

REFERENCES

- Adisasmito, W., Amir, V., Atin, A., Megraini, A., Kusuma, D., 2020. Geographic and socioeconomic disparity in cardiovascular risk factors in Indonesia: analysis of the Basic Health Research 2018. *BMC Public Health* 20, 1004. <https://doi.org/10.1186/s12889-020-09099-1>
- Bays, H.E., Taub, P.R., Epstein, E., Michos, E.D., Ferraro, R.A., Bailey, A.L., Kelli, H.M., Ferdinand, K.C., Echols, M.R., Weintraub, H., Bostrom, J., Johnson, H.M., Hoppe, K.K., Shapiro, M.D., German, C.A., Virani, S.S., Hussain, A., Ballantyne, C.M., Agha, A.M., Toth, P.P., 2021. Ten things to know about ten cardiovascular disease risk factors. *Am. J. Prev. Cardiol.* 5, 100149. <https://doi.org/10.1016/j.ajpc.2021.100149>
- Benjamin, E.J., Muntner, P., Alonso, A., Bittencourt, M.S., Callaway, C.W., Carson, A.P., Chamberlain, A.M., Chang, A.R., Cheng, S., Das, S.R., Delling, F.N., Djousse, L., Elkind, M.S.V., Ferguson, J.F., Fornage, M., Jordan, L.C., Khan, S.S., Kissela, B.M., Knutson, K.L., Kwan, T.W., Lackland, D.T., Lewis, T.T., Lichtman, J.H., Longenecker, C.T., Loop, M.S., Lutsey, P.L., Martin, S.S., Matsushita, K., Moran, A.E., Mussolino, M.E., O'Flaherty, M., Pandey, A., Perak, A.M., Rosamond, W.D., Roth, G.A., Sampson, U.K.A., Satou, G.M., Schroeder, E.B., Shah, S.H., Spartano, N.L., Stokes, A., Tirschwell, D.L., Tsao, C.W., Turakhia, M.P., VanWagner, L.B., Wilkins, J.T., Wong, S.S., Virani, S.S., On behalf of the American Heart Association Council on Epidemiology and Prevention Statistics Committee and Stroke Statistics Subcommittee, 2019. Heart Disease and Stroke Statistics—2019 Update: A Report From the American Heart Association. *Circulation* 139. <https://doi.org/10.1161/CIR.0000000000000659>
- Bergheanu, S.C., Bodde, M.C., Jukema, J.W., 2017. Pathophysiology and treatment of atherosclerosis: Current view and future perspective on lipoprotein modification treatment. *Neth. Heart J. Mon. J. Neth. Soc. Cardiol. Neth. Heart Found.* 25, 231–242. <https://doi.org/10.1007/s12471-017-0959-2>
- Bray, G.A., Bouchard, C., James, W.P.T. (Eds.), 1998. *Handbook of obesity*. M. Dekker, New York.
- Brook, R.D., 2008. Cardiovascular effects of air pollution. *Clin. Sci.* 115, 175–187. <https://doi.org/10.1042/CS20070444>
- Cameron, A.J., Magliano, D.J., Shaw, J.E., Zimmet, P.Z., Carstensen, B., Alberti, K.G.M., Tuomilehto, J., Barr, E.L.M., Pauvaday, V.K., Kowlessur, S., Söderberg, S., 2012. The influence of hip circumference on the relationship between abdominal obesity and mortality. *Int. J. Epidemiol.* 41, 484–494. <https://doi.org/10.1093/ije/dyr198>

Can, Y.S., Iles-Smith, H., Chalabianloo, N., Ekiz, D., Fernández-Álvarez, J., Repetto, C., Riva, G., Ersoy, C., 2020. How to Relax in Stressful Situations: A Smart Stress Reduction System. *Healthc. Basel Switz.* 8, E100. <https://doi.org/10.3390/healthcare8020100>

Centers for Disease Control and Prevention (US), National Center for Chronic Disease Prevention and Health Promotion (US), Office on Smoking and Health (US), 2010. How Tobacco Smoke Causes Disease: The Biology and Behavioral Basis for Smoking-Attributable Disease: A Report of the Surgeon General, Publications and Reports of the Surgeon General. Centers for Disease Control and Prevention (US), Atlanta (GA).

