

- Residency: University of Washington Medical Center Dept of Medicine (2001) WA
- Medical Education: University of Colorado Health Science Center (1998) CO

Research & Scholarship

CLINICAL TRIALS

- Ibrutinib and Obinutuzumab With or Without Venetoclax in Treating Patients With Chronic Lymphocytic Leukemia, Not Recruiting
- Ibrutinib and Rituximab Compared With Fludarabine Phosphate, Cyclophosphamide, and Rituximab in Treating Patients With Untreated Chronic Lymphocytic Leukemia or Small Lymphocytic Lymphoma, Not Recruiting
- Performance Nutrition for Residents and Fellows, Not Recruiting

Publications

PUBLICATIONS

- **Prevalence and Workplace Drivers of Burnout in Cancer Care Physicians in Ontario, Canada.** *JCO oncology practice*
Singh, S., Farrelly, A., Chan, C., Nicholls, B., Nazeri-Rad, N., Bellicoso, D., Eisen, A., Falkson, C. B., Fox, C., Holloway, C., Kennedy, E., McLeod, R., Rothenberger, et al
2021: OP2100170
- **Clinical Characteristics and Outcomes of Patients with Chronic Lymphocytic Leukemia (CLL), 80 Years of Age or Older**
Hampel, P., Call, T., Rabe, K., Achenbach, S., Muchtar, E., Kenderian, S., Wang, Y., Koehler, A., Leis, J., Schwager, S., Van Dyke, D., Shi, M., Hanson, et al
CIG MEDIA GROUP, LP.2021: S324-S325
- **How Feedback Is Given Matters: A Cross-Sectional Survey of Patient Satisfaction Feedback Delivery and Physician Well-being.** *Mayo Clinic proceedings*
Vilendrer, S. M., Kling, S. M., Wang, H., Brown-Johnson, C., Jayaraman, T., Trockel, M., Asch, S. M., Shanafelt, T. D.
2021
- **Measurable Residual Disease Does Not Preclude Prolonged Progression-free Survival in CLL Treated with Ibrutinib.** *Blood*
Wang, V., Hanson, C. A., Tschumper, R., Lesnick, C., Braggio, E., Paietta, E., O'Brien, S. M., Barrientos, J., Leis, J. F., Zhang, C. C., Coutre, S. E., Barr, P. M., Cashen, et al
2021
- **Cause of death in patients with newly diagnosed chronic lymphocytic leukemia (CLL) stratified by the CLL-International Prognostic Index.** *Blood cancer journal*
Wang, Y., Achenbach, S. J., Rabe, K. G., Shanafelt, T. D., Call, T. G., Ding, W., Kenderian, S. S., Muchtar, E., Leis, J. F., Koehler, A. B., Schwager, S. M., Cerhan, J. R., Slager, et al
2021; 11 (8): 140
- **Colleagues Meeting to Promote and Sustain Satisfaction (COMPASS) Groups for Physician Well-Being: A Randomized Clinical Trial.** *Mayo Clinic proceedings*
West, C. P., Dyrbye, L. N., Satele, D. V., Shanafelt, T. D.
2021
- **Polygenic risk score and risk of monoclonal B-cell lymphocytosis in caucasians and risk of chronic lymphocytic leukemia (CLL) in African Americans.** *Leukemia*
Kleinstern, G., Weinberg, J. B., Parikh, S. A., Braggio, E., Achenbach, S. J., Robinson, D. P., Norman, A. D., Rabe, K. G., Boddicker, N. J., Vachon, C. M., Lesnick, C. E., Call, T. G., Brander, et al
2021
- **Suicidal Ideation and Attitudes Regarding Help Seeking in US Physicians Relative to the US Working Population.** *Mayo Clinic proceedings*
Shanafelt, T. D., Dyrbye, L. N., West, C. P., Sinsky, C., Tutty, M., Carlasare, L. E., Wang, H., Trockel, M.
2021
- **Frustration With Technology and its Relation to Emotional Exhaustion Among Health Care Workers: Cross-sectional Observational Study.** *Journal of medical Internet research*
Tawfik, D. S., Sinha, A., Bayati, M., Adair, K. C., Shanafelt, T. D., Sexton, J. B., Profit, J.
2021; 23 (7): e26817

- **Occupational and Personal Consequences of the COVID-19 Pandemic on US Oncologist Burnout and Well-Being: A Study From the ASCO Clinician Well-Being Task Force.** *JCO oncology practice*
Hlubocky, F. J., Back, A. L., Shanafelt, T. D., Gallagher, C. M., Burke, J. M., Kamal, A. H., Paice, J. A., Page, R. D., Spence, R., McGinnis, M., McFarland, D. C., Srivastava, P.
2021; OP2100147
- **Self-valuation Challenges in the Culture and Practice of Medicine and Physician Well-being.** *Mayo Clinic proceedings*
Trockel, M., Sinsky, C., West, C. P., Dyrbye, L. N., Tutty, M., Carlasare, L., Wang, H., Shanafelt, T.
2021
- **Examining the measurement equivalence of the Maslach Burnout Inventory across age, gender, and specialty groups in US physicians.** *Journal of patient-reported outcomes*
Brady, K. J., Sheldrick, R. C., Ni, P., Trockel, M. T., Shanafelt, T. D., Rowe, S. G., Kazis, L. E.
2021; 5 (1): 43
- **Creating a Blueprint of Well-Being in Oncology: An Approach for Addressing Burnout From ASCO's Clinician Well-Being Taskforce.** *American Society of Clinical Oncology educational book. American Society of Clinical Oncology. Annual Meeting*
Hlubocky, F. J., Shanafelt, T. D., Back, A. L., Paice, J. A., Tetzlaff, E. D., Friese, C. R., Kamal, A. H., McFarland, D. C., Lyckholm, L., Gallagher, C. M., Chatwal, M., Saltzman, J., Dudzinski, et al
2021; 41: e339-e353
- **PA job satisfaction and career plans.** *JAAPA : official journal of the American Academy of Physician Assistants*
Halasy, M. P., West, C. P., Shanafelt, T., O'Laughlin, D. J., Satele, D., Dyrbye, L. N.
2021; 34 (6): 1-12
- **Personal and Professional Factors Associated With Work-Life Integration Among US Physicians.** *JAMA network open*
Tawfik, D. S., Shanafelt, T. D., Dyrbye, L. N., Sinsky, C. A., West, C. P., Davis, A. S., Su, F., Adair, K. C., Trockel, M. T., Profit, J., Sexton, J. B.
2021; 4 (5): e2111575
- **Novel Nonproprietary Measures of Ambulatory Electronic Health Record Use Associated with Physician Work Exhaustion.** *Applied clinical informatics*
Sinha, A., Shanafelt, T. D., Trockel, M., Wang, H., Sharp, C.
2021; 12 (3): 637-646
- **Burnout Phenotypes Among U.S. General Surgery Residents.** *Journal of surgical education*
Huang, R., Hewitt, D. B., Cheung, E. O., Agarwal, G., Etkin, C. D., Smink, D. S., Shanafelt, T. D., Bilimoria, K. Y., Hu, Y.
2021
- **The CLL-international prognostic index (CLL-IPI) predicts outcomes in monoclonal B-cell lymphocytosis and Rai 0 CLL.** *Blood*
Parikh, S. A., Rabe, K. G., Kay, N. E., Call, T. G., Ding, W., Leis, J. F., Kenderian, S. S., Muchtar, E., Wang, Y., Koehler, A., Schwager, S. M., Lesnick, C., Kleinstern, et al
2021
- **The association between perceived electronic health record usability and professional burnout among US nurses.** *Journal of the American Medical Informatics Association : JAMIA*
Melnick, E. R., West, C. P., Nath, B., Cipriano, P. F., Peterson, C., Satele, D. V., Shanafelt, T., Dyrbye, L. N.
2021
- **Burnout and Professional Fulfillment in Early and Early-Mid-Career Breast Surgeons.** *Annals of surgical oncology*
Zhang, J. Q., Dong, J., Pardo, J., Emhoff, I., Seres, S., Shanafelt, T., James, T.
2021
- **Radiologist Well-Being and Professional Fulfillment in the COVID-19 Era: Fostering Posttraumatic Growth.** *Journal of the American College of Radiology : JACR*
Kruskal, J. B., Shanafelt, T.
2021
- **Establishing Crosswalks Between Common Measures of Burnout in US Physicians.** *Journal of general internal medicine*
Brady, K. J., Ni, P., Carlasare, L., Shanafelt, T. D., Sinsky, C. A., Linzer, M., Stillman, M., Trockel, M. T.
2021
- **Physician Distress and Burnout: The Neurobiological Perspective.** *Mayo Clinic proceedings*

