce maruz kalınmamış bir hastalığın ortaya çıkması,
2. Ortaya çıkan bu hastalığın diğer insanlara bulaşıcı bir özelliğinin olması ve bulaşan hastalığın tehlikeli sonuçları olması,
3. Ortaya çıkan hastalığın kolayca ve sürekli olarak diğer insanlara da bulaşması (1)

---

<sup>1</sup> Dr. Öğr. Üyesi, Alanya Alaadin Keykubat Üniversitesi Tıp Fakültesi, Çocuk ve Ergen Ruh Sağlığı ve Hastalıkları AD., 007.orhankocaman@gmail.com

<sup>2</sup> Uzm. Dr., Yalova Devlet Hastanesi, Psikiyatri Kliniği, kezbanburcu@gmail.com



## Kaynaklar

1. Tekin A. Tarihten Günümüze Epidemiler, Pandemiler ve Ekonomik Sonuçları. *Süleyman Demirel Üniversitesi Sosyal Bilimler Enstitüsü Dergisi*, 2021;40: 330-335.
2. Nicholas Mascie Taylor & Kazuhiko Moji. Pandemics, *Journal for Peace and Nuclear Disarmament*, 2021; 4 (1): 47-59. doi: 10.1080/25751654.2021.1880769
3. WHO. Director-General's opening remarks at the media briefing on COVID-19. 2020. (12/09/2022 tarihinde <https://www.who.int/director-general/speeches/detail/who-director-general-s-opening-remarks-at-the-media-briefing-on-covid-19-11-march-2020> linkten alınmıştır).
4. Jiloha RC. COVID-19 and Mental Health. *Epidem Int* 2020;5(1): 7-9.
5. Kwok, K. O., Lai, F., Wei, W. I., et al. Herd immunity—estimating the level required to halt the COVID-19 epidemics in affected countries. *Journal of Infection*, 2020;80(6): e32-e33.
6. Coronavirus Resource Center 2020 (12/09/2022 tarihinde <https://coronavirus.jhu.edu/map.html> adresinden ulaşılmıştır).
7. Cénat JM, Blais-Rochette C, Kokou-Kpolou CK, et al. Prevalence of symptoms of depression, anxiety, insomnia, posttraumatic stress disorder, and psychological distress among populations affected by the COVID-19 pandemic: A systematic review and meta-analysis. *Psychiatry Research*. 2021;295: 113599. doi: 10.1016/j.psychres.2020.113599.
8. Saladino V, Algeri D, Auriemma V. The Psychological and Social Impact of Covid-19: New Perspectives of Well-Being. *Frontiers in psychology*. 2020;11: 577684. doi: 10.3389/fpsyg.2020.577684.
9. Hawryluck L, Gold WL, Robinson S, et al. SARS control and psychological effects of quarantine, Toronto, Canada. *Emerging infectious diseases*. 2004;10(7): 1206-1212. doi: 10.3201/eid1007.030703.
10. Brooks SK, Webster RK, Smith LE, et al. The psychological impact of quarantine and how to reduce it: rapid review of the evidence. *The Lancet*. 2020;395: 912-920.
11. Hacıoğlu Yıldırım M. Covid-19 Pandemisinin Ruh Sağlığına Etkileri (12/09/2022 tarihinde <https://www.solunum.org.tr/TusadData/Book/881/131020201683-bolum12.pdf> adresinden alınmıştır).
12. Tsamakis K, Triantafyllis AS, Tsiptsios D, et al. COVID-19 related stress exacerbates common physical and mental pathologies and affects treatment (Review) *Experimental and therapeutic medicine*. 2020;20: 159-162. doi: 10.3892/etm.2020.8671.