Chobanian, A.V., 2003. The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure The JNC 7 Report. *JAMA* 289, 2560. <https://doi.org/10.1001/jama.289.19.2560>

Cohen, S., Kamarck, T., Mermelstein, R., 1983. A Global Measure of Perceived Stress. *J. Health Soc. Behav.* 24, 385. <https://doi.org/10.2307/2136404>

Conroy, K., 2017. Reducing the burden of CVD in Indonesia. *Aust. George Inst. Glob. Health.*

Conroy, R., 2003. Estimation of ten-year risk of fatal cardiovascular disease in Europe: the SCORE project. *Eur. Heart J.* 24, 987–1003. [https://doi.org/10.1016/S0195-668X\(03\)00114-3](https://doi.org/10.1016/S0195-668X(03)00114-3)

Correll, C.U., Detraux, J., De Lepeleire, J., De Hert, M., 2015. Effects of antipsychotics, antidepressants and mood stabilizers on risk for physical diseases in people with schizophrenia, depression and bipolar disorder. *World Psychiatry* 14, 119–136. <https://doi.org/10.1002/wps.20204>

Correll, C.U., Solmi, M., Veronese, N., Bortolato, B., Rosson, S., Santonastaso, P., Thapa-Chhetri, N., Fornaro, M., Gallicchio, D., Collantoni, E., Pigato, G., Favaro, A., Monaco, F., Kohler, C., Vancampfort, D., Ward, P.B., Gaughran, F., Carvalho, A.F., Stubbs, B., 2017. Prevalence, incidence and mortality from cardiovascular disease in patients with pooled and specific severe mental illness: a large-scale meta-analysis of 3,211,768 patients and 113,383,368 controls. *World Psychiatry* 16, 163–180. <https://doi.org/10.1002/wps.20420>

Czernichow, S., Kengne, A.-P., Huxley, R.R., Batty, G.D., de Galan, B., Grobbee, D., Pillai, A., Zoungas, S., Marre, M., Woodward, M., Neal, B., Chalmers, J., ADVANCE Collaborative Group, 2011. Comparison of waist-to-hip ratio and other obesity indices as predictors of cardiovascular disease risk in people with type-2 diabetes: a prospective cohort study from ADVANCE. *Eur. J. Cardiovasc. Prev. Rehabil. Off. J. Eur. Soc. Cardiol. Work. Groups Epidemiol.*

Prev. Card. Rehabil. Exerc. Physiol. 18, 312–319.
<https://doi.org/10.1097/HJR.0b013e32833c1aa3>

D’Agostino, R.B., Vasan, R.S., Pencina, M.J., Wolf, P.A., Cobain, M., Massaro, J.M., Kannel, W.B., 2008. General cardiovascular risk profile for use in primary care: the Framingham Heart Study. *Circulation* 117, 743–753.
<https://doi.org/10.1161/CIRCULATIONAHA.107.699579>

De Hert, M., Detraux, J., Vancampfort, D., 2018. The intriguing relationship between coronary heart disease and mental disorders. *Dialogues Clin. Neurosci.* 20, 31–40.

Diaz, V.A., Mainous, A.G., Baker, R., Carnemolla, M., Majeed, A., 2007. How does ethnicity affect the association between obesity and diabetes?: Original article. *Diabet. Med.* 24, 1199–1204. <https://doi.org/10.1111/j.1464-5491.2007.02244.x>

Esteghamati, A., Mousavizadeh, M., Noshad, S., Shoar, S., Khalilzadeh, O., Nakhjavani, M., 2013. Accuracy of Anthropometric Parameters in Identification of High-risk Patients Predicted With Cardiovascular Risk Models. *Am. J. Med. Sci.* 346, 26–31.
<https://doi.org/10.1097/MAJ.0b013e31826485de>

Ezzati, M., Henley, S.J., Thun, M.J., Lopez, A.D., 2005. Role of smoking in global and regional cardiovascular mortality. *Circulation* 112, 489–497.
<https://doi.org/10.1161/CIRCULATIONAHA.104.521708>

Folstein, M.F., Folstein, S.E., McHugh, P.R., 1975. “Mini-mental state”. A practical method for grading the cognitive state of patients for the clinician. *J. Psychiatr. Res.* 12, 189–198. [https://doi.org/10.1016/0022-3956\(75\)90026-6](https://doi.org/10.1016/0022-3956(75)90026-6)

Gibson, R.S., 2005. Principles of nutritional assessment, 2nd ed. ed. Oxford University Press, New York.