- Arnsten, A. F., Shanafelt, T.
2021; 96 (3): 763–69
- **WORK-RELATED STRESSORS IMPACTING END OF LIFE CARE IN HOSPICE: A FOCUS GROUP STUDY**
Lehto, R. H., Heeter, C., Shanafelt, T., Kamal, A., Miller, P., Paletta, M.
ONCOLOGY NURSING SOC.2021
 - **Assessment of the Association of Leadership Behaviors of Supervising Physicians With Personal-Organizational Values Alignment Among Staff Physicians.** *JAMA network open*
Shanafelt, T. D., Wang, H., Leonard, M., Hawn, M., McKenna, Q., Majzun, R., Minor, L., Trockel, M.
2021; 4 (2): e2035622
 - **The Role of Personal Accomplishment in General Surgery Resident Wellbeing.** *Annals of surgery*
Khorfan, R., Hu, Y., Agarwal, G., Eng, J., Riall, T., Choi, J., Are, C., Shanafelt, T., Bilimoria, K. Y., Cheung, E. O.
2021
 - **The humoral immune response to high-dose influenza vaccine in persons with monoclonal B-cell lymphocytosis (MBL) and chronic lymphocytic leukemia (CLL).** *Vaccine*
Whitaker, J. A., Parikh, S. A., Shanafelt, T. D., Kay, N. E., Kennedy, R. B., Grill, D. E., Goergen, K. M., Call, T. G., Kendarian, S. S., Ding, W., Poland, G. A.
2021
 - **Physician Task Load and the Risk of Burnout Among US Physicians in a National Survey.** *Joint Commission journal on quality and patient safety*
Harry, E. n., Sinsky, C. n., Dyrbye, L. N., Makowski, M. S., Trockel, M. n., Tutty, M. n., Carlsare, L. E., West, C. P., Shanafelt, T. D.
2021; 47 (2): 76–85
 - **Vascular surgeon wellness and burnout: A report from the Society for Vascular Surgery Wellness Task Force.** *Journal of vascular surgery*
Coleman, D. M., Money, S. R., Meltzer, A. J., Wohlauer, M., Drudi, L. M., Freischlag, J. A., Hallbeck, S., Halloran, B., Huber, T. S., Shanafelt, T., Sheahan, M. G.
2021; 73 (6): 1841-1850.e3
 - **Clinicians and Professional Societies COVID-19 Impact Assessment: Lessons Learned and Compelling Needs.** *NAM perspectives*
Madara, J., Miyamoto, S., Farley, J. E., Gong, M., Gorham, M., Humphrey, H., Irons, M., Mehrotra, A., Resneck, J. J., Rushton, C., Shanafelt, T.
2021; 2021
 - **Understanding memorably negative provider care delivery experiences: Why patient experiences matter for providers.** *Healthcare (Amsterdam, Netherlands)*
Ling, E. J., Shanafelt, T. D., Singer, S. J.
2021; 9 (3): 100544
 - **Impact of the COVID-19 Pandemic on Oncologist Burnout, Emotional Well-Being, and Moral Distress: Considerations for the Cancer Organization's Response for Readiness, Mitigation, and Resilience.** *JCO oncology practice*
Hlubocky, F. J., Symington, B. E., McFarland, D. C., Gallagher, C. M., Dragnev, K. H., Burke, J. M., Lee, R. T., El-Jawahri, A. n., Popp, B. n., Rosenberg, A. R., Thompson, M. A., Dizon, D. S., Srivastava, et al
2021: OP2000937
 - **Wellness-Centered Leadership: Equipping Health Care Leaders to Cultivate Physician Well-Being and Professional Fulfillment.** *Academic medicine : journal of the Association of American Medical Colleges*
Shanafelt, T., Trockel, M., Rodriguez, A., Logan, D.
2020; Publish Ahead of Print
 - **Natural History of Monoclonal B-cell Lymphocytosis (MBL) Among Relatives in Chronic Lymphocytic Leukemia (CLL) Families.** *Blood*
Slager, S. L., Lanasa, M. C., Marti, G. E., Achenbach, S. J., Camp, N. J., Abbasi, F., Kay, N. E., Vachon, C. M., Cerhan, J. R., Johnston, J. B., Call, T. G., Rabe, K. G., Kleinstern, et al
2020
 - **Assessment of Electronic Health Record Use Between US and Non-US Health Systems.** *JAMA internal medicine*
Holmgren, A. J., Downing, N. L., Bates, D. W., Shanafelt, T. D., Milstein, A., Sharp, C. D., Cutler, D. M., Huckman, R. S., Schulman, K. A.
2020
 - **Perceived electronic health record usability as a predictor of task load and burnout among US physicians: A mediation analysis.** *Journal of medical Internet research*
Melnick, E. R., Harry, E., Sinsky, C. A., Dyrbye, L. N., Wang, H., Trockel, M. T., West, C. P., Shanafelt, T.

2020

- **Assessment of Physician Sleep and Wellness, Burnout, and Clinically Significant Medical Errors.** *JAMA network open*
Trockel, M. T., Menon, N. K., Rowe, S. G., Stewart, M. T., Smith, R., Lu, M., Kim, P. K., Quinn, M. A., Lawrence, E., Marchalik, D., Farley, H., Normand, P., Felder, et al
2020; 3 (12): e2028111
- **Association of Physician Burnout With Suicidal Ideation and Medical Errors.** *JAMA network open*
Menon, N. K., Shanafelt, T. D., Sinsky, C. A., Linzer, M., Carlasare, L., Brady, K. J., Stillman, M. J., Trockel, M. T.
2020; 3 (12): e2028780
- **Physician Burnout, Resilience, and Patient Experience in a Community Practice: Correlations and the Central Role of Activation.** *Journal of patient experience*
Howell, T. G., Mylod, D. E., Lee, T. H., Shanafelt, T., Prissel, P.
2020; 7 (6): 1491–1500
- **From Clinician to Organizational Wellness Reply** *ACADEMIC MEDICINE*
Mountsinai, R., Shanafelt, T.
2020; 95 (11): 1627–28
- **Responsibilities and Job Characteristics of Health Care Chief Wellness Officers in the United States.** *Mayo Clinic proceedings*
Shanafelt, T., Farley, H., Wang, H., Ripp, J., CHARM CWO Network
2020; 95 (11): 2563–66
- **In Reply to Egenger.** *Academic medicine : journal of the Association of American Medical Colleges*
Ripp, J., Shanafelt, T.
2020; 95 (11): 1627–28
- **Ability of the Well-Being Index to identify pharmacists in distress** *JOURNAL OF THE AMERICAN PHARMACISTS ASSOCIATION*
Skrupky, L. P., West, C. P., Shanafelt, T., Satele, D., Dyrbye, L. N.
2020; 60 (6): 906-+
- **A national study of personal accomplishment, burnout, and satisfaction with work-life integration among advance practice nurses relative to other workers.** *Journal of the American Association of Nurse Practitioners*
Dyrbye, L. N., West, C. P., Kelsey, E. A., Gossard, A. A., Satele, D., Shanafelt, T.
2020
- **Analysis of ECOG-ACRIN clinical trials to advance longitudinal assessment of cancer treatment tolerability**
Peipert, J., Zhao, F., Lee, J., Hong, F., Ip, E., Gareen, I., Carlos, R., Mayer, I., Miller, K., Partridge, A., Shanafelt, T., Stewart, K., Tarhini, et al
SPRINGER.2020: S13
- **Relationship Between Burnout and Professional Behaviors and Beliefs Among US Nurses.** *Journal of occupational and environmental medicine*
Dyrbye, L., West, C. P., Hunderfund, A. L., Johnson, P., Cipriano, P., Peterson, C., Beatty, D., Major-Elechi, B., Shanafelt, T.
2020
- **Hospice Employees' Perceptions of Their Work Environment: A Focus Group Perspective.** *International journal of environmental research and public health*
Lehto, R. H., Heeter, C., Forman, J., Shanafelt, T., Kamal, A., Miller, P., Paletta, M.
2020; 17 (17)
- **Delineation of clinical and biological factors associated with cutaneous squamous cell carcinoma amongst chronic lymphocytic leukemia patients.** *Journal of the American Academy of Dermatology*
Kleinstern, G., Rishi, A., Achenbach, S. J., Rabe, K. G., Kay, N. E., Shanafelt, T. D., Ding, W., Leis, J. F., Norman, A. D., Call, T. G., Cerhan, J. R., Parikh, S. A., Baum, et al
2020
- **RESILIENCE AND BURNOUT AMONG PHYSICIANS AND THE GENERAL US WORKING POPULATION**
West, C. P., Dyrbye, L., Sinsky, C., Trockel, M., Tutty, M., Nedelec, L., Carlasare, L. E., Shanafelt, T.
SPRINGER.2020: S257
- **Resilience and Burnout Among Physicians and the General US Working Population.** *JAMA network open*
West, C. P., Dyrbye, L. N., Sinsky, C., Trockel, M., Tutty, M., Nedelec, L., Carlasare, L. E., Shanafelt, T. D.