13. Giannitsi S, Tsiniyov P, Poulimenos LE, et al. [Case Report] Stress induced (Takotsubo) cardiomyopathy triggered by the COVID-19 pandemic. *Experimental and therapeutic medicine*. 2020;20: 2812–2814. doi: 10.3892/etm.2020.8968.
14. Tsamakis K, Gavriatopoulou M, Schizas D, et al. Oncology during the COVID-19 pandemic: Challenges, dilemmas and the psychosocial impact on cancer patients (Review). *Oncology Letters*. 2020;20: 441–447. doi: 10.3892/ol.2020.11599.
15. Moris D, Tsilimigras DI, Schizas D. Cancer and COVID-19. *Lancet*. 2020;396: 10661067. doi: 10.1016/S0140-6736(20)32069-9.
16. Huang Y, Zhao N. Generalized anxiety disorder, depressive symptoms and sleep quality during COVID-19 outbreak in China: a web-based cross-sectional survey. *Psychiatry research*. 2020;288: 112954. doi: 10.1016/j.psychres.2020.112954
17. Ni MY, Yang L, Leung CMC, et al. Mental Health, Risk Factors, and Social Media Use During the COVID-19 Epidemic and Cordon Sanitaire Among the Community and Health Professionals in Wuhan, China: Cross-Sectional Survey. *JMIR mental health*. 2020;7(5): e19009. doi: 10.2196/19009
18. United Nations Sustainable Development Group: Policy Brief: *COVID-19 and the Need for Action on Mental Health*. (12/09/2022 tarihinde <https://unsdg.un.org/resources/policy-brief-covid-19-and-need-action-men>. adresinden alınmıştır).
19. Team, V, Manderson, L. How COVID-19 reveals structures of vulnerability. *Medical Anthropology*. 2020;39: 671–674. doi: <https://doi.org/10.1080/01459740.2020.1830281>.
20. Banerjee, D. 'Age and ageism in COVID-19': elderly mental health-care vulnerabilities and needs. *Asian journal of psychiatry*. 2020;51: 102154. doi: <https://doi.org/10.1016/j.ajp.2020.102154>.
21. Codagnone, C, Bogliacino, F, Gómez, C, et al. Assessing concerns for the economic consequence of the COVID-19 response and mental health problems associated with economic vulnerability and negative economic shock in Italy, Spain, and the United Kingdom. *PloS One* 2020;15. doi: e0240876.10.1371/journal.pone.0240876
22. Imran, N, Zeshan, M, Pervaiz, Z. Mental health considerations for children & adolescents in COVID- 19 pandemic. *Pakistan journal of medical sciences*. 2020;36: 67–72. doi: <https://doi.org/10.12669/pjms.36.COVID19-S4.2759>.



23. Kang L, Ma S, Chen M, et al. Impact on mental health and perceptions of psychological care among medical and nursing staff in Wuhan during the 2019 novel coronavirus disease outbreak: A cross-sectional study. *Brain, behavior, and immunity*. 2020;87: 11-17. doi: 10.1016/j.bbi.2020.03.028.
24. Wang Y, Di Y, Ye J, et al. Study on the public psychological states and its related factors during the outbreak of coronavirus disease 2019 (COVID-19) in some regions of China. *Psychology, health & medicine*. 2021;26(1): 13-22. doi: 10.1080/13548506.2020.1746817
25. Wilson, Jenna M., Jerin Lee, et al. COVID-19 worries and mental health: the moderating effect of age.” *Aging & Mental Health*. 2021;25(7): 1289-1296. doi: <https://doi.org/10.1080/13607863.2020.1856778>.
26. Bagcchi, S. Stigma during the COVID-19 pandemic. *Lancet Infectious Diseases*. 2020;20 (7): 782. doi: [https://doi.org/10.1016/s1473-3099\(20\)30498-9](https://doi.org/10.1016/s1473-3099(20)30498-9).
27. Killerby, ME, Link-Gelles, R, Haight, SC, et al. Characteristics associated with hospitalization among patients with COVID-19 Metropolitan Atlanta, Georgia, March-April 2020. *Morbidity and mortality weekly report*. 2020;69(25): 791–794. doi: 10.15585/mmwr.mm6925e1
28. Millett, GA, Jones, AT, Benkeser, D, Baral, S, Mercer, L, Beyrer, C, et al.. Assessing differential impacts of COVID-19 on black communities. *Annals of epidemiology*. 2020;47: 37–44. doi: 10.1016/j.annepidem.2020.05.003
29. Webb Hooper, M, Nápoles, AM, Pérez-Stable, EJ. COVID-19 and racial/ethnic disparities. *JAMA*. 2020;323: 2466–2467. doi: <https://doi.org/10.1001/jama.2020.8598>.
30. White, C., & Nafilyan, V. *Coronavirus (COVID-19) related deaths by ethnic group*, England and Wales–Office for National Statistics. (12/09/2021 tarihinde <https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/articles/coronavirus-relateddeathsbyethnicgroupenglandandwales/2march2020to10april2020> adresinden ulaşılmıştır).
31. Rogers JP, Chesney E, Oliver D, et al. Psychiatric and neuropsychiatric presentations associated with severe coronavirus infections: a systematic review and meta-analysis with comparison to the COVID-19 pandemic. *Lancet Psychiatry*. 2020;7(7): 611-627. doi: 10.1016/S2215-0366(20)30203-0.
32. Zhang R, Jiang T, Li N, et al. The negative psychology for the public in Zhejiang province during the epidemic of human H7N9 avian influenza. *Chinese Journal of Preventive Medicine*. 2015;49(12): 1073-1079.
33. Xiong J, Lipsitz O, Nasri F, et al. Impact of COVID-19 pandemic on mental health in the general population: A systematic review. *Journal*



