

## References

### **Sex Differences: Overall Prevalence and Prevalence in Heart Disease**

- Mallik S, Spertus JA, Reid KJ, et al. Depressive symptoms after acute myocardial infarction: Evidence for highest rates in younger women. *Archives of Internal Medicine* 2006;166:876-883.
- Kessler RC. Epidemiology of women and depression. *Journal of Affective Disorders* 2003;74:5-13.
- Frasure-Smith N, L'Esperance F, Juneau M, Talajic M, Bourassa MG. Gender, depression, and one-year prognosis after myocardial infarction. *Psychosomatic Medicine* 1999;61:26-37.

### **Depression Associated with Incident Heart Disease**

- Frasure-Smith N, Lespérance F. Recent evidence linking coronary heart disease and depression. *Canadian Journal of Psychiatry* 2006; 51(12): 730-7.

- Nicholson A, Kuper H, Hemingway H. Depression as an aetiologic and prognostic factor in coronary heart disease: a meta-analysis of 6,362 events among 146,538 participants in 54 observational studies. *European Heart Journal* 2006; 27(23): 2763-74.

- Bremmer MA, Hoogendijk WJG, Deeg DJH, et al. Depression in older age is a risk factor for first ischemic cardiac events. *American Journal of Geriatric Psychiatry* 2006; 14(6): 523-30.

- Rowan PJ, Haas D, Campbell JA, et al. Depressive symptoms have an independent, gradient risk for coronary heart disease incidence in a random, population-based sample. *Annals of Epidemiology* 2005; 15: 316-20.

- Marzari C, Maggi S, Manzato E, et al. Depressive symptoms and development of coronary heart disease: the Italian longitudinal study on aging. *Journals of Gerontology series A, Biological Sciences and Medical Sciences* 2005; 60(1): 85-92.

### **Heart Disease Associated with Incident Depression**

- Chaddha, A., Robinson, Elizabeth A., Kline-Rogers, E., Alexandris-Souphis, T., & Rubenfire, M. Mental health and cardiovascular disease. *American Journal of Medicine* 2016; 129(11), 1145-1148. doi:10.1016/j.amjmed.2016.05.018

- Wielgosz A, Editorial Board of the Public Health Agency of Canada. Tracking heart disease and stroke in Canada. 2009; HP32-3/2009E.

## **Prevalence (& Outcomes) in Specific Cardiac Diseases**

### **Coronary Artery Disease**

Chaddha, A., MD, Robinson, Elizabeth A., PhD, MSW, Kline-Rogers, E., NP, Alexandris-Souphis, Tina, BSN, RN, & Rubenfire, M., MD. Mental health and cardiovascular disease. *American Journal of Medicine*, 2016, 129, 1145-1148. Doi:10.1016/j.amjmed.2016.05.018

Gan, Y., Gong, Y., Tong, X., Sun, H., Cong, Y., Dong, X., . . . Lu, Z. (2014). Depression and the risk of coronary heart disease: A meta-analysis of prospective cohort studies. *BMC Psychiatry*, 2014; 14(1), 371-371. Doi:10.1186/s12888-014-0371-z

Lichtman JH, Bigger JTJ, Blumenthal JA, Frasure-Smith N, Kaufmann PG, Lespérance F, Mark DB, Sheps DS, Barr-Taylor C, Froelicher ES. Depression and coronary heart disease: Recommendations for screening, referral, and treatment: A science advisory from the American Heart Association Prevention Committee of the Council on Cardiovascular Nursing, Council on Clinical Cardiology, Council on Epidemiology and Prevention, and Interdisciplinary Council on Quality of Care and Outcomes Research: Endorsed by the American Psychiatric Association. *Circulation*. 2008; 118: 1768-1775.

