

Mindset as Medicine: How the Power of Belief and Hope Can Heal

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Complete References

1. Harvard T.H. Chan: School of Public Health. The most expensive health care system in the world. Harvard Chan website. Available at: <https://www.hsph.harvard.edu/news/hsph-in-the-news/the-most-expensive-health-care-system-in-the-world/>. Accessed July 19, 2021.
2. Papanicolaos I, Woskie LR, Jha AK. Health care spending in the United States and other high-income countries. JAMA. 2018 Mar 13;319(10): 1024-1039.
3. California Health Care Foundation. Infographic — US Health Care Spending: Who Pays? CHCF website. <https://www.chcf.org/publication/us-health-care-spending-who-pays/#related-links-and-downloads> . Accessed July 19, 2021.
4. The Common Wealth Fund. U.S. Health Care from a Global Perspective, 2019: Higher Spending, Worse Outcomes? The Common Wealth Fund website. <https://www.commonwealthfund.org/publications/issue-briefs/2020/jan/us-health-care-global-perspective-2019>. Accessed July 19, 2021.
5. LoBisco, S. Naturopathic Medicine: You Need to Know About, and Consider, Naturopathic Medicine. Natural Path website. Available at: <https://naturalpath.net/mind/mind-body/you-need-to-know-about-and-consider-naturopathic-medicine/>. Accessed October 13, 2021.
6. LoBisco, S. Why We Need to Pay More Attention to Mental Health & How to Holistically Support the Mind-Body [Web page]. The Natural Path Website. May 5, 2020. Available at: <https://naturalpath.net/lobisco/why-we-need-to-pay-more-attention-to-mental-health-how-to-holistically-support-the-mind-body/> Accessed October 14, 2021.
7. LoBisco, S. Why Sickcare Needs Holistic Help. Natural Path website. May 13, 2021. Available at: <https://naturalpath.net/lobisco/why-sickcare-needs-holistic-help/>. Accessed October 14, 2021.



8. Williams, S. COVID-19 and the Social Determinant's of Health. Harvard Medical School Primary Care Review [online]. June 28, 2021. Available at: <http://info.primarycare.hms.harvard.edu/review/covid-social-determinants-health>. Accessed October 14, 2021.
9. Abrams EM, Szeffler SJ. COVID-19 and the impact of social determinants of health. *The Lancet: Respiratory Medicine*. July 1, 2020; 8(7): 659-661.
10. Hsu HE, Ashe EM, Silverstein M, Hofman M, Lange SJ, Razzaghi H, et al. Race/Ethnicity, underlying medical conditions, homelessness, and hospitalization status of adult patients with COVID-19 at an Urban Safety-Net Medical Center - Boston, Massachusetts, 2020. *MMWR Morb Mortal Wkly Rep*. 2020 Jul 10;69(27):864-869
11. Kompaniyets L, Pennington AF, Goodman AB, et al. Underlying medical conditions and severe illness among 540,667 adults hospitalized with COVID-19. March 2020-March 2021. *Prev Chronic Dis*. 2021;18:E66. Published 2021 Jul 1.
12. Kompaniyets L, Agathis NT, Nelson JM, et al. Underlying medical conditions associated with severe COVID-19 illness among children. *JAMA Netw Open*. 2021;4(6):e2111182. Published 2021 Jun 1.
13. Franki, R. Anxiety, Depression Track With Prevalence of COVID Cases. *Medscape Medical News* website. October 13, 2021. Available at: <https://www.medscape.com/viewarticle/960817?src>. Accessed October 13, 2021.
14. Taquet M, Luciano S, Geddes JR, Harrison PJ. Bidirectional associations between COVID-19 and psychiatric disorder: retrospective cohort studies of 62 354 COVID-19 cases in the USA. *Lancet Psychiatry*. 2021 Feb;8(2):130-140. Erratum in: *Lancet Psychiatry*. 2021 Jan;8(1):e1. PMID: 33181098; PMCID: PMC7820108.
15. Nystad W, et al. Underlying conditions in adults with COVID-19. *Tidsskr Nor Laegeforen*. 2020 Sep 16;140(13). English, Norwegian.
16. Choi YJ, et al. Variable effects of underlying diseases on the prognosis of patients with COVID-19. *PLoS One*. 2021;16(7):e0254258. Published 2021 Jul 19.
17. Hawksley H. A Divided World Struggles with Covid-19. The Covid-19 pandemic should have encouraged unity among governments around the globe; instead, it exacerbated antagonism and selfish responses. *Yale Global Online*. July 7, 2020. <https://archive-yaleglobal.yale.edu/content/divided-world-struggles-covid-19>. Accessed October 25, 2021.
18. LoBisco, S. Re-emerging into a Simmering Society, How Medicine Can Heed the Wake-Up Call: Trepidation, Fears, Unrest, and Hope Sprinkled in as the Global Community Attempts to Move Forward. *dr-lobisco.com* website. Available at: <https://dr-lobisco.com/prejudice-stigma-grouphink-medicine-health-outcomes-naturopathic-doctor-albany-ny/>. Accessed November 12, 2021.
19. Cleveland Clinic. How the Pandemic Is Straining the Healthcare System – and What You Can Do to Help. *Cleveland Clinic Family Medicine Website*. December 20, 2020. Available at:

<https://health.clevelandclinic.org/how-the-pandemic-is-straining-the-healthcare-system-and-what-you-can-do-to-help/>. Accessed October 21, 2021.

20. Argulian E. Anticipating the “Second Wave”; of Health Care Strain in the COVID-19 Pandemic. JACC Case Rep. 2020;2(5):845-846.
21. Lewis J. The COVID-19 Strain On Health Care Remains, As Administrators Look To Long-Term Impacts. JDSPURA website. April 21, 2021. Available at: <https://www.jdsupra.com/legalnews/the-covid-19-strain-on-health-care-6775783/>. Accessed October 21, 2021.
22. Mora A. Providers face challenges as COVID-19 puts strains on healthcare system. University of North Texas Health Science Center at Fort Worth website. Available at: <https://www.unthsc.edu/newsroom/story/providers-face-challenges-as-covid-19-puts-strains-on-healthcare-system/>. Accessed October 21, 2021.
23. Institute for Functional Medicine. Clinician Burnout: Maintaining Balance and Resilience. Institute for Functional Medicine website. Available at: <https://www.ifm.org/news-insights/clinician-burnout-ways-care-self/> Accessed October 13, 2021.
24. Schepker, K. Sales Surges & Supply Shortages: Supplement Brands Navigate Choppy Post-COVID Seas. Holistic Primary Care. September 4, 2020. <https://holisticprimarycare.net/uncategorized/sales-surges-supply-shortages-supplement-brands-navigate-choppy-post-covid-seas/> . Accessed October 21, 2021.
25. Goldman, E. Natural Products Industry Rises to Meet COVID Challenges. Holistic Primary Care. September 11, 2021. Available at: <https://holisticprimarycare.net/uncategorized/natural-products-industry-rises-to-meet-covid-challenges/> . Accessed October 21, 2021.
26. Reynolds, C. The Analyst’s Take: 36% of US consumers report increased supplement use during pandemic. New Hope Network website. April 9, 2020. Available at: <https://www.newhope.com/market-data-and-analysis/analysts-take-36-us-consumers-report-increased-supplement-use-during> . Accessed October 23, 2021.
27. Evans A, Santos E, Ford M. Impact of COVID-19 on Vitamins, Minerals, and Supplements. L.E.K Insights. L.E.K. website. May 1, 2020. Available at: <https://www.lek.com/insights/ei/impact-covid-19-vitamins-minerals-and-supplements>. Accessed November 1, 2021.
28. Ang L, Song E, Lee HW, Lee MS. Herbal medicine for the treatment of coronavirus disease 2019 (COVID-19): A systematic review and meta-analysis of randomized controlled trials. J Clin Med. 2020 May 23;9(5):1583.
29. Lam CS, Koon HK, Chung VC, Cheung YT. A public survey of traditional, complementary and integrative medicine use during the COVID-19 outbreak in Hong Kong. PLoS One. 2021;16(7):e0253890. Published 2021 Jul 1.
30. Report Ocean. Open PR. Complementary And Alternative Medicine Market Impact and Opportunities During Coronavirus Lockdown and Forecast Assessment 2021-2027 Columbia Nutritional, Nordic Nutraceuticals, Herb Pharm, Sheng Chang Pharmaceutical Company. [Press Release] October 25, 2021. <https://www.openpr.com/news/2440274/complementary-and-alternative-medicine-market-impact> . Accessed October 25, 2021.