Goff, D.C., Lloyd-Jones, D.M., Bennett, G., Coady, S., D’Agostino, R.B., Gibbons, R., Greenland, P., Lackland, D.T., Levy, D., O’Donnell, C.J., Robinson, J.G., Schwartz, J.S., Shero, S.T., Smith, S.C., Sorlie, P., Stone, N.J., Wilson, P.W.F., 2014. 2013 ACC/AHA guideline on the assessment of cardiovascular risk: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines. *J. Am. Coll. Cardiol.* 63, 2935–2959. <https://doi.org/10.1016/j.jacc.2013.11.005>

He, F.J., MacGregor, G.A., 2009. A comprehensive review on salt and health and current experience of worldwide salt reduction programmes. *J. Hum. Hypertens.* 23, 363–384. <https://doi.org/10.1038/jhh.2008.144>

- Hendra, P., Virginia, D.M., Fenty, F., Widayati, A., 2017. Correlation between Anthropometric Measurement and Lipid Profile among Rural Community at Cangkringan Village, District Sleman, Yogyakarta Province. Indones. J. Clin. Pharm. 6, 107–115. <https://doi.org/10.15416/ijcp.2017.6.2.107>
- Hippisley-Cox, J., Coupland, C., Vinogradova, Y., Robson, J., Minhas, R., Sheikh, A., Brindle, P., 2008. Predicting cardiovascular risk in England and Wales: prospective derivation and validation of QRISK2. BMJ 336, 1475–1482. <https://doi.org/10.1136/bmj.39609.449676.25>
- Hu, F.B., 2008. Globalization of food patterns and cardiovascular disease risk. Circulation 118, 1913–1914. <https://doi.org/10.1161/CIRCULATIONAHA.108.808493>
- Huxley, R., James, W.P.T., Barzi, F., Patel, J.V., Lear, S.A., Suriyawongpaisal, P., Janus, E., Caterson, I., Zimmet, P., Prabhakaran, D., Reddy, S., Woodward, M., the Obesity in Asia Collaboration*, 2008. Ethnic comparisons of the cross-sectional relationships between measures of body size with diabetes and hypertension. Obes. Rev. 9, 53–61. <https://doi.org/10.1111/j.1467-789X.2007.00439.x>
- Iqbal, R., Anand, S., Ounpuu, S., Islam, S., Zhang, X., Rangarajan, S., Chifamba, J., Al-Hinai, A., Keltai, M., Yusuf, S., INTERHEART Study Investigators, 2008. Dietary patterns and the risk of acute myocardial infarction in 52 countries: results of the INTERHEART study. Circulation 118, 1929–1937. <https://doi.org/10.1161/CIRCULATIONAHA.107.738716>
- Isselbacher, E.M., 2005. Thoracic and Abdominal Aortic Aneurysms. Circulation 111, 816–828. <https://doi.org/10.1161/01.CIR.0000154569.08857.7A>
- JBS3 Board, 2014. Joint British Societies' consensus recommendations for the prevention of cardiovascular disease (JBS3). Heart Br. Card. Soc. 100 Suppl 2, ii1–ii67. <https://doi.org/10.1136/heartjnl-2014-305693>
- Kahn, R.L., Goldfarb, A.I., Pollack, M., Peck, A., 1960. Brief objective measures for the determination of mental status in the aged. Am. J. Psychiatry 117, 326–328. <https://doi.org/10.1176/ajp.117.4.326>
- Khaku, A.S., Tadi, P., 2021. Cerebrovascular Disease, in: StatPearls. StatPearls Publishing, Treasure Island (FL).
- King, R.J., Grant, P.J., 2016. Diabetes and cardiovascular disease: pathophysiology of a life-threatening epidemic. Herz 41, 184–192. <https://doi.org/10.1007/s00059-016-4414-8>