### **Heart Failure**

Chobufo, M. D., Khan, S., Agbor, V. N., Rahman, E., Foryoung, J. B., Jolayemi, A., . . . Nfor, T. 10-year trend in the prevalence and predictors of depression among patients with heart failure in the USA from 2007–2016. *International Journal of Cardiology*, 2020; 301, 123-126. Doi:10.1016/j.ijcard. 2019.09.028

Sokoreli, I., de Vries, J. J. G, Pauws, S. C., & Steyerberg, E. W. Depression and anxiety as predictors of mortality among heart failure patients: Systematic review and meta-analysis. *Heart Failure Reviews*, 2016; 21(1), 49-63. Doi:10.1007/s10741-015-9517-4

Moser, D., Dracup, K., Evangelista, L., et al. Comparison of prevalence of symptoms of depression, anxiety, and hostility in elderly patients with heart failure, myocardial infarction, and a coronary artery bypass graft. *Heart & Lung: Journal of Acute & Critical Care*, 2010; 39, 378-385. <https://dx.doi.org/10.1016%2Fj.hrtlng.2009.10.017>

Celano, C., Villegas, A., Albanese, A., Gaggin, H. & Huffman, J. Depression and anxiety in heart failure: A Review. *Harvard Review of Psychiatry*, 2018; 26, 175-184. <https://doi.org/10.1097/HRP.000000000000162>

## **Arrhythmia**

Polikandrioti, M., Koutelekos, I., Vasilopoulos, G., Gerogianni, G., Gourni, M., Zyga, S., & Panoutsopoulos, G. (2018). Anxiety and depression in patients with permanent atrial fibrillation: Prevalence and associated factors. *Cardiology Research and Practice*, 2018, 1-9.

Doi:10.1155/2018/7408129

Wilder Schaaf, KP, Artman, LK, Peberdy, MA, Walker, WC, Ornato, JP, Gossip, MR, Kreutzer, JS, Virginia Commonwealth University ARCTIC Investigators. Anxiety, depression, and PTSD following cardiac arrest: A systematic review of the literature. *Resuscitation*. 2013; 84: 873-877.

## **Congenital Heart Disease**

Carazo, M. R., Kolodziej, M. S., DeWitt, E. S., Kasparian, N. A., Newburger, J. W., Duarte, V. E., . . . Opotowsky, A. R. Prevalence and prognostic association of a clinical diagnosis of depression in adult congenital heart disease: Results of the Boston adult congenital heart disease biobank. *Journal of the American Heart Association*, 2020; 9(9), e014820.

doi:10.1161/jaha.119.014820.

Kovacs, AH, Saidi, AS, Kuhl, EA, Sears, SF, Silversides, C, Harrison, JL, Ong, L, Colman J, Oechslin E, Nolan RP. Depression and anxiety in adult congenital heart disease: Predictors and prevalence. *International Journal of Cardiology*. 2009; 137: 158-164.

## **Persistence of Depressive Symptoms after Cardiac Event**

Ski, C. F., Worrall-Carter, L., Cameron, J., Castle, D. J., Rahman, M. A., & Thompson, D. R. Depression screening and referral in cardiac wards: A 12-month patient trajectory. *European Journal of Cardiovascular Nursing*, 2017; 16(2), 157-166. doi:10.1177/1474515115583617

Mittag, O., Kampling, H., Farin, E., & Tully, P. J. (2016). Trajectories of depressive symptoms after a major cardiac event. *Health Psychology Open* January-June 2016: 1–8.

Murphy, B., Ludeman, D., Elliott, P., Judd, F., Humphreys, J., Edington, J., . . . Worcester, M. Red flags for persistent or worsening anxiety and depression after an acute cardiac event: A 6-month longitudinal study in regional and rural Australia. *European Journal of Preventive Cardiology*, 2014; 21(9), 1079–1089. <https://doi.org/10.1177/2047487313493058> (30% depressed worsened over time; 17% subsided quickly; 8% had persistent anxiety)

## **Association with Adverse Cardiac Events**

Smolderen, K., Buchanan, D., Gosch, K., Whooley, M., Chan, P., Vaccarino, V., . . . Spertus, J. Depression treatment and 1-year mortality after acute myocardial infarction: Insights from the TRIUMPH registry (translational research investigating underlying disparities in acute myocardial infarction patients' health status). *Circulation*, 2017; 135(18), 1681-1689. doi:10.1161/CIRCULATIONAHA.116.025140

Elderon, L., Smolderen, K., Na, B. & Whooley, M. Accuracy and prognostic value of American Heart Association-recommended depression screening in patients with coronary heart disease: Data from the Heart and Soul study. *Circulation: Cardiovascular Quality & Outcomes*, 2011; 4, 533-540. <https://doi.org/10.1161/CIRCOUTCOMES.110.960302>

Kaptein, K.I., de Jonge, P., van den Brink, R.H.S., et al. Course of depressive symptoms after myocardial infarction and cardiac prognosis: A latent class analysis. *Psychosomatic Medicine*; 2006; 68,662–8.