31. Institute for Functional Medicine. IFM COVID-19 Functional Medicine Resources. Institute for Functional Medicine website. Available at: <https://info.ifm.org/covid-19>. Accessed October 13, 2021.
32. American Association of Naturopathic Physicians (AANP). COVID-19 Resources and Guidelines for NDs. AANP website. Available at: <https://naturopathic.org/page/Covid19Resources> . Accessed October 13, 2021.
33. Lordan R, Rando HM; COVID-19 Review Consortium, Greene CS. Dietary Supplements and Nutraceuticals Under Investigation for COVID-19 Prevention and Treatment. ArXiv [Preprint]. 2021 Feb 3:arXiv:2102.02250v1. Update in: mSystems. 2021 May 4;6(3): PMID: 33564696; PMCID: PMC7872359.
34. National Institute of Health: National Center for Complementary and Alternative Medicine. COVID-19 and “Alternative” Treatments: What You Need To Know. NIH Website. October 15, 2021. Available at: <https://www.nccih.nih.gov/health/covid-19-and-alternative-treatments-what-you-need-to-know> . Accessed November 1, 2021.
35. Alliance for Natural Health. Doctors Gagged as Feds Launch Censorship Campaign [Web page]. Alliance for Natural Health website. May 28, 2020. Available at: <https://anh-usa.org/doctors-gagged-as-feds-launch-massive-censorship-campaign/> . Accessed October 25, 2021
36. Gervis, Z. HOME FOR THE HOLIDAYS: Majority of Americans say the upcoming holidays mean so much more after the events of 2020. The Sun. October 22, 2020. Available at: <https://www.thesun.co.uk/news/12999308/americans-upcoming-holidays-2020-pandemic-survey/> . Accessed October 14, 2021.
37. Bauchner H, Easley TJ, on behalf of the entire editorial and publishing staff of JAMA and the JAMA Network. Health care heroes of the COVID-19 pandemic. JAMA. 2020;323(20):2021.
38. Loades, ME, et al. Rapid systematic review: The impact of social isolation and loneliness on the mental health of children and adolescents in the context of COVID-19. Child and Adolescent Psychiatry. November 1, 2020; 59(11): P1218-1239.e3.
39. Carbone SR. Flattening the curve of mental ill-health: the importance of primary prevention in managing the mental health impacts of COVID-19. Ment Health Prev. 2020 Sep;19:200185.
40. Liberman JA, Mayer LS. The Mental Health Aftermath of COVID-19. Medscape website. May 15, 2020. Available at: <https://www.medscape.com/viewarticle/930528>. Accessed October 14, 2021.
41. Houghton K. Families, Communities Divided Over COVID Vaccination In Rural Montana. May 11, 2021. NPR website. Available at: <https://www.npr.org/sections/health-shots/2021/05/11/995424899/families-communities-divided-over-covid-vaccination-in-rural-montana> . Accessed November 12, 2021.
42. Hamedy S, Ebrahimji A. The pandemic has destroyed friendships and divided families. CNN news website. December 15, 2020. Available at: <https://www.cnn.com/2020/12/15/us/pandemic-rift-friendships-wellness-trnd/index.html>. Accessed November 12, 2021.
43. Holt-Lunstad J, Smith TB, Layton JB. Social relationships and mortality risk: a meta-analytic review. PLoS Med. 2010;7(7):e1000316. Published 2010 Jul 27.
44. Umberson D, Montez JK. Social relationships and health: a flashpoint for health policy. J Health Soc Behav. 2010;51 Suppl(Suppl):S54-S66. doi:10.1177/002214651038350.