2020; 3 (7): e209385

- **Describing the emotional exhaustion, depersonalization, and low personal accomplishment symptoms associated with Maslach Burnout Inventory subscale scores in US physicians: an item response theory analysis.** *Journal of patient-reported outcomes*
Brady, K. J., Ni, P., Sheldrick, R. C., Trockel, M. T., Shanafelt, T. D., Rowe, S. G., Schneider, J. I., Kazis, L. E.
2020; 4 (1): 42
- **Association of Perceived Electronic Health Record Usability With Patient Interactions and Work-Life Integration Among US Physicians.** *JAMA network open*
Melnick, E. R., Sinsky, C. A., Dyrbye, L. N., Trockel, M., West, C. P., Nedelec, L., Shanafelt, T.
2020; 3 (6): e207374
- **Advancing Physician Well-Being: A Population Health Framework.** *Mayo Clinic proceedings*
Trockel, M., Corcoran, D., Minor, L. B., Shanafelt, T. D.
2020
- **Atrial fibrillation in patients with chronic lymphocytic leukemia (CLL) treated with ibrutinib: risk prediction, management, and clinical outcomes.** *Annals of hematology*
Archibald, W. J., Rabe, K. G., Kabat, B. F., Herrmann, J., Ding, W., Kay, N. E., Kenderian, S. S., Muchtar, E., Leis, J. F., Wang, Y., Chanan-Khan, A. A., Schwager, S. M., Koehler, et al
2020
- **Cause of death in patients with newly diagnosed chronic lymphocytic leukemia (CLL) stratified by the CLL-International Prognostic Index (CLL-IPI).**
Wang, Y., Achenbach, S. J., Rabe, K. G., Shanafelt, T. D., Call, T., Ding, W., Kenderian, S., Muchtar, E., Leis, J., Koehler, A., Schwager, S. M., Cerhan, J., Slager, et al
AMER SOC CLINICAL ONCOLOGY.2020
- **Burnout and satisfaction with work-life integration among PAs relative to other workers.** *JAAPA : official journal of the American Academy of Physician Assistants*
Dyrbye, L. N., West, C. P., Halasy, M., O#Laughlin, D. J., Satele, D., Shanafelt, T.
2020; 33 (5): 35–44
- **The Health Care Chief Wellness Officer: What the Role Is and Is Not.** *Academic medicine : journal of the Association of American Medical Colleges*
Ripp, J., Shanafelt, T.
2020
- **Fortifying Our Teams to Best Serve Our Patients: A Report of the 2019 Summer Intersociety Meeting.** *Journal of the American College of Radiology : JACR*
Kruskal, J., Meltzer, C. C., Shanafelt, T., Gupta, S., Rawson, J., Deitte, L., Gibbs, I., Raybon, C., West, D., Canon, C.
2020
- **Original Research: An Investigation of Career Choice Regret Among American Nurses.** *The American journal of nursing*
Dyrbye, L., West, C., Johnson, P., Cipriano, P., Peterson, C., Beatty, D., Major-Elechi, B., Shanafelt, T.
2020; 120 (4): 24–33
- **Association of Occupational Distress and Sleep-Related Impairment in Physicians With Unsolicited Patient Complaints.** *Mayo Clinic proceedings*
Welle, D., Trockel, M. T., Hamidi, M. S., Hickson, G. B., Menon, N. K., Shanafelt, T. D., Cooper, W. O.
2020; 95 (4): 719–26
- **Findings indicate that burnout is a strong independent predictor.** *An Investigation of Career Choice Regret Among American Nurses AMERICAN JOURNAL OF NURSING*
Dyrbye, L., West, C., Johnson, P., Cipriano, P., Peterson, C., Beatty, D., Major-Elechi, B., Shanafelt, T.
2020; 120 (4): 24–33
- **The impact of dose modification and temporary interruption of ibrutinib on outcomes of chronic lymphocytic leukemia patients in routine clinical practice.** *Cancer medicine*
Parikh, S. A., Achenbach, S. J., Call, T. G., Rabe, K. G., Ding, W., Leis, J. F., Kenderian, S. S., Chanan-Khan, A. A., Koehler, A. B., Schwager, S. M., Muchtar, E., Fonder, A. L., McCullough, et al
2020
- **Risk of serious infection among individuals with and without low count monoclonal B-cell lymphocytosis (MBL).** *Leukemia*
Shanafelt, T. D., Kay, N. E., Parikh, S. A., Achenbach, S. J., Lesnick, C. E., Hanson, C. A., Kleinstern, G., Olson, J. E., Norman, A. D., Rabe, K. G., Schwager, S. M., Call, T. G., Slager, et al

2020

- **The etiology of pleural effusions requiring thoracentesis in patients with chronic lymphocytic leukemia (CLL)**
Koehler, A., Ayed, A., Albitar, H., Call, T., Rabe, K., Ding, W., Kenderian, S., Leis, J., Muchtar, E., Hayman, S., Fonder, A., Schwager, S., Slager, et al
TAYLOR & FRANCIS LTD.2020: 229–31
- **Targeted therapy in relapsed/refractory CLL: a systematic review and network meta-analysis**
Molica, S., Giannareli, D., Shanafelt, T.
TAYLOR & FRANCIS LTD.2020: 189–91
- **Metrics for assessing physician activity using electronic health record log data.** *Journal of the American Medical Informatics Association : JAMIA*
Sinsky, C. A., Rule, A., Cohen, G., Arndt, B. G., Shanafelt, T. D., Sharp, C. D., Baxter, S. L., Tai-Seale, M., Yan, S., Chen, Y., Adler-Milstein, J., Hribar, M.
2020
- **Address Physician Burnout By Restoring Control of Health Care to Physicians-Reply.** *JAMA internal medicine*
Dyrbye, L. N., Shanafelt, T. D., West, C. P.
2020; 180 (2): 334–35
- **Developing institutional infrastructure for physician wellness: qualitative Insights from VA physicians.** *BMC health services research*
Schwartz, R. n., Shanafelt, T. D., Gimmler, C. n., Osterberg, L. n.
2020; 20 (1): 7
- **Association of Burnout, Professional Fulfillment, and Self-care Practices of Physician Leaders With Their Independently Rated Leadership Effectiveness.** *JAMA network open*
Shanafelt, T. D., Makowski, M. S., Wang, H. n., Bohman, B. n., Leonard, M. n., Harrington, R. A., Minor, L. n., Trockel, M. n.
2020; 3 (6): e207961
- **Understanding and Addressing Sources of Anxiety Among Health Care Professionals During the COVID-19 Pandemic.** *JAMA*
Shanafelt, T. n., Ripp, J. n., Trockel, M. n.
2020
- **Burnout, Depression, Career Satisfaction, and Work-Life Integration by Physician Race/Ethnicity.** *JAMA network open*
Garcia, L. C., Shanafelt, T. D., West, C. P., Sinsky, C. A., Trockel, M. T., Nedelec, L. n., Maldonado, Y. A., Tutty, M. n., Dyrbye, L. N., Fassiotto, M. n.
2020; 3 (8): e2012762
- **Promoting Oncologist Well-Being to Foster Delivery of Ethical, High-Quality Cancer Care: Priorities for 2020 and Beyond.** *JCO oncology practice*
Shanafelt, T. D., Kamal, A. H., Hlubocky, F. J.
2020; 16 (4): 188–90
- **Socioeconomic Factors Associated With Burnout Among Oncology Trainees.** *JCO oncology practice*
Ahmed, A. A., Ramey, S. J., Dean, M. K., Takita, C. n., Schwartz, D. n., Wilson, L. D., Vapiwala, N. n., Thomas, C. R., Shanafelt, T. D., Deville, C. n., Jaggi, R. n., Holliday, E. n.
2020; 16 (4): e415–e424
- **Tumor mutational load predicts time to first treatment in chronic lymphocytic leukemia (CLL) and monoclonal B-cell lymphocytosis beyond the CLL international prognostic index.** *American journal of hematology*
Kleinstern, G. n., O'Brien, D. R., Li, X. n., Tian, S. n., Kabat, B. F., Rabe, K. G., Norman, A. D., Yan, H. n., Vachon, C. M., Boddicker, N. J., Call, T. G., Parikh, S. A., Bruins, et al
2020
- **A Call to Action: Ethics Committee Roundtable Recommendations for Addressing Burnout and Moral Distress in Oncology.** *JCO oncology practice*
Hlubocky, F. J., Taylor, L. P., Marron, J. M., Spence, R. A., McGinnis, M. M., Brown, R. F., McFarland, D. C., Tetzlaff, E. D., Gallagher, C. M., Rosenberg, A. R., Popp, B. n., Dragnev, K. n., Bosserman, et al
2020: JOP1900806
- **Pandemic-Driven Posttraumatic Growth for Organizations and Individuals.** *JAMA*
Olson, K. n., Shanafelt, T. n., Southwick, S. n.
2020
- **Development of a conceptual model for understanding the learning environment and surgical resident well-being.** *American journal of surgery*