- Lear, S.A., Humphries, K.H., Kohli, S., Chockalingam, A., Frohlich, J.J., Birmingham, C.L., 2007. Visceral adipose tissue accumulation differs according to ethnic background: results of the Multicultural Community Health Assessment Trial (M-CHAT). *Am. J. Clin. Nutr.* 86, 353–359. <https://doi.org/10.1093/ajcn/86.2.353>
- Lear, S.A., Kohli, S., Bondy, G.P., Tchernof, A., Sniderman, A.D., 2009. Ethnic Variation in Fat and Lean Body Mass and the Association with Insulin Resistance. *J. Clin. Endocrinol. Metab.* 94, 4696–4702. <https://doi.org/10.1210/jc.2009-1030>
- Mackay, J., Mensah, G.A., 2004. The atlas of heart disease and stroke. World Health Organization, Geneva.
- Martin, D.C., 1990. The Mental Status Examination, in: Walker, H.K., Hall, W.D., Hurst, J.W. (Eds.), *Clinical Methods: The History, Physical, and Laboratory Examinations*. Butterworths, Boston.
- Murray, S., 2006. Is waist-to-hip ratio a better marker of cardiovascular risk than body mass index? *Can. Med. Assoc. J.* 174, 308–308. <https://doi.org/10.1503/cmaj.051561>
- Napoli, C., D’Armiento, F.P., Corso, G., Ambrosio, G., Palumbo, G., Zuliani, P., Malorni, A., Gallotta, G., Somma, P., Postiglione, A., Chiariello, M., 1997. Occurrence of the same peroxidative compounds in low density lipoprotein and in atherosclerotic lesions from a homozygous familial hypercholesterolemic patient: a case report. *Int. J. Cardiol.* 62, 77–85. [https://doi.org/10.1016/s0167-5273\(97\)00180-0](https://doi.org/10.1016/s0167-5273(97)00180-0)
- National Research Council (U.S.), Fuster, V., Kelly, B.B., Institute of Medicine (U.S.) (Eds.), 2010. Promoting cardiovascular health in the developing world: a critical challenge to achieve global health. National Academies Press, Washington, D.C.
- Nelson, R.H., 2013. Hyperlipidemia as a Risk Factor for Cardiovascular Disease. *Prim. Care Clin. Off. Pract.* 40, 195–211. <https://doi.org/10.1016/j.pop.2012.11.003>
- Obesity in Asia Collaboration, 2007. Waist Circumference Thresholds Provide an Accurate and Widely Applicable Method for the Discrimination of Diabetes. *Diabetes Care* 30, 3116–3118. <https://doi.org/10.2337/dc07-1455>
- Office of the Surgeon General (US), Office on Smoking and Health (US), 2004. The Health Consequences of Smoking: A Report of the Surgeon General, Reports of the Surgeon General. Centers for Disease Control and Prevention (US), Atlanta (GA).

- Olvera Lopez, E., Ballard, B.D., Jan, A., 2021. Cardiovascular Disease, in: StatPearls. StatPearls Publishing, Treasure Island (FL).
- Palinski, W., Napoli, C., 1999. Pathophysiological events during pregnancy influence the development of atherosclerosis in humans. *Trends Cardiovasc. Med.* 9, 205–214. [https://doi.org/10.1016/s1050-1738\(00\)00022-0](https://doi.org/10.1016/s1050-1738(00)00022-0)
- Piepoli, M.F., Hoes, A.W., Agewall, S., Albus, C., Brotons, C., Catapano, A.L., Cooney, M.-T., Corrà, U., Cosyns, B., Deaton, C., Graham, I., Hall, M.S., Hobbs, F.D.R., Løchen, M.-L., Löllgen, H., Marques-Vidal, P., Perk, J., Prescott, E., Redon, J., Richter, D.J., Sattar, N., Smulders, Y., Tiberi, M., van der Worp, H.B., van Dis, I., Verschuren, W.M.M., 2016. 2016 European Guidelines on cardiovascular disease prevention in clinical practice: The Sixth Joint Task Force of the European Society of Cardiology and Other Societies on Cardiovascular Disease Prevention in Clinical Practice (constituted by representatives of 10 societies and by invited experts)Developed with the special contribution of the European Association for Cardiovascular Prevention & Rehabilitation (EACPR). *Eur. Heart J.* 37, 2315–2381. <https://doi.org/10.1093/eurheartj/ehw106>
- Prasad, D., Das, B., 2009. Physical inactivity : A cardiovascular risk factor. *Indian J. Med. Sci.* 63, 33. <https://doi.org/10.4103/0019-5359.49082>
- Prasad, D.S., Kabir, Z., Revathi Devi, K., Peter, P.S., Das, B.C., 2020. Gender differences in central obesity: Implications for cardiometabolic health in South Asians. *Indian Heart J.* 72, 202–204. <https://doi.org/10.1016/j.ihj.2020.04.008>
- Purnell, J.Q., 2018. Definitions, classification, and epidemiology of obesity. Endotext Internet.
- Rowley, W.R., Bezold, C., Arikian, Y., Byrne, E., Krohe, S., 2017. Diabetes 2030: Insights from Yesterday, Today, and Future Trends. *Popul. Health Manag.* 20, 6–12. <https://doi.org/10.1089/pop.2015.0181>
- Schwingshackl, L., Hoffmann, G., Kalle-Uhlmann, T., Arregui, M., Buijsse, B., Boeing, H., 2015. Fruit and Vegetable Consumption and Changes in Anthropometric Variables in Adult Populations: A Systematic Review and Meta-Analysis of Prospective Cohort Studies. *PloS One* 10, e0140846. <https://doi.org/10.1371/journal.pone.0140846>
- Singh, R.B., Mengi, S.A., Xu, Y.-J., Arneja, A.S., Dhalla, N.S., 2002. Pathogenesis of atherosclerosis: A multifactorial process. *Exp. Clin. Cardiol.* 7, 40–53.