45. Centers for Disease Control and Prevention. Alzheimer's Disease and Healthy Aging. Loneliness and Social Isolation Linked to Serious Health Conditions. CDC website. Available at: <https://www.cdc.gov/aging/publications/features/lonely-older-adults.html>. Accessed November 1, 2021.
46. Puterman E, Weiss J, Hives BA, Gemmil A, Karasek D, Berry Mendes W, et al. Predicting mortality from 57 economic, behavioral, social, and psychological factors. *Proceedings of the National Academy of Sciences*. Jul 2020;117 (28):16273-16282; 47. Patel Saxena S. Leveraging time with lifestyle-based group visits. *Am J Lifestyle Med*. 2016 Jun 23;10(5):330-337.
48. Gardiner P, Luo M, Amico S, et al. Effectiveness of integrative medicine group visits in chronic pain and depressive symptoms: A randomized controlled trial. *PLoS One*. 2019;14(12):e0225540. Published 2019 Dec 18.
49. Daly M, Sutin AR, Robinson E. Depression reported by US adults in 2017-2018 and March and April 2020. *J Affect Disord*. 2021;278:131-135.
50. Mental Health America (MHA). The State of Mental Health in America: 2021. MHA website. Available at: <https://mhanational.org/issues/state-mental-health-america> Accessed October 14, 2021. Downloadable pdf: <https://mhanational.org/sites/default/files/Spotlight%202021%20-%20COVID-19%20and%20Mental%20Health.pdf>
51. Mental Health America (MHA). 2020 Ranking Guidelines. MHA website. Available at: <https://www.mhanational.org/issues/2020/mental-health-america-ranking-guidelines> . Accessed October 14, 2021.
52. Mental Health America (MHA). 2020 View All Data. MHA website. Available at: <https://mhanational.org/issues/2020/mental-health-america-all-data>. Accessed October 14, 2021.
53. Vahratian A, Blumberg SJ, Terlizzi EP, Schiller JS. Symptoms of anxiety or depressive disorder and use of mental health care among adults during the COVID-19 pandemic —United States, August 2020–February 2021. *MMWR Morb Mortal Wkly Rep*. 2021;70:490–494.
54. American Academy of Child and Adolescent Psychiatry (AACAP). Pediatricians, Child and Adolescent Psychiatrists and Children's Hospitals Declare National Emergency in Children's Mental Health. AACAP website. October 1, 2021. Available at: https://www.aacap.org/AACAP/zLatest_News/Pediatricians_CAPs_Childrens_Hospitals_Declare_National_Emergency_Childrens_Mental_Health.aspx Accessed October 24, 2021.
55. Ali MM. Mental Health Consequences of COVID-19: The Role of Social Determinants of Health Research Brief. April 8, 2021. ASPE (Office of Assistant Secretary for Planning and Evaluation) website. Available at: <https://aspe.hhs.gov/reports/mental-health-consequences-covid-19-role-social-determinants-health-research-brief> . Accessed October 22, 2021.
56. Gordon J. One Year In: COVID-19 and Mental Health. NIH webpage. April 9, 2021. Available at: <https://www.nimh.nih.gov/about/director/messages/2021/one-year-in-covid-19-and-mental-health> . Accessed October 25, 2021.
57. McNamara D. CDC: Mood Disorders Increase Risk for Severe COVID-19. Medscape News. Medscape website. October 28, 2021. Available at: <https://www.medscape.com/viewarticle/961805?src=> . Accessed October 28, 2021.