- of affective disorders*. 2020;277: 55-64. doi: 10.1016/j.jad.2020.08.001.
34. Qiu J , Shen B , Zhao M , et al. A nationwide survey of psychological distress among Chinese people in the COVID-19 epidemic: implications and policy recommendations. *General psychiatry*. 2020;33(2): e100213. doi:10.1136/gpsych-2020-100213.
  35. Panchal N , Kamal R , Orgera K , et al. The Implications of COVID-19 for Mental Health and Substance Use. *Kaiser Family Foundation*. 2020;21.
  36. Daly M, Sutin AR, Robinson E. Longitudinal changes in mental health and the COVID-19 pandemic: evidence from the UK Household Longitudinal Study. *Psychological medicine*. 2020;13: 1-10. doi: 10.1017/S0033291720004432.
  37. Hyland P, Shevlin M, McBride O, et al. Anxiety and depression in the Republic of Ireland during the COVID-19 pandemic. *Acta Psychiatrica Scandinavica*. 2020;142(3): 249-256. doi: 10.1111/acps.13219.
  38. Bäuerle A, Teufel M, Musche V, et al. Increased generalized anxiety, depression and distress during the COVID-19 pandemic: a cross-sectional study in Germany. *Journal of Public Health*. 2020; 42(4): 672-678. doi: 10.1093/pubmed/fdaa106.
  39. Ausín B, González-Sanguino C, Castellanos MA, et al. The Psychological Impact of the COVID-19 Pandemic in Spain: A Longitudinal Study. *Psicothema*. 2022;34(1): 66-73. doi: 10.7334/psicothema2021.290.
  40. Wang C, Pan R, Wan X, et al. Immediate Psychological Responses and Associated Factors during the Initial Stage of the 2019 Coronavirus Disease (COVID-19) Epidemic among the General Population in China. *International journal of environmental research and public health*. 2020;17(5): 1729. doi: 10.3390/ijerph17051729.
  41. Bueno-Notivol J, Gracia-García P, Olaya B, et al. Prevalence of depression during the COVID-19 outbreak: A meta-analysis of community-based studies. *International journal of clinical and health psychology*. 2021;21(1): 100196. doi: 10.1016/j.ijchp.2020.07.007.
  42. Zhou SJ, Zhang LG, Wang LL, et al. Prevalence and socio-demographic correlates of psychological health problems in Chinese adolescents during the outbreak of COVID-19. *European child & adolescent psychiatry*. 2020;29(6): 1-10. doi: 10.1007/s00787-020-01541-4.
  43. Lei L, Huang X, Zhang S, et al. Comparison of Prevalence and Associated Factors of Anxiety and Depression Among People Affected by versus People Unaffected by Quarantine During the COVID-19 Epidemic in Southwestern China. *Medical science monitor: international medical journal of experimental and clinical research*. 2020; 26: e924609. doi: 10.12659/MSM.924609.
  44. Czeisler MÉ, Lane RI, Petrosky E, et al. Mental health, substance use, and suicidal ideation during the COVID-19 pandemic: United Sta-