- Zhang, L. M., Cheung, E. O., Eng, J. S., Ma, M. n., Etkin, C. D., Agarwal, G. n., Shanafelt, T. D., Riall, T. S., Nasca, T. n., Bilimoria, K. Y., Hu, Y. Y., Johnson, J. K.
2020
- **Triggering interferon signaling in T cells with avadomide sensitizes CLL to anti-PD-L1/PD-1 immunotherapy.** *Blood*
Ioannou, N. n., Hagner, P. R., Stokes, M. n., Gandhi, A. K., Apollonio, B. n., Fanous, M. n., Papazoglou, D. n., Sutton, L. A., Rosenquist, R. n., Amini, R. M., Chiu, H. n., Lopez-Girona, A. n., Janardhanan, et al
2020
 - **Everyday Heroism: Maintaining Organizational Cultures of Wellness and Inclusive Excellence Amid Simultaneous Pandemics.** *Academic medicine : journal of the Association of American Medical Colleges*
Fassiotto, M. n., Valantine, H. n., Shanafelt, T. n., Maldonado, Y. n.
2020; Publish Ahead of Print
 - **Developing institutional infrastructure for physician wellness: qualitative insights from VA physicians** *BMC Health Services Research*
Schwartz, R., Shanafelt, T. D., Gimmler, C., Osterberg, L.
2020; 20 (7)
 - **Disparities in Burnout and Satisfaction With Work-Life Integration in U.S. Physicians By Gender and Practice Setting.** *Academic medicine : journal of the Association of American Medical Colleges*
Marshall, A. L., Dyrbye, L. N., Shanafelt, T. D., Sinsky, C. A., Satele, D. n., Trockel, M. n., Tutty, M. n., West, C. P.
2020
 - **Personal-Professional Boundaries and Ethical Issues in Palliative Care** *AMERICAN JOURNAL OF BIOETHICS*
Swetz, K. M., Frazier, S. L., Richardson, J. W., Shanafelt, T. D.
2019; 19 (12): 60–62
 - **Relationship Between Burnout, Professional Behaviors, and Cost-Conscious Attitudes Among US Physicians.** *Journal of general internal medicine*
Dyrbye, L. N., West, C. P., Hunderfund, A. L., Sinsky, C. A., Trockel, M., Tutty, M., Carlasare, L., Satele, D., Shanafelt, T.
2019
 - **Comparison of venetoclax plus rituximab with B-cell receptor inhibitors in patients with relapsed/refractory chronic lymphocytic leukemia: a systematic review and network Meta-analysis.** *Leukemia & lymphoma*
Molica, S., Giannarelli, D., Shanafelt, T. D.
2019: 1–4
 - **Letter to the Editor regarding "Prevalence and Predictors of Burnout Among Hospice and Palliative Care Professionals from 2016 Apr;51(4):690-6.** *Journal of pain and symptom management*
Kamal, A., Bull, J. H., Wolf, S. P., Swetz, K. M., Shanafelt, T. D., Ast, K., Kavalieratos, D., Sinclair, C. T.
2019
 - **Ibrutinib and Rituximab Provides Superior Clinical Outcome Compared to FCR in Younger Patients with Chronic Lymphocytic Leukemia (CLL): Extended Follow-up from the E1912 Trial.** *Blood*
Shanafelt, T. D., Wang, V., Kay, N. E., Hanson, C. A., O'Brien, S. M., Barrientos, J. C., Jelinek, D. F., Braggio, E., Leis, J. F., Zhang, C. C., Coutre, S., Barr, P. M., Cashen, et al
2019; 134 (Supplement_1): 33
 - **Developmental DNA Methylation Subtype Predicts Progression to Treatment and Survival in High-Count Monoclonal B Lymphocytosis**
Giacopelli, B., Chaffee, K. G., Wu, Y., Byrd, J. C., Shanafelt, T. D., Parikh, S. A., Braggio, E., Slager, S. L., Kay, N. E., Oakes, C. C.
AMER SOC HEMATOLOGY.2019
 - **The Association Between Perceived Electronic Health Record Usability and Professional Burnout Among US Physicians.** *Mayo Clinic proceedings*
Melnick, E. R., Dyrbye, L. N., Sinsky, C. A., Trockel, M., West, C. P., Nedelec, L., Tutty, M. A., Shanafelt, T.
2019
 - **Author response: Age and sex differences in burnout, career satisfaction, and well-being in US neurologists.** *Neurology*
LaFaver, K., Miyasaki, J. M., Keran, C. M., Rheume, C., Gulya, L., Levin, K. H., Jones, E. C., Schwarz, H. B., Molano, J. R., Hessler, A., Singhal, D., Shanafelt, T. D., Sloan, et al
2019; 93 (19): 863
 - **Developing a Portfolio to Support Physicians' Efforts to Promote Well-being: One Piece of the Puzzle.** *Mayo Clinic proceedings*

- Menon, N. K., Trockel, M. T., Hamidi, M. S., Shanafelt, T. D.
2019; 94 (11): 2171–77
- **Estimating the Attributable Cost of Physician Burnout in the United States.** *Annals of internal medicine*
Dyrbye, L. N., Awad, K. M., Fiscus, L. C., Sinsky, C. A., Shanafelt, T. D.
2019; 171 (8): 600–601
 - **Self-valuation: Attending to the Most Important Instrument in the Practice of Medicine.** *Mayo Clinic proceedings*
Trockel, M. T., Hamidi, M. S., Menon, N. K., Rowe, S. G., Dudley, J. C., Stewart, M. T., Geisler, C. Z., Bohman, B. D., Shanafelt, T. D.
2019
 - **Characteristics of Academic Physicians Associated With Patient Satisfaction** *AMERICAN JOURNAL OF MEDICAL QUALITY*
Heidenreich, P., Shieh, L., Fassiotto, M., Kahn, J., Weinacker, A., Smith, R., Trockel, M., Shanafelt, T., Palaniappan, L.
2019: 1062860619876344
 - **Associations Between Dietary Patterns and Sleep-Related Impairment in a Cohort of Community Physicians: A Cross-sectional Study** *AMERICAN JOURNAL OF LIFESTYLE MEDICINE*
Hamidi, M. S., Shanafelt, T. D., Hausel, A., Bohman, B. D., Roberts, R., Trockel, M. T.
2019
 - **Physician Work-Life Integration: Challenges and Strategies for Improvement** *CLINICAL OBSTETRICS AND GYNECOLOGY*
Karakash, S., Solone, M., Chavez, J., Shanafelt, T.
2019; 62 (3): 455–65
 - **Changes in Burnout and Satisfaction With Work-Life Integration in Physicians and the General US Working Population Between 2011 and 2017** *MAYO CLINIC PROCEEDINGS*
Shanafelt, T. D., West, C. P., Sinsky, C., Trockel, M., Tutty, M., Satele, D., Carlasare, L. E., Dyrbye, L. N.
2019; 94 (9): 1681–94
 - **Association of elevated serum free light chains with chronic lymphocytic leukemia and monoclonal B-cell lymphocytosis.** *Blood cancer journal*
Clay-Gilmour, A. I., Rishi, A. R., Goldin, L. R., Greenberg-Worisek, A. J., Achenbach, S. J., Rabe, K. G., Maurer, M. J., Kay, N. E., Shanafelt, T. D., Call, T. G., Brice Weinberg, J., Camp, N. J., Cerhan, et al
2019; 9 (8): 59
 - **Effect of a Professional Coaching Intervention on the Well-being and Distress of Physicians: A Pilot Randomized Clinical Trial.** *JAMA internal medicine*
Dyrbye, L. N., Shanafelt, T. D., Gill, P. R., Satele, D. V., West, C. P.
2019
 - **KRAS, NRAS, and BRAF mutations are highly enriched in trisomy 12 chronic lymphocytic leukemia and are associated with shorter treatment-free survival** *LEUKEMIA*
Vendramini, E., Bomben, R., Pozzo, F., Benedetti, D., Bittolo, T., Rossi, F., Dal Bo, M., Rabe, K. G., Pozzato, G., Zaja, F., Chiarenza, A., Di Raimondo, F., Braggio, et al
2019; 33 (8): 2111–15
 - **Assessing Burnout and Professional Fulfillment in Breast Surgery: Results From a National Survey of the American Society of Breast Surgeons.** *Annals of surgical oncology*
Zhang, J. Q., Riba, L., Magrini, L., Fleishman, A., Ukandu, P., Alapati, A., Shanafelt, T., James, T. A.
2019
 - **Healing the Professional Culture of Medicine.** *Mayo Clinic proceedings*
Shanafelt, T. D., Schein, E., Minor, L. B., Trockel, M., Schein, P., Kirch, D.
2019
 - **Developmental subtypes assessed by DNA methylation-iPLEX forecast the natural history of chronic lymphocytic leukemia.** *Blood*
Giacopelli, B., Zhao, Q., Ruppert, A. S., Agyeman, A., Weigel, C., Wu, Y., Gerber, M. M., Rabe, K. G., Larson, M. C., Lu, J., Blachly, J. S., Rogers, K. A., Wierda, et al
2019
 - **Burnout and Satisfaction with Work-Life Integration Among Nurses.** *Journal of occupational and environmental medicine*
Dyrbye, L. N., West, C. P., Johnson, P. O., Cipriano, P. F., Beatty, D. E., Peterson, C., Major-Elechi, B., Shanafelt, T.
2019