58. Das-Munshi J, Change CK, Bakolis I, Broadbent M, Dregan A, Hotopf M, et al. All-cause and cause-specific mortality in people with mental disorders and intellectual disabilities, before and during the COVID-19 pandemic: cohort study. *The Lancet Regional Health- Europe*. Available online 7 October 2021. DOI:
59. Henderson C, Evans-Lacko S, Thornicroft G. Mental illness stigma, help seeking, and public health programs. *Am J Public Health*. 2013;103(5):777-780.
60. Waitzfelder B, Stewart C, Coleman KJ, et al. Treatment initiation for new episodes of depression in primary care settings. *J Gen Intern Med*. 2018;33(8):1283-1291.
61. Shrestha Manandhar J, Shrestha R, Basnet N, et al. Study of adherence pattern of antidepressants in patients with depression. *Kathmandu Univ Med J*. 2017;15(57):3-9.
62. Zivin K. Antidepressant non-adherence is common among veterans, with ineffectiveness and side effects as commonly reported reasons. *Evid Based Ment Health*. 011;14(4):91.
63. Barbui C, Cipriani A, Patel V, Ayuso-Mateos JL, van Ommeren M. Efficacy of antidepressants and benzodiazepines in minor depression: systematic review and meta-analysis. *Br J Psychiatry*. 2011;198(1):11-16.
64. Jakobsen JC, Katakam KK, Schou A, et al. Selective serotonin reuptake inhibitors versus placebo in patients with major depressive disorder. A systematic review with meta-analysis and trial sequential analysis [published correction appears in *BMC Psychiatry*. 2017;17(1):162]. *BMC Psychiatry*. 2017;17(1):58. doi:10.1186/s12888-016-1173-2.
65. Prousky JE. The Stressed Brain – A Clinician’s Perspective. Townsend Letter website. Available at: <https://www.townsendletter.com/article/448-stressed-brain-a-clinicians-perspective/> . Accessed October 14, 2021.
66. Avenaim, J. Health During COVID-19. Mental Health Foundation website. Available at: <https://mentalhealthfoundation.org/mental-health-during-covid-19/> . Accessed November 1 2021.
67. LoBisco, S. Medicating Stress & Depression Away: Search for the “Dr. Feel Good” Pill (Part I). Natural Path website. March 13, 2021. Available at: <https://naturalpath.net/experts/medicating-stress-depression-away-search-dr-feel-good-pill/> Accessed October 14, 2021.
68. Dyer, W. Open Your Minds. Wayne’s Blog website. Available at: <https://www.drwaynedyer.com/blog/open-your-mind/> . Accessed October 15, 2021.
69. Early, J. How to Think with the Mindset of Jesus. The Bible Speaks to You website. August 9, 2021. Available at: <https://thebiblespeakstoyou.com/how-to-think-with-the-mindset-of-jesus/> . Accessed October 15, 2021.
70. Burke, AG. What is the Mind?—A Mediator’s Guide. Spirituality & Health website. Available at: <https://www.spiritualityhealth.com/articles/2017/01/08/what-mind-meditators-guide> . Accessed October 15, 2021.
71. Carter A, Raypole C. What is the Placebo Effect? Placebo vs. Nocebo. Healthline website. February 25, 2019. <https://www.healthline.com/health/nocebo-effect> . Accessed November 1, 2021.

72. Harvard Medical School. The power of the placebo effect. Harvard Health Publishing, Harvard Medical School website. August 9, 2019. Available at: <https://www.health.harvard.edu/mental-health/the-power-of-the-placebo-effect> . Accessed October 15, 2021.
73. Benedetti F, Carlino E, Pollo A. How placebos change the patient's brain. *Neuropsychopharmacology*. 2011;36(1):339-354.
74. Wager TD, Atlas LY. The neuroscience of placebo effects: connecting context, learning and health. *Nat Rev Neurosci*. 2015;16(7):403-418.
75. Kirsch I. Antidepressants and the Placebo Effect. *Z Psychol*. 2014;222(3):128-134.
76. Seladi-Schulman J. What Is the Placebo Effect and Is It Real? Healthline website. February 13, 2020. Available at: <https://www.healthline.com/health/placebo-effect#the-psychology> . Accessed October 15, 2021.
77. Geuter S, Koban L, Wager TD. The cognitive neuroscience of placebo effects: Concepts, predictions, and physiology [abstract]. *Annu Rev Neurosci* [online]. 2017 Jul 25;40:167-188.
78. Pouillon L, Socha M, Demore B, Thilly N, Abitbol V, Danese S, Peyrin-Biroulet L. The nocebo effect: a clinical challenge in the era of biosimilars [abstract]. *Expert Rev Clin Immunol* [online]. 2018 Sep;14(9):739-749.
79. Požgain I, Požgain Z, Degmečić D. Placebo and nocebo effect: a mini-review. *Psychiatr Danub*. 2014 Jun;26(2):100-7.
80. Pouillon L, Socha M, Demore B, Thilly N, Abitbol V, Danese S, Peyrin-Biroulet L. The nocebo effect: a clinical challenge in the era of biosimilars. *Expert Rev Clin Immunol*. 2018 Sep;14(9):739-749.
81. Klein, G. Mindsets. What are They and Why They Matter. Psychology Today website. May 1, 2016. Available at: <https://www.psychologytoday.com/us/blog/seeing-what-others-dont/201605/mindsets>. Accessed November 19, 2021.

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