- tes, *Morbidity and Mortality Weekly Report*. 2020;69(32): 1049-1057. doi:10.15585/mmwr.mm6932a1
45. M Daly, AR Sutin, E Robinson. Depression reported by US adults in 2017-2018 and March and April 2020. *Journal of affective disorders*. 2021;278: 131-135.
  46. Ettman CK, Cohen GH, Abdalla SM, et al. Persistent depressive symptoms during COVID-19: a national, population-representative, longitudinal study of U.S. adults. *The Lancet Regional Health-Americas*. 2022;5: 100091. doi: 10.1016/j.lana.2021.100091.
  47. Khubchandani J, Sharma S, Webb FJ, et al. Post-lockdown depression and anxiety in the USA during the COVID-19 pandemic. *Journal of Public Health*. 2021;43(2): 246-253. doi: 10.1093/pubmed/fdaa250.
  48. Shevlin, M., McBride, O., Murphy, J., et al. Anxiety, depression, traumatic stress and COVID-19-related anxiety in the UK general population during the COVID-19 pandemic. *BJPsych Open*. 2020;6(6): E125. doi:10.1192/bjo.2020.109
  49. Özdin S, Bayrak Özdin Ş. Levels and predictors of anxiety, depression and health anxiety during COVID-19 pandemic in Turkish society: The importance of gender. *International Journal of Social Psychiatry*. 2020;66(5): 504-511. doi: 10.1177/0020764020927051
  50. Roy D, Tripathy S, Kar SK, et al. Study of knowledge, attitude, anxiety & perceived mental healthcare need in Indian population during COVID-19 pandemic. *Asian journal of psychiatry*. 2020;51: 102083. doi: 10.1016/j.ajp.2020.102083
  51. Lowe S.R., Ratanatharathorn A., Lai B.S., et al. Post-traumatic stress disorder symptom trajectories within the first year following emergency department admissions: Pooled results from the International Consortium to predict PTSD. *Psychological medicine*. 2021;51(7): 1129-1139. doi: 10.1017/S0033291719004008.
  52. Wu K.K., Chan S.K., Ma T.M. Posttraumatic stress after SARS. *Emerging infectious diseases*. 2005;11: 1297. doi: 10.3201/eid1108.041083.
  53. Cheng, S. K. , Chong, G. H. , Chang, S. S. , et al. Adjustment to severe acute respiratory syndrome (SARS): Roles of appraisal and posttraumatic growth. *Psychology and Health*. 2006;21(3): 301-317. doi: 10.1080/14768320500286450
  54. Mak, I. W. C. , Chu, C. M. , Pan, P. C. , et al. Long-term psychiatric morbidities among SARS survivors. *General Hospital Psychiatry*. 2009; 31(4): 318-326. doi: 10.1016/j.genhosppsych.2009.03.001
  55. Wu, P., Fang, Y., Guan, Z., et al. The psychological impact of the SARS epidemic on hospital employees in China: exposure, risk perception, and altruistic acceptance of risk. *The Canadian Journal of Psychiatry*. 2009;54(5): 302-311. doi: 10.1177/070674370905400504



56. Sun L., Sun Z., Wu L., et al. Prevalence and Risk Factors of Acute Posttraumatic Stress Symptoms during the COVID-19 Outbreak in Wuhan, China. *MedRxiv*. 2020 doi: 10.1101/2020.03.06.20032425.
57. Forte G., Favieri F., Tambelli R., et al. The enemy who sealed the world: Effects quarantine and COVID-19 diffusion on the psychological state of the Italian population. *Journal of clinical medicine*. 2020;9(6): 1802 doi: <https://doi.org/10.3390/jcm9061802>
58. Liang L, Ren H, Cao R, et al. The Effect of COVID-19 on Youth Mental Health. *Psychiatric quarterly*. 2020;91(3): 841-852. doi: 10.1007/s11126-020-09744-3
59. Forte G, Favieri F, Tambelli R, et al. COVID-19 Pandemic in the Italian Population: Validation of a Post-Traumatic Stress Disorder Questionnaire and Prevalence of PTSD Symptomatology. *International journal of environmental research and public health*. 2020;17(11): 4151. doi: 10.3390/ijerph17114151
60. Karatzias T, Shevlin M, Murphy J, et al. Posttraumatic Stress Symptoms and Associated Comorbidity During the COVID-19 Pandemic in Ireland: A Population-Based Study. *Journal of traumatic stress*. 2020;33(4): 365-370. doi: 10.1002/jts.22565
61. Wang J, Huang X, Wang Y, et al. COVID-19 Information Overload, Negative Emotions and Posttraumatic Stress Disorder: A Cross-Sectional Study. *Front Psychiatry*. 2022;13: 894174. doi: 10.3389/fpsy-2022.894174
62. Gupta R., Pandi-Perumal S.R. COVID-somnia: how the pandemic affects sleep/wake regulation and how to deal with it? *Sleep and vigilance*. 2020;4(2): 51–53. doi: 10.1007/s41782-020-00118-0
63. Li Y., Qin Q., Sun Q., et al. Insomnia and psychological reactions during the COVID-19 outbreak in China. *Journal of Clinical Sleep Medicine*. 2020;16(8): 1417–1418.
64. Kokou-Kpolou C.K., Megalaki O., Laimou D., et al. Insomnia during COVID-19 pandemic and lockdown: prevalence, severity, and associated risk factors in French population. *Psychiatry research*. 2020;290: 113128. doi: <https://doi.org/10.1016/j.psychres.2020.113128>
65. Robillard R., Dion K., Pennestri M.H., et al. Profiles of sleep changes during the COVID-19 pandemic: demographic, behavioural and psychological factors. *Journal of sleep research*. 2021;30 (1): 13231 doi: 10.1111/jsr.13231
66. Voitsidis P., Gliatas I., Bairachtari V., et al. Insomnia during the COVID-19 pandemic in a Greek population. *Psychiatry research*. 2020;289: 113076. doi: 10.1016/j.psychres.2020.113076
67. Musse F.C.C., Castro L.S., Sousa K.M.M., et al. Mental violence: the COVID-19 nightmare. *Front Psychiatry*. 2020;11: 579289. doi: <https://doi.org/10.3389/fpsy.2020.579289>