Snijder, M.B., Zimmet, P.Z., Visser, M., Dekker, J.M., Seidell, J.C., Shaw, J.E., 2004. Independent and opposite associations of waist and hip circumferences with diabetes, hypertension and dyslipidemia: the AusDiab Study. *Int. J. Obes.* 28, 402–409. <https://doi.org/10.1038/sj.ijo.0802567>

Stoicescu, M., 2020. Chapter 2 - The Main Symptoms of the Cardiovascular Diseases, in: Stoicescu, M. (Ed.), *Medical Semiology Guide of the Cardiovascular System and the Hematologic System*. Academic Press, pp. 5–58. <https://doi.org/10.1016/B978-0-12-819638-0.00002-5>

Truelsen, T., Begg, S., Mathers, C., 2000. The global burden of cerebrovascular disease 67.

Unhapipatpong, C., Shantavasinkul, P.C., Kasemsup, V., Siriyotha, S., Warodomwichit, D., Maneesuwannarat, S., Vathesatogkit, P., Sritara, P., Thakkestian, A., 2021. Tropical Oil Consumption and Cardiovascular Disease: An Umbrella Review of Systematic Reviews and Meta Analyses. *Nutrients* 13, 1549. <https://doi.org/10.3390/nu13051549>

Vos, T., Lim, S.S., Abbafati, C., Abbas, K.M., Abbasi, M., Abbasifard, M., Abbasi-Kangevari, M., Abbastabar, H., Abd-Allah, F., Abdelalim, A., Abdollahi, M., Abdollahpour, I., Abolhassani, H., Aboyans, V., Abrams, E.M., Abreu, L.G., Abrigo, M.R.M., Abu-Raddad, L.J., Abushouk, A.I., Acebedo, A., Ackerman, I.N., Adabi, M., Adamu, A.A., Adebayo, O.M., Adeganmbi, V., Adelson, J.D., Adetokunboh, O.O., Adham, D., Afshari, M., Afshin, A., Agardh, E.E., Agarwal, G., Agesa, K.M., Aghaali, M., Aghamir, S.M.K., Agrawal, A., Ahmad, T., Ahmadi, A., Ahmadi, M., Ahmadi, H., Ahmadpour, E., Akalu, T.Y., Akinyemi, R.O., Akinyemiju, T., Akombi, B., Al-Aly, Z., Alam, K., Alam, N., Alam, S., Alam, T., Alanzi, T.M., Albertson, S.B., Alcalde-Rabanal, J.E., Alema, N.M., Ali, M., Ali, S., Alicandro, G., Alijanzadeh, M., Alinia, C., Alipour, V., Aljunid, S.M., Alla, F., Allebeck, P., Almasi-Hashiani, A., Alonso, J., Al-Raddadi, R.M., Altirkawi, K.A., Alvis-Guzman, N., Alvis-Zakzuk, N.J., Amini, S., Amini-Rarani, M., Aminorroaya, A., Amiri, F., Amit, A.M.L., Amugsi, D.A., Amul, G.G.H., Anderlini, D., Andrei, C.L., Andrei, T., Anjomshoa, M., Ansari, F., Ansari, I., Ansari-Moghaddam, A., Antonio, C.A.T., Antony, C.M., Antriyandarti, E., Anvari, D., Anwer, R., Arabloo, J., Arab-Zozani, M., Aravkin, A.Y., Ariani, F., Ärnlöv, J., Aryal, K.K., Arzani, A., Asadi-Aliabadi, M., Asadi-Pooya, A.A., Asghari, B., Ashbaugh, C., Atnafu, D.D., Atre, S.R., Ausloos, F., Ausloos, M., Ayala Quintanilla, B.P., Ayano, G., Ayanore, M.A., Aynalem, Y.A., Azari, S., Azarian, G., Azene, Z.N., Babaee, E., Badawi, A., Bagherzadeh, M., Bakhshaei, M.H., Bakhtiari, A., Balakrishnan, S., Balalla, S., Balassyano, S., Banach, M., Banik, P.C., Bannick, M.S., Bante, A.B., Baraki, A.G., Barboza, M.A., Barker-Collo, S.L., Barthelemy, C.M., Barua, L., Barzegar, A., Basu, S., Baune, B.T., Bayati, M., Bazmandegan, G., Bedi, N., Beghi, E., Béjot, Y., Bello, A.K., Bender, R.G., Bennett, D.A., Bennitt, F.B., Bensenor, I.M.,