- **The magnitude of improvement in progression-free survival with targeted therapy in relapsed/refractory chronic lymphocytic leukemia based on prognostic risk category: a systematic review and meta-analysis** *LEUKEMIA & LYMPHOMA*
Molica, S., Giannarelli, D., Mirabelli, R., Levato, L., Shanafelt, T. D.
2019; 60 (7): 1644–49
- **A Road Map to Foster Wellness and Engagement in Our Workplace-A Report of the 2018 Summer Intersociety Meeting** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Kruskal, J. B., Shanafelt, T., Eby, P., Meltzer, C. C., Rawson, J., Essex, L. N., Canon, C., West, D., Bender, C.
2019; 16 (6): 869–77
- **Vascular Surgeon Burnout - A Report From the Society for Vascular Surgery Wellness Task Force**
Coleman, D. M., Meltzer, A. J., Wohlaer, M., Drudi, L. M., Hallbeck, M., Shanafelt, T., Money, S., Sheahan, M.
MOSBY-ELSEVIER.2019: E97
- **Estimating the Attributable Cost of Physician Burnout in the United States.** *Annals of internal medicine*
Han, S., Shanafelt, T. D., Sinsky, C. A., Awad, K. M., Dyrbye, L. N., Fiscus, L. C., Trockel, M., Goh, J.
2019
- **Atrial fibrillation (AF) in patients with CLL treated with ibrutinib: Assessing prediction models and clinical outcomes.**
Archibald, W., Rabe, K. G., Kabat, B., Call, T., Ding, W., Kay, N. E., Kenderian, S., Muchtar, E., Leis, J., Schwager, S. M., Koehler, A., Fonder, A. L., Slager, et al
AMER SOC CLINICAL ONCOLOGY.2019
- **Rapid disease progression following discontinuation of ibrutinib in patients with chronic lymphocytic leukemia treated in routine clinical practice** *LEUKEMIA & LYMPHOMA*
Hampel, P. J., Ding, W., Call, T. G., Rabe, K. G., Kenderian, S. S., Witzig, T. E., Muchtar, E., Leis, J. F., Chanan-Khan, A. A., Koehler, A. B., Fonder, A. L., Schwager, S. M., Slager, et al
2019
- **Physician Work-Life Integration: Challenges and Strategies for Improvement.** *Clinical obstetrics and gynecology*
Karakash, S., Solone, M., Chavez, J., Shanafelt, T.
2019
- **Clarifications Needed on Study of Association Between Physician Burnout and Patient Safety** *JAMA INTERNAL MEDICINE*
Dyrbye, L. N., Shanafelt, T. D., West, C. P.
2019; 179 (4): 593
- **Perceived risk for cancer progression and psychological status in chronic lymphocytic leukemia patients: CALGB 70603 (Alliance).** *Leukemia & lymphoma*
Deshields, T. L., Dueck, A. C., Rogers, K., Brown, J. R., Shanafelt, T., Mintzer, D., Byrd, J. C.
2019: 1–4
- **KRAS, NRAS, and BRAF mutations are highly enriched in trisomy 12 chronic lymphocytic leukemia and are associated with shorter treatment-free survival.** *Leukemia*
Vendramini, E., Bomben, R., Pozzo, F., Benedetti, D., Bittolo, T., Rossi, F. M., Dal Bo, M., Rabe, K. G., Pozzato, G., Zaja, F., Chiarenza, A., Di Raimondo, F., Braggio, et al
2019
- **Clarifications Needed on Study of Association Between Physician Burnout and Patient Safety.** *JAMA internal medicine*
Dyrbye, L. N., Shanafelt, T. D., West, C. P.
2019
- **Organizational factors affecting physician well-being.** *Current treatment options in pediatrics*
Tawfik, D. S., Profit, J., Webber, S., Shanafelt, T. D.
2019; 5 (1): 11–25
- **Burnout Among Physicians Compared With Individuals With a Professional or Doctoral Degree in a Field Outside of Medicine** *MAYO CLINIC PROCEEDINGS*
Shanafelt, T. D., Sinsky, C., Dyrbye, L. N., Trockel, M., West, C. P.
2019; 94 (3): 549-551
- **Burnout Among Physicians Compared With Individuals With a Professional or Doctoral Degree in a Field Outside of Medicine.** *Mayo Clinic proceedings*
Shanafelt, T. D., Sinsky, C., Dyrbye, L. N., Trockel, M., West, C. P.

2019; 94 (3): 549–51

- **Efficacy of the Well-Being Index to identify distress and stratify well-being in Nurse Practitioners and Physician Assistants.** *Journal of the American Association of Nurse Practitioners*
Dyrbye, L. N., Johnson, P. O., Johnson, L. M., Halasy, M. P., Gossard, A. A., Satele, D., Shanafelt, T.
2019
- **Changes in Burnout and Satisfaction With Work-Life Integration in Physicians and the General US Working Population Between 2011 and 2017.** *Mayo Clinic proceedings*
Shanafelt, T. D., West, C. P., Sinsky, C., Trockel, M., Tutty, M., Satele, D. V., Carlasare, L. E., Dyrbye, L. N.
2019
- **Building a Program on Well-Being: Key Design Considerations to Meet the Unique Needs of Each Organization** *ACADEMIC MEDICINE*
Shanafelt, T., Trockel, M., Ripp, J., Murphy, M., Sandborg, C., Bohman, B.
2019; 94 (2): 156–61
- **Work-life balance behaviours cluster in work settings and relate to burnout and safety culture: a cross-sectional survey analysis** *BMJ QUALITY & SAFETY*
Schwartz, S. P., Adair, K. C., Bae, J., Rehder, K. J., Shanafelt, T. D., Profit, J., Sexton, J.
2019; 28 (2): 142-150
- **Incidence of and risk factors for major haemorrhage in patients treated with ibrutinib: An integrated analysis** *BRITISH JOURNAL OF HAEMATOLOGY*
Brown, J. R., Moslehi, J., Ewer, M. S., O'Brien, S. M., Ghia, P., Cymbalista, F., Shanafelt, T. D., Fraser, G., Rule, S., Coutre, S. E., Dilhuydy, M., Cramer, P., Jaeger, et al
2019; 184 (4): 558-569
- **Evidence Relating Health Care Provider Burnout and Quality of Care: A Systematic Review and Meta-analysis.** *Annals of internal medicine*
Tawfik, D. S., Scheid, A. n., Profit, J. n., Shanafelt, T. n., Trockel, M. n., Adair, K. C., Sexton, J. B., Ioannidis, J. P.
2019
- **Rapid disease progression following discontinuation of ibrutinib in patients with chronic lymphocytic leukemia treated in routine clinical practice.** *Leukemia & lymphoma*
Hampel, P. J., Ding, W. n., Call, T. G., Rabe, K. G., Kenderian, S. S., Witzig, T. E., Muchtar, E. n., Leis, J. F., Chanan-Khan, A. A., Koehler, A. B., Fonder, A. L., Schwager, S. M., Slager, et al
2019: 1–8
- **Prognostic risk score for patients with relapsed or refractory chronic lymphocytic leukaemia treated with targeted therapies or chemoimmunotherapy: a retrospective, pooled cohort study with external validations.** *The Lancet. Haematology*
Soumerai, J. D., Ni, A. n., Darif, M. n., Londhe, A. n., Xing, G. n., Mun, Y. n., Kay, N. E., Shanafelt, T. D., Rabe, K. G., Byrd, J. C., Chanan-Khan, A. A., Furman, R. R., Hillmen, et al
2019
- **Role of long non-coding RNAs in disease progression of early stage unmutated chronic lymphocytic leukemia.** *Oncotarget*
Tschumper, R. C., Shanafelt, T. D., Kay, N. E., Jelinek, D. F.
2019; 10 (1): 60–75
- **Ibrutinib-Rituximab or Chemoimmunotherapy for Chronic Lymphocytic Leukemia.** *The New England journal of medicine*
Shanafelt, T. D., Wang, X. V., Kay, N. E., Hanson, C. A., O'Brien, S. n., Barrientos, J. n., Jelinek, D. F., Braggio, E. n., Leis, J. F., Zhang, C. C., Coutre, S. E., Barr, P. M., Cashen, et al
2019; 381 (5): 432–43
- **A cross-sectional study exploring the relationship between burnout, absenteeism, and job performance among American nurses.** *BMC nursing*
Dyrbye, L. N., Shanafelt, T. D., Johnson, P. O., Johnson, L. A., Satele, D., West, C. P.
2019; 18: 57
- **IGH translocations in chronic lymphocytic leukemia (CLL): clinicopathologic features and clinical outcomes.** *American journal of hematology*
Fang, H., Reichard, K. K., Rabe, K. G., Hanson, C. A., Call, T. G., Ding, W., Kenderian, S. S., Muchtar, E., Schwager, S. M., Leis, J. F., Chanan-Khan, A. A., Slager, S. L., Braggio, et al
2018
- **Chronic lymphocytic leukemia cells from ibrutinib treated patients are sensitive to Axl receptor tyrosine kinase inhibitor therapy.** *Oncotarget*
Sinha, S., Boysen, J. C., Chaffee, K. G., Kabat, B. F., Slager, S. L., Parikh, S. A., Secreto, C. R., Call, T., Shanafelt, T. D., Leis, J. F., Warner, S. L., Bearss, D. J., Ghosh, et al