Commentary: Huffman, JC. (2007). Significant and increasing depressive symptoms are associated with increased risk of new cardiac events in people with a heart attack in the previous year. *Evidence-Based Mental Health*, 10(2), 42. Retrieved from <http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=reference&D=ovfti&NEWS=N&AN=00129966-200705000-00006>.

## **Anxiety +/- Depression**

Wang, G, Cui, J., Wang, Y., Deng, B., Liang, X., Bai, J., Guo, S., Yang, Z., Huang, L. & Li, C. Anxiety and adverse coronary artery disease outcomes in Chinese patients. *Psychosomatic Medicine*, 2013; 75(6), 530-536.

Roest, A. Martens, E., Denollet, J. & de Jonge, P. Prognostic association of anxiety post-myocardial infarction with mortality and new cardiac events: A meta-analysis. *Psychosomatic Medicine*, 2010; 72, 563-569. <https://doi.org/10.1097/PSY.0b013e3181dbff97>

Frasure-Smith N & Lesperance F. Depression and anxiety as predictors of 2-year cardiac events in patients with stable coronary artery disease. *Archives of General Psychiatry*, 2008; 65, 62-71. <https://doi.org/10.1001/archgenpsychiatry.2007.4>, 10.1001/archgenpsychiatry.2007.4

## **Mortality**

May, H.T., Horne, B. D., Knight, S., Knowlton, K. U., Bair, T. L., Lappe, D. L., Le, V. T. & Muhlestein, J. B. (2017). The association of depression at any time to the risk of death following coronary artery disease diagnosis. *European Heart Journal - Quality of Care and Clinical Outcomes* 2017; 0, 1–7 doi:10.1093/ehjqcco/qcx017.

Wu, Q., & Kling, J. Depression and the risk of myocardial infarction and coronary death: A meta-analysis of prospective cohort studies. *Medicine*, 2016; 95(6), 1-9. doi:10.1097/MD.0000000000002815.

Meijer, A., Conradi, H. J., Bos, E. H., Thombs, B. D., van Melle, J. P. & de Jonge, P. Prognostic association of depression following myocardial infarction with mortality and cardiovascular events: A meta-analysis of 25 years of research. *General Hospital Psychiatry*, 2011; 33, 203-216. doi:10.1016/j.genhosppsych.2011.02.007

van Melle JP, de Jonge P, Honig A, Schene AH, Kuyper AM, Crijns, H. J. G. M., Shins A, Tulner D, Van Den Berg, M. P., Ormel J. Effects of antidepressant treatment following myocardial infarction. *Br J Psych*. 2004; 190: 460-466.

## **Decreased Adherence to Lifestyle Recommendations**

Sin, N. L., Kumar, A. D., Gehi, A. K., & Whooley, M. A. (2016). Direction of association between depressive symptoms and lifestyle behaviors in patients with coronary heart disease: The heart and soul study. *Annals of Behavioral Medicine*, 50, 523-532. doi:10.1007/s12160-016-9777-9.

## **Absence of Formal Screening**

Ziegelstein RC; Kim SY; Kao D; Fauerbach JA; Thombs BD; McCann U; Colburn J; Bush DE. Can doctors and nurses recognize depression in patients hospitalized with an acute myocardial infarction in the absence of formal screening? *Psychosomatic Medicine*, 2005; 67, 393-7

Craven, M.A., Bland, R. Depression in Primary Care: Current and Future Challenges. *Can J Psychiatry* 2013; 58:442–448

## **Utility of Formal Screening**

Elderon, L., Smolderen, K., Na, B. & Whooley, M. Accuracy and prognostic value of American Heart Association-recommended depression screening in patients with coronary heart disease: Data from the Heart and Soul study. *Circulation: Cardiovascular Quality & Outcomes*, 2011; 4, 533-540. <https://doi.org/10.1161/CIRCOUTCOMES.110.960302>