Benziger, C.P., Berhe, K., Bernabe, E., Bertolacci, G.J., Bhageerathy, R., Bhala, N., Bhandari, D., Bhardwaj, P., Bhattacharyya, K., Bhutta, Z.A., Bibi, S., Biehl, M.H., Bikbov, B., Bin Sayeed, M.S., Biondi, A., Birihaane, B.M., Bisanzio, D., Bisignano, C., Biswas, R.K., Bohlouli, S., Bohluli, M., Bolla, S.R.R., Boloor, A., Boon-Dooley, A.S., Borges, G., Borzi, A.M., Bourne, R., Brady, O.J., Brauer, M., Brayne, C., Breitborde, N.J.K., Brenner, H., Briant, P.S., Briggs, A.M., Briko, N.I., Britton, G.B., Bryazka, D., Buchbinder, R., Bumgarner, B.R., Busse, R., Butt, Z.A., Caetano dos Santos, F.L., Cámara, L.L.A., Campos-Nonato, I.R., Car, J., Cárdenas, R., Carreras, G., Carrero, J.J., Carvalho, F., Castaldelli-Maia, J.M., Castañeda-Orjuela, C.A., Castelpietra, G., Castle, C.D., Castro, F., Catalá-López, F., Causey, K., Cederroth, C.R., Cercy, K.M., Cerin, E., Chandan, J.S., Chang, A.R., Charlson, F.J., Chattu, V.K., Chaturvedi, S., Chimed-Ochir, O., Chin, K.L., Cho, D.Y., Christensen, H., Chu, D.-T., Chung, M.T., Cicuttini, F.M., Ciobanu, L.G., Cirillo, M., Collins, E.L., Compton, K., Conti, S., Cortesi, P.A., Costa, V.M., Cousin, E., Cowden, R.G., Cowie, B.C., Cromwell, E.A., Cross, D.H., Crowe, C.S., Cruz, J.A., Cunningham, M., Dahlawi, S.M.A., Damiani, G., Dandona, L., Dandona, R., Darwesh, A.M., Daryani, A., Das, J.K., Das Gupta, R., das Neves, J., Dávila-Cervantes, C.A., Davletov, K., De Leo, D., Dean, F.E., DeCleene, N.K., Deen, A., Degenhardt, L., Dellavalle, R.P., Demeke, F.M., Demsie, D.G., Denova-Gutiérrez, E., Dereje, N.D., Derveniz, N., Desai, R., Desalew, A., Dessie, G.A., Dharmaratne, S.D., Dhungana, G.P., Dianatinasab, M., Diaz, D., Dibaji Forooshani, Z.S., Dingels, Z.V., Dirac, M.A., Djalalinia, S., Do, H.T., Dokova, K., Dorostkar, F., Doshi, C.P., Doshmangir, L., Douiri, A., Doxey, M.C., Driscoll, T.R., Dunachie, S.J., Duncan, B.B., Duraes, A.R., Eagan, A.W., Ebrahimi Kalan, M., Edvardsson, D., Ehrlich, J.R., El Nahas, N., El Sayed, I., El Tantawi, M., Elbarazi, I., Elgendy, I.Y., Elhabashy, H.R., El-Jaafary, S.I., Elyazar, I.R., Emamian, M.H., Emmons-Bell, S., Erskine, H.E., Eshrati, B., Eskandarieh, S., Esmaeilnejad, S., Esmaeilzadeh, F., Esteghamati, A., Estep, K., Etemadi, A., Etillo, A.E., Farahmand, M., Faraj, A., Fareed, M., Faridnia, R., Farinha, C.S. e S., Farioli, A., Faro, A., Faruque, M., Farzadfar, F., Fattahi, N., Fazlzadeh, M., Feigin, V.L., Feldman, R., Fereshtehnejad, S.-M., Fernandes, E., Ferrari, A.J., Ferreira, M.L., Filip, I., Fischer, F., Fisher, J.L., Fitzgerald, R., Flohr, C., Flor, L.S., Foigt, N.A., Folayan, M.O., Force, L.M., Fornari, C., Foroutan, M., Fox, J.T., Freitas, M., Fu, W., Fukumoto, T., Furtado, J.M., Gad, M.M., Gakidou, E., Galle, N.C., Gallus, S., Gamkrelidze, A., Garcia-Basteiro, A.L., Gardner, W.M., Geberemariam, B.S., Gebrehiwot, A.M., Gebremedhin, K.B., Gebreslassie, A.A.A.A., Gershberg Hayoon, A., Gething, P.W., Ghadimi, M., Ghadiri, K., Ghafourifard, M., Ghajar, A., Ghamari, F., Ghashghae, A., Ghiasvand, H., Ghith, N., Gholamian, A., Gilani, S.A., Gill, P.S., Gitimoghaddam, M., Giussani, G., Goli, S., Gomez, R.S., Gopalani, S.V., Gorini, G., Gorman, T.M., Gottlich, H.C., Goudarzi, H., Goulart, A.C., Goulart, B.N.G., Grada, A., Grivna, M., Grosso, G., Gubari, M.I.M., Gughani, H.C., Guimaraes, A.L.S., Guimaraes, R.A., Guled, R.A., Guo, G., Guo, Y., Gupta, R., Haagsma, J.A., Haddock, B., Hafezi-Nejad, N., Hafiz, A., Hagins, H., Haile, L.M., Hall, B.J., Halvaei, I., Hamadeh, R.R.,