2018; 9 (98): 37173–84

- **A Road Map to Foster Wellness and Engagement in Our Workplace-A Report of the 2018 Summer Intersociety Meeting.** *Journal of the American College of Radiology : JACR*
Kruskal, J. B., Shanafelt, T., Eby, P., Meltzer, C. C., Rawson, J., Essex, L. N., Canon, C., West, D., Bender, C.
2018
- **The magnitude of improvement in progression-free survival with targeted therapy in relapsed/refractory chronic lymphocytic leukemia based on prognostic risk category: a systematic review and meta-analysis.** *Leukemia & lymphoma*
Molica, S., Giannarelli, D., Mirabelli, R., Levato, L., Shanafelt, T. D.
2018: 1–6
- **Incidence of and risk factors for major haemorrhage in patients treated with ibrutinib: An integrated analysis.** *British journal of haematology*
Brown, J. R., Moslehi, J., Ewer, M. S., O'Brien, S. M., Ghia, P., Cymbalista, F., Shanafelt, T. D., Fraser, G., Rule, S., Coutre, S. E., Dilhuydy, M., Cramer, P., Jaeger, et al
2018
- **Clonal Hematopoiesis of Indeterminate Potential (CHIP) and Chronic Lymphocytic Leukemia (CLL) Driver Genes: Risk of CLL and Monoclonal B-Cell Lymphocytosis (MBL)**
Boddicker, N. J., O'Brien, D. R., Braggio, E., Achenbach, S. J., Chaffee, K. G., Norman, A. D., Vachon, C. M., Kabat, B., Call, T. G., Parikh, S. A., Leis, J. F., Ding, W., Muchtart, et al
AMER SOC HEMATOLOGY.2018
- **Telomere Length Is Associated with Epigenetic Programming in CLL and Is a Superior Predictor of Clinical Outcome with the Ability to Bifurcate Patients with the Same CLL-IPI Score**
Norris, K., Oakes, C. C., Giacomelli, B., Shanafelt, T. D., Kay, N. E., Chaffee, K. G., Fegan, C., Baird, D. M., Pepper, C.
AMER SOC HEMATOLOGY.2018
- **Risk Model for Overall Survival for Patients with Relapsed/Refractory Chronic Lymphocytic Leukemia: Validated for Patients on Ibrutinib, Idelalisib, Venetoclax, or Chemoimmunotherapy**
Soumerai, J. D., Ni, A., Darif, M., Londhe, A., Xing, G., Mun, Y., Kay, N. E., Shanafelt, T. D., Chaffee, K. G., Furman, R. R., Hillmen, P., Sharman, J., Seymour, et al
AMER SOC HEMATOLOGY.2018
- **Association between the Risk of Low/High-Count Monoclonal B-Cell Lymphocytosis (MBL) and the Chronic Lymphocytic Leukemia (CLL) Polygenic Risk Score (PRS)**
Kleinstern, G., Achenbach, S. J., Robinson, D. P., Norman, A. D., Chaffee, K. G., Lesnick, C. E., Parikh, S. A., Call, T. G., Olson, J. E., Cerhan, J. R., Kay, N. E., Hanson, C. A., Shanafelt, et al
AMER SOC HEMATOLOGY.2018
- **The Magnitude of Improvement in Progression-Free Survival with Targeted Therapy in Relapsed/Refractory Chronic Lymphocytic Leukemia Based on Genetic Risk: A Systematic Review and Meta-Analysis**
Molica, S., Giannarelli, D., Mirabelli, R., Levato, L., Shanafelt, T. D.
AMER SOC HEMATOLOGY.2018
- **Predictive value of the CLL-IPI in CLL patients receiving chemo-immunotherapy as first-line treatment** *EUROPEAN JOURNAL OF HAEMATOLOGY*
Gentile, M., Shanafelt, T. D., Mauro, F., Reda, G., Rossi, D., Laurenti, L., Del Principe, M., Cutrona, G., Angeletti, I., Coscia, M., Herishanu, Y., Chiarenza, A., Molica, et al
2018; 101 (5): 703–6
- **Physician Burnout, Well-being, and Work Unit Safety Grades in Relationship to Reported Medical Errors** *MAYO CLINIC PROCEEDINGS*
Tawfik, D. S., Profit, J., Morgenthaler, T. I., Satele, D. V., Sinsky, C. A., Dyrbye, L. N., Tutty, M. A., West, C. P., Shanafelt, T. D.
2018; 93 (11): 1571-1580
- **Physician and Nurse Well-Being: Seven Things Hospital Boards Should Know** *JOURNAL OF HEALTHCARE MANAGEMENT*
Shanafelt, T., Swensen, S. J., Woody, J., Levin, J., Lillie, J.
2018; 63 (6): 363-369
- **Physician and Nurse Well-Being: Seven Things Hospital Boards Should Know.** *Journal of healthcare management / American College of Healthcare Executives*
Shanafelt, T., Swensen, S. J., Woody, J., Levin, J., Lillie, J.
2018; 63 (6): 363–69