68. Banerjee D, Kosagisharaf JR, Sathyanarayana Rao TS. 'The dual pandemic' of suicide and COVID-19: A biopsychosocial narrative of risks and prevention. *Psychiatry Research*. 2021;295: 113577 doi: 10.1016/j.psychres.2020.113577
69. Wasserman IM. The impact of epidemic, war, prohibition and media on suicide: United States, 1910-1920. *Suicide and Life-Threatening Behavior*. 1992;22: 240-254.
70. (70) Cheung YT, Chau PH, Yip PS. A revisit on older adults suicides and Severe Acute Respiratory Syndrome (SARS) epidemic in Hong Kong. *International Journal of Geriatric Psychiatry: A journal of the psychiatry of late life and allied sciences*. 2008;23: 1231-1238. doi: 10.1002/gps.2056.
71. Bitanihirwe BK. Monitoring and managing mental health in the wake of Ebola. Commentary. *Annali dell'Istituto superiore di sanita*. 2016;52: 320-322. doi: 10.4415/ANN\_16\_03\_02.
72. Leo Sher, The impact of the COVID-19 pandemic on suicide rates, *QJM: An International Journal of Medicine*, 2020;113(10): 707-712. doi: 10.1093/qjmed/hcaa202
73. Dubé JP, Smith MM, Sherry SB, et al. Suicide behaviors during the COVID-19 pandemic: A meta-analysis of 54 studies. *Psychiatry Research*. 2021;301: 113998. doi: <https://doi.org/10.1016/j.psychres.2021.113998>
74. Mamun MA, Ullah I. COVID-19 suicides in Pakistan, dying off not COVID-19 fear but poverty? - The forthcoming economic challenges for a developing country. *Brain, behavior, and immunity*. 2020;87: 163-166. doi: 10.1016/j.bbi.2020.05.028
75. Thakur V, Jain A. COVID 2019-suicides: A global psychological pandemic. *Brain, behavior, and immunity*. 2020;88: 952-953. doi: 10.1016/j.bbi.2020.04.062
76. Batawi S, Tarazan N, Al-Raddadi R, et al. Quality of life reported by survivors after hospitalization for Middle East respiratory syndrome (MERS). *Health and quality of life outcomes*. 2019;17(1): 1-7. doi: 10.1186/s12955-019-1165-2
77. Jeong H, Yim HW, Song YJ, et al. Mental health status of people isolated due to Middle East Respiratory Syndrome. *Epidemiology and health*. 2016;38: e2016048. doi: 10.4178/epih.e2016048





78. Lau, J. T., Yang, X., Pang, E., et al. SARS- Related Perceptions in Hong Kong. *Emerging Infectious Diseases*. 2005;11(3): 417-424. doi: <https://doi.org/10.3201/eid1103.040675>
79. Fancourt D, Steptoe A, Bu F. Trajectories of anxiety and depressive symptoms during enforced isolation due to COVID-19 in England: a longitudinal observational study. *Lancet Psychiatry*. 2021;8(2): 141-149. doi: 10.1016/S2215-0366(20)30482-X
80. Ettman CK, Abdalla SM, Cohen GH, et al. Prevalence of depression symptoms in US adults before and during the COVID-19 pandemic. *JAMA Network Open*. 2020;3(9): e2019686.
81. Vahia IV, Jeste DV, Reynolds CF III. Older adults and the mental health effects of COVID-19. *JAMA*. 2020;324(22): 2253-2254. doi:10.1001/jama.2020.21753
82. Bauchner H, Vahia I. Older adults and the mental health effects of COVID-19. 12/09/2022 tarihinde <https://edhub.ama-assn.org/jn-learning/audio-player/18561943> adresinden ulařılmıştır).
83. Wang C, Pan R, Wan X, et al.: A longitudinal study on the mental health of general population during the COVID-19 epidemic in China. *Brain, behavior, and immunity*. 2020;87: 40-48. doi: 10.1016/j.bbi.2020.04.028