Hamagharib Abdullah, K., Hamilton, E.B., Han, C., Han, H., Hankey, G.J., Haro, J.M., Harvey, J.D., Hasaballah, A.I., Hasanzadeh, A., Hashemian, M., Hassanipour, S., Hassankhani, H., Havmoeller, R.J., Hay, R.J., Hay, S.I., Hayat, K., Heidari, B., Heidari, G., Heidari-Soureshjani, R., Hendrie, D., Henrikson, H.J., Henry, N.J., Herteliu, C., Heydarpour, F., Hird, T.R., Hoek, H.W., Hole, M.K., Holla, R., Hoogar, P., Hosgood, H.D., Hosseinzadeh, M., Hostiuc, M., Hostiuc, S., Househ, M., Hoy, D.G., Hsairi, M., Hsieh, V.C., Hu, G., Huda, T.M., Hugo, F.N., Huynh, C.K., Hwang, B.-F., Iannucci, V.C., Ibitoye, S.E., Ikuta, K.S., Ilesanmi, O.S., Ilic, I.M., Ilic, M.D., Inbaraj, L.R., Ippolito, H., Irvani, S.S.N., Islam, M.M., Islam, M., Islam, S.M.S., Islami, F., Iso, H., Ivers, R.Q., Iwu, C.C.D., Iyamu, I.O., Jaafari, J., Jacobsen, K.H., Jadidi-Niaragh, F., Jafari, H., Jafarinia, M., Jahagirdar, D., Jahani, M.A., Jahanmehr, N., Jakovljevic, M., Jalali, A., Jalilian, F., James, S.L., Janjani, H., Janodia, M.D., Jayatilleke, A.U., Jeemon, P., Jenabi, E., Jha, R.P., Jha, V., Ji, J.S., Jia, P., John, O., John-Akinola, Y.O., Johnson, C.O., Johnson, S.C., Jonas, J.B., Joo, T., Joshi, A., Jozwiak, J.J., Jürisson, M., Kabir, A., Kabir, Z., Kalani, H., Kalani, R., Kalankesh, L.R., Kalhor, R., Kamiab, Z., Kanchan, T., Karami Matin, B., Karch, A., Karim, M.A., Karimi, S.E., Kassa, G.M., Kassebaum, N.J., Katikireddi, S.V., Kawakami, N., Kayode, G.A., Keddie, S.H., Keller, C., Kereselidze, M., Khafaie, M.A., Khalid, N., Khan, M., Khatab, K., Khater, M.M., Khatib, M.N., Khayamzadeh, M., Khodayari, M.T., Khundkar, R., Kianipour, N., Kieling, C., Kim, D., Kim, Y.-E., Kim, Y.J., Kimokoti, R.W., Kisa, A., Kisa, S., Kissimova-Skarbek, K., Kivimäki, M., Kneib, C.J., Knudsen, A.K.S., Kocarnik, J.M., Kolola, T., Kopec, J.A., Kosen, S., Koul, P.A., Koyanagi, A., Kravchenko, M.A., Krishan, K., Krohn, K.J., Kuate Defo, B., Kucuk Bicer, B., Kumar, G.A., Kumar, M., Kumar, P., Kumar, V., Kumares, G., Kurmi, O.P., Kusuma, D., Kyu, H.H., La Vecchia, C., Lacey, B., Lal, D.K., Lalloo, R., Lam, J.O., Lami, F.H., Landires, I., Lang, J.J., Lansingh, V.C., Larson, S.L., Larsson, A.O., Lasrado, S., Lassi, Z.S., Lau, K.M.-M., Lavados, P.M., Lazarus, J.V., Ledesma, J.R., Lee, P.H., Lee, S.W.H., LeGrand, K.E., Leigh, J., Leonardi, M., Lescinsky, H., Leung, J., Levi, M., Lewington, S., Li, S., Lim, L.-L., Lin, C., Lin, R.-T., Linehan, C., Linn, S., Liu, H.-C., Liu, S., Liu, Z., Looker, K.J., Lopez, A.D., Lopukhov, P.D., Lorkowski, S., Lotufo, P.A., Lucas, T.C.D., Lugo, A., Lunevicius, R., Lyons, R.A., Ma, J., MacLachlan, J.H., Maddison, E.R., Maddison, R., Madotto, F., Mahasha, P.W., Mai, H.T., Majeed, A., Maled, V., Maleki, S., Malekzadeh, R., Malta, D.C., Mamun, A.A., Manafi, A., Manafi, N., Manguerra, H., Mansouri, B., Mansournia, M.A., Mantilla Herrera, A.M., Maravilla, J.C., Marks, A., Martins-Melo, F.R., Martopullo, I., Masoumi, S.Z., Massano, J., Massenburg, B.B., Mathur, M.R., Maulik, P.K., McAlinden, C., McGrath, J.J., McKee, M., Mehndiratta, M.M., Mehri, F., Mehta, K.M., Meitei, W.B., Memiah, P.T.N., Mendoza, W., Menezes, R.G., Mengesha, E.W., Mengesha, M.B., Mereke, A., Meretoja, A., Meretoja, T.J., Mestrovic, T., Miazgowski, B., Miazgowski, T., Michalek, I.M., Mihretie, K.M., Miller, T.R., Mills, E.J., Mirica, A., Mirzakhimov, E.M., Mirzaei, H., Mirzaei, M., Mirzaei-Alavijeh, M., Misganaw, A.T., Mithra, P., Moazen, B., Moghadaszadeh, M., Mohamadi, E.,