- **Autoimmune cytopenias in patients with chronic lymphocytic leukaemia treated with ibrutinib in routine clinical practice at an academic medical centre** *BRITISH JOURNAL OF HAEMATOLOGY*
Hampel, P. J., Larson, M. C., Kabat, B., Call, T. G., Ding, W., Kenderian, S. S., Bowen, D., Boysen, J., Schwager, S. M., Leis, J. F., Chanan-Khan, A. A., Muchtar, E., Hanson, et al
2018; 183 (3): 421–27
- **In Reply-Burnout Is Not Associated With Increased Medical Errors.** *Mayo Clinic proceedings*
Tawfik, D. S., Profit, J., Morgenthaler, T. I., Satele, D. V., Sinsky, C., Dyrbye, L., Tutty, M., West, C. P., Shanafelt, T. D.
2018; 93 (11): 1683–84
- **In Reply-Burnout Is Not Associated With Increased Medical Errors** *MAYO CLINIC PROCEEDINGS*
Tawfik, D. S., Profit, J., Morgenthaler, T. I., Satele, D. V., Sinsky, C., Dyrbye, L., Tutty, M., West, C. P., Shanafelt, T. D.
2018; 93 (11): 1683–84
- **Age and sex differences in burnout, career satisfaction, and well-being in US neurologists.** *Neurology*
LaFaver, K., Miyasaki, J. M., Keran, C. M., Rheaume, C., Gulya, L., Levin, K. H., Jones, E. C., Schwarz, H. B., Molano, J. R., Hessler, A., Singhal, D., Shanafelt, T. D., Sloan, et al
2018
- **A simple score based on geriatric assessment predicts survival in elderly newly diagnosed chronic lymphocytic leukemia patients.** *Leukemia & lymphoma*
Molica, S., Giannarelli, D., Levato, L., Mirabelli, R., Levato, D., Lentini, M., Piro, E.
2018: 1–3
- **Chronic lymphocytic leukemia international prognostic index (CLL-IPI) in patients receiving chemoimmuno or targeted therapy: a systematic review and meta-analysis** *ANNALS OF HEMATOLOGY*
Molica, S., Giannarelli, D., Mirabelli, R., Levato, L., Shanafelt, T. D.
2018; 97 (10): 2005–8
- **Emotional Intelligence as a Possible Safeguard to Surgeon Wellness**
Lee, E. W., Hasty, B. N., Lau, J. N., Merrell, S., Hawn, M. T., Shanafelt, T., Salles, A., Lin, D. T.
ELSEVIER SCIENCE INC.2018: S145
- **Surgeon Emotional Intelligence Is Strongly Correlated with Patient Satisfaction**
Lee, E. W., Hasty, B. N., Lau, J. N., Merrell, S., Hawn, M. T., Shanafelt, T., Salles, A., Lin, D. T.
ELSEVIER SCIENCE INC.2018: S164–S165
- **Association of Clinical Specialty With Symptoms of Burnout and Career Choice Regret Among US Resident Physicians** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Dyrbye, L. N., Burke, S. E., Hardeman, R. R., Herrin, J., Wittlin, N. M., Yeazel, M., Dovidio, J. F., Cunningham, B., White, R. O., Phelan, S. M., Satele, D. V., Shanafelt, T. D., van Ryn, et al
2018; 320 (11): 1114–30
- **A Prognostic Index to Identify the Risk of Developing Depression Symptoms Among U.S. Medical Students Derived From A National, Four-Year Longitudinal Study.** *Academic medicine : journal of the Association of American Medical Colleges*
Dyrbye, L. N., Wittlin, N. M., Hardeman, R. R., Yeazel, M., Herrin, J., Dovidio, J. F., Burke, S. E., Cunningham, B., Phelan, S. M., Shanafelt, T. D., van Ryn, M.
2018
- **Immunoglobulin heavy chain variable region gene and prediction of time to first treatment in patients with chronic lymphocytic leukemia: Mutational load or mutational status? Analysis of 1003 cases** *AMERICAN JOURNAL OF HEMATOLOGY*
Morabito, F., Shanafelt, T. D., Gentile, M., Reda, G., Mauro, F., Rossi, D., Di Renzo, N., Molica, S., Angrilli, F., Chiarenza, A., Cutrona, G., Chaffee, K. G., Parikh, et al
2018; 93 (9): E216–E219
- **Efficacy of the Well-Being Index to Identify Distress and Well-Being in U.S. Nurses.** *Nursing research*
Dyrbye, L. N., Johnson, P. O., Johnson, L. M., Satele, D., Shanafelt, T.
2018
- **Building a Program on Well-Being: Key Design Considerations to Meet the Unique Needs of Each Organization.** *Academic medicine : journal of the Association of American Medical Colleges*
Shanafelt, T., Trockel, M., Ripp, J., Murphy, M. L., Sandborg, C., Bohman, B.
2018

- **Validation of a biological score to predict response in chronic lymphocytic leukemia patients treated front-line with bendamustine and rituximab** *LEUKEMIA*
Gentile, M., Shanafelt, T. D., Reda, G., Mauro, F., Zirlik, K., Ciolli, S., Laurenti, L., Del Principe, M., Rossi, D., Di Renzo, N., Molica, S., Angrilli, F., Coscia, et al
2018; 32 (8): 1869–73
- **Physician Burnout, Well-being, and Work Unit Safety Grades in Relationship to Reported Medical Errors.** *Mayo Clinic proceedings*
Tawfik, D. S., Profit, J., Morgenthaler, T. I., Satele, D. V., Sinsky, C. A., Dyrbye, L. N., Tutty, M. A., West, C. P., Shanafelt, T. D.
2018
- **The prevalence of non-chronic lymphocytic leukemia (CLL) phenotype monoclonal B-cell lymphocytosis (MBL) in a population-based cohort of US adults**
Parikh, S. A., Achenbach, S. J., Chaffee, K. G., Kay, N. E., Lesnick, C. E., Cerhan, J. R., Hanson, C. A., Shanafelt, T. D., Slager, S. L.
AMER ASSOC CANCER RESEARCH.2018
- **Association of polygenic risk score with the risk of chronic lymphocytic leukemia and monoclonal B-cell lymphocytosis** *BLOOD*
Kleinstern, G., Camp, N. J., Goldin, L. R., Vachon, C. M., Vajdic, C. M., de Sanjose, S., Weinberg, J., Benavente, Y., Casabonne, D., Liebow, M., Nieters, A., Hjalgrim, H., Melbye, et al
2018; 131 (23): 2541–51
- **Outcomes of a large cohort of individuals with clinically ascertained high-count monoclonal B-cell lymphocytosis** *HAEMATOLOGICA*
Parikh, S. A., Chaffee, K. G., Larson, M. C., Hampel, P. J., Call, T. G., Ding, W., Kenderian, S. S., Leis, J. F., Chanan-Khan, A. A., Conte, M. J., Bowen, D., Schwager, S. M., Slager, et al
2018; 103 (6): E237–E240
- **Rapid progression of disease following ibrutinib discontinuation in patients with chronic lymphocytic leukemia.**
Hampel, P., Chaffee, K. G., Ding, W., Call, T., Kenderian, S., Mughtar, E., Leis, J., Chanan-Khan, A., Bowen, D., Fonder, A. L., Schwager, S. M., Slager, S. L., Shanafelt, et al
AMER SOC CLINICAL ONCOLOGY.2018
- **Author response: Qualitative study of burnout, career satisfaction, and well-being among US neurologists in 2016** *NEUROLOGY*
Miyasaki, J. M., Rheume, C., Gulya, L., Ellenstein, A., Schwarz, H., Vidic, T., Shanafelt, T., Cascino, T., Keran, C., Busis, N.
2018; 90 (19): 903
- **Reimaging Clinical Documentation With Artificial Intelligence** *MAYO CLINIC PROCEEDINGS*
Lin, S. Y., Shanafelt, T. D., Asch, S. M.
2018; 93 (5): 563–65
- **Chronic lymphocytic leukaemia** *LANCET*
Hallek, M., Shanafelt, T. D., Eichhorst, B.
2018; 391 (10129): 1524–37
- **Physician Burnout-Overdiagnosis and Unproven Interventions Reply** *JAMA INTERNAL MEDICINE*
Shanafelt, T., Goh, J., Sinsky, C.
2018; 178 (4): 577–78
- **Addressing Uncertainty in Burnout Assessment** *ACADEMIC MEDICINE*
Palamara, K., Linzer, M., Shanafelt, T. D.
2018; 93 (4): 518
- **Chronic lymphocytic leukemia international prognostic index: a systematic review and meta-analysis** *BLOOD*
Molica, S., Giannarelli, D., Mirabelli, R., Levato, L., Kay, N. E., Shanafelt, T. D.
2018; 131 (3): 365–68
- **Cumulative experience and long term follow-up of pentostatin-based chemoimmunotherapy trials for patients with chronic lymphocytic leukemia** *EXPERT REVIEW OF HEMATOLOGY*
Kay, N. E., LaPlant, B. R., Pettinger, A. M., Call, T. G., Leis, J. F., Ding, W., Parikh, S. A., Conte, M. J., Bowen, D. A., Shanafelt, T. D.
2018; 11 (4): 337–49
- **Association of Clinical Specialty With Symptoms of Burnout and Career Choice Regret Among US Resident Physicians.** *JAMA*
Dyrbye, L. N., Burke, S. E., Hardeman, R. R., Herrin, J. n., Wittlin, N. M., Yeazel, M. n., Dovidio, J. F., Cunningham, B. n., White, R. O., Phelan, S. M., Satele, D. V., Shanafelt, T. D., van Ryn, et al

2018; 320 (11): 1114–30

- **Work-life balance behaviours cluster in work settings and relate to burnout and safety culture: a cross-sectional survey analysis.** *BMJ quality & safety*
Schwartz, S. P., Adair, K. C., Bae, J. n., Rehder, K. J., Shanafelt, T. D., Profit, J. n., Sexton, J. B.
2018
- **Reimagining Clinical Documentation With Artificial Intelligence.** *Mayo Clinic proceedings*
Lin, S. Y., Shanafelt, T. D., Asch, S. M.
2018
- **The Business Case for Investing in Physician Well-being** *JAMA INTERNAL MEDICINE*
Shanafelt, T., Goh, J., Sinsky, C.
2017; 177 (12): 1826-1832
- **An Organization Model to Assist Individual Physicians, Scientists, and Senior Health Care Administrators With Personal and Professional Needs** *MAYO CLINIC PROCEEDINGS*
Shanafelt, T. D., Lightner, D. J., Conley, C. R., Petrou, S. P., Richardson, J. W., Schroeder, P. J., Brown, W. A.
2017; 92 (11): 1688–96
- **Medical Licensure Questions and Physician Reluctance to Seek Care for Mental Health Conditions** *MAYO CLINIC PROCEEDINGS*
Dyrbye, L. N., West, C. P., Sinsky, C. A., Goeders, L. E., Satele, D. V., Shanafelt, T. D.
2017; 92 (10): 1486-1493
- **The Business Case for Investing in Physician Well-being.** *JAMA internal medicine*
Shanafelt, T., Goh, J., Sinsky, C.
2017
- **Development of a Research Agenda to Identify Evidence-Based Strategies to Improve Physician Wellness and Reduce Burnout** *ANNALS OF INTERNAL MEDICINE*
Dyrbye, L. N., Trockel, M., Frank, E., Olson, K., Linzer, M., Lemaire, J., Swensen, S., Shanafelt, T., Sinsky, C. A.
2017; 166 (10): 743–+
- **A Brief Instrument to Assess Both Burnout and Professional Fulfillment in Physicians: Reliability and Validity, Including Correlation with Self-Reported Medical Errors, in a Sample of Resident and Practicing Physicians.** *Academic psychiatry : the journal of the American Association of Directors of Psychiatric Residency Training and the Association for Academic Psychiatry*
Trockel, M. n., Bohman, B. n., Lesure, E. n., Hamidi, M. S., Welle, D. n., Roberts, L. n., Shanafelt, T. n.
2017
- **Characterization of atrial fibrillation adverse events reported in ibrutinib randomized controlled registration trials.** *Haematologica*
Brown, J. R., Moslehi, J. n., O'Brien, S. n., Ghia, P. n., Hillmen, P. n., Cymbalista, F. n., Shanafelt, T. D., Fraser, G. n., Rule, S. n., Kipps, T. J., Coutre, S. n., Dilhuydy, M. S., Cramer, et al
2017; 102 (10): 1796–1805
- **Meta-analysis of genome-wide association studies discovers multiple loci for chronic lymphocytic leukemia** *NATURE COMMUNICATIONS*
Berndt, S. I., Camp, N. J., Skibola, C. F., Vijai, J., Wang, Z., Gu, J., Nieters, A., Kelly, R. S., Smedby, K. E., Monnereau, A., Cozen, W., Cox, A., Wang, et al
2016; 7
- **Analysis of Heritability and Shared Heritability Based on Genome-Wide Association Studies for 13 Cancer Types** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Sampson, J. N., Wheeler, W. A., Yeager, M., Panagiotou, O., Wang, Z., Berndt, S. I., Lan, Q., Abnet, C. C., Amundadottir, L. T., Figueroa, J. D., Landi, M. T., Mirabello, L., Savage, et al
2015; 107 (12)
- **The Impact of Stigma and Personal Experiences on the Help-Seeking Behaviors of Medical Students With Burnout** *ACADEMIC MEDICINE*
Dyrbye, L. N., Eacker, A., Durning, S. J., Brazeau, C., Moutier, C., Massie, F. S., Satele, D., Sloan, J. A., Shanafelt, T. D.
2015; 90 (7): 961-969
- **Distress Among Matriculating Medical Students Relative to the General Population** *ACADEMIC MEDICINE*
Brazeau, C. M., Shanafelt, T., Durning, S. J., Massie, F. S., Eacker, A., Moutier, C., Satele, D. V., Sloan, J. A., Dyrbye, L. N.
2014; 89 (11): 1520-1525

- **Genome-wide association study identifies multiple risk loci for chronic lymphocytic leukemia** *NATURE GENETICS*
Berndt, S. I., Skibola, C. F., Joseph, V., Camp, N. J., Nieters, A., Wang, Z., Cozen, W., Monnereau, A., Wang, S. S., Kelly, R. S., Lan, Q., Teras, L. R., Chatterjee, et al
2013; 45 (8): 868-U202
- **A Multi-institutional Study Exploring the Impact of Positive Mental Health on Medical Students' Professionalism in an Era of High Burnout** *ACADEMIC MEDICINE*
Dyrbye, L. N., Harper, W., Moutier, C., Durning, S. J., Power, D. V., Massie, F. S., Eacker, A., Thomas, M. R., Satele, D., Sloan, J. A., Shanafelt, T. D.
2012; 87 (8): 1024-1031
- **Distress and empathy do not drive changes in specialty preference among US medical students** *MEDICAL TEACHER*
Dyrbye, L. N., Eacker, A. M., Harper, W., Power, D. V., Massie, F. S., Satele, D., Thomas, M. R., Sloan, J. A., Shanafelt, T. D.
2012; 34 (2): E116-E122
- **Relationship of Pass/Fail Grading and Curriculum Structure With Well-Being Among Preclinical Medical Students: A Multi-Institutional Study** *ACADEMIC MEDICINE*
Reed, D. A., Shanafelt, T. D., Satele, D. W., Power, D. V., Eacker, A., Harper, W., Moutier, C., Durning, S., Massie, F. S., Thomas, M. R., Sloan, J. A., Dyrbye, L. N.
2011; 86 (11): 1367-1373
- **Patterns of distress in US medical students** *MEDICAL TEACHER*
Dyrbye, L. N., Harper, W., Durning, S. J., Moutier, C., Thomas, M. R., Massie, F. S., Eacker, A., Power, D. V., Szydlo, D. W., Sloan, J. A., Shanafelt, T. D.
2011; 33 (10): 834-839
- **The problems program directors inherit: medical student distress at the time of graduation** *MEDICAL TEACHER*
Dyrbye, L. N., Moutier, C., Durning, S. J., Massie, F. S., Power, D. V., Eacker, A., Harper, W., Thomas, M. R., Satele, D., Sloan, J. A., Shanafelt, T. D.
2011; 33 (9): 756-758
- **Factors associated with resilience to and recovery from burnout: a prospective, multi-institutional study of US medical students** *MEDICAL EDUCATION*
Dyrbye, L. N., Power, D. V., Massie, F. S., Eacker, A., Harper, W., Thomas, M. R., Szydlo, D. W., Sloan, J. A., Shanafelt, T. D.
2010; 44 (10): 1016-1026
- **Relationship Between Burnout and Professional Conduct and Attitudes Among US Medical Students** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Dyrbye, L. N., Massie, F. S., Eacker, A., Harper, W., Power, D., Durning, S. J., Thomas, M. R., Moutier, C., Satele, D., Sloan, J., Shanafelt, T. D.
2010; 304 (11): 1173-1180
- **Burnout and Serious Thoughts of Dropping Out of Medical School: A Multi-Institutional Study** *ACADEMIC MEDICINE*
Dyrbye, L. N., Thomas, M. R., Power, D. V., Durning, S., Moutier, C., Massie, F. S., Harper, W., Eacker, A., Szydlo, D. W., Sloan, J. A., Shanafelt, T. D.
2010; 85 (1): 94-102
- **Aberrant regulation of pVHL levels by microRNA promotes the HIF/VEGF axis in CLL B cells** *BLOOD*
Ghosh, A. K., Shanafelt, T. D., Cimmino, A., Taccioli, C., Volinia, S., Liu, C., Calin, G. A., Croce, C. M., Chan, D. A., Giaccia, A. J., Secreti, C., Wellik, L. E., Lee, et al
2009; 113 (22): 5568-5574
- **The learning environment and medical student burnout: a multicentre study** *MEDICAL EDUCATION*
Dyrbye, L. N., Thomas, M. R., Harper, W., Massie, F. S., Power, D. V., Eacker, A., Szydlo, D. W., Novotny, P. J., Sloan, J. A., Shanafelt, T. D.
2009; 43 (3): 274-282
- **Burnout and suicidal ideation among US medical students** *ANNALS OF INTERNAL MEDICINE*
Dyrbye, L. N., Thomas, M. R., Massie, F. S., Power, D. V., Eacker, A., Harper, W., Durning, S., Moutier, C., Szydlo, D. W., Novotny, P. J., Sloan, J. A., Shanafelt, T. D.
2008; 149 (5): 334-W70
- **Race, ethnicity, and medical student well-being in the United States** *ARCHIVES OF INTERNAL MEDICINE*
Dyrbye, L. N., Thomas, M. R., Eacker, A., Harper, W., Massie, S., Power, D. V., Huschka, M., Novotny, P. J., Sloan, J. A., Shanafelt, T. D.
2007; 167 (19): 2103-2109
- **Medical education research and IRB review: An analysis and comparison of the IRB review process at six institutions** *ACADEMIC MEDICINE*
Dyrbye, L. N., Thomas, M. R., Mechaber, A. J., Eacker, A., Harper, W., Massie, F. S., Power, D. V., Shanafelt, T. D.

2007; 82 (7): 654-660

- **Elevated HIF-1 alpha levels in CLLB cells may explain their autocrine VEGF secretion.** *48th Annual Meeting of the American-Society-of-Hematology*
Lee, Y. K., Shanafelt, T., Chan, D., Giaccia, A., Mukhopadhyay, D., Taccioli, C., Calin, G., Croce, C., Kay, N. E.
AMER SOC HEMATOLOGY.2006: 176A-176A