Mohammad, D.K., Mohammad, Y., Mohammad Gholi Mezerji, N., Mohammadian-Hafshejani, A., Mohammadifard, N., Mohammadpourhodki, R., Mohammed, S., Mokdad, A.H., Molokhia, M., Momen, N.C., Monasta, L., Mondello, S., Mooney, M.D., Moosazadeh, M., Moradi, G., Moradi, M., Moradi-Lakeh, M., Moradzadeh, R., Moraga, P., Morales, L., Morawska, L., Moreno Velásquez, I., Morgado-da-Costa, J., Morrison, S.D., Mosser, J.F., Mouodi, S., Mousavi, S.M., Mousavi Khaneghah, A., Mueller, U.O., Munro, S.B., Muriithi, M.K., Musa, K.I., Muthupandian, S., Naderi, M., Nagarajan, A.J., Nagel, G., Naghshtabrizi, B., Nair, S., Nandi, A.K., Nangia, V., Nansseu, J.R., Nayak, V.C., Nazari, J., Nego, I., Nego, R.I., Netsere, H.B.N., Ngunjiri, J.W., Nguyen, C.T., Nguyen, J., Nguyen, Michele, Nguyen, Minh, Nichols, E., Nigatu, D., Nigatu, Y.T., Nikbakhsh, R., Nixon, M.R., Nnaji, C.A., Nomura, S., Norrving, B., Noubiap, J.J., Nowak, C., Nunez-Samudio, V., Oțoiu, A., Oancea, B., Odell, C.M., Ogbo, F.A., Oh, I.-H., Okunga, E.W., Oladnabi, M., Olagunju, A.T., Olusanya, B.O., Olusanya, J.O., Oluwasanu, M.M., Omar Bali, A., Omer, M.O., Ong, K.L., Onwujekwe, O.E., Orji, A.U., Orpana, H.M., Ortiz, A., Ostroff, S.M., Otstavnov, N., Otstavnov, S.S., Øverland, S., Owolabi, M.O., P A, M., Padubidri, J.R., Pakhare, A.P., Palladino, R., Pana, A., Panda-Jonas, S., Pandey, A., Park, E.-K., Parmar, P.G.K., Pasupula, D.K., Patel, S.K., Paternina-Caicedo, A.J., Pathak, A., Pathak, M., Patten, S.B., Patton, G.C., Paudel, D., Pazoki Toroudi, H., Peden, A.E., Pennini, A., Pepito, V.C.F., Peprah, E.K., Pereira, A., Pereira, D.M., Perico, N., Pham, H.Q., Phillips, M.R., Pigott, D.M., Pilgrim, T., Pilz, T.M., Pirsaeheb, M., Plana-Ripoll, O., Plass, D., Pokhrel, K.N., Polibin, R.V., Polinder, S., Polkinghorne, K.R., Postma, M.J., Pourjafar, H., Pourmalek, F., Pourmirza Kalhori, R., Pourshams, A., Poznańska, A., Prada, S.I., Prakash, V., Pribadi, D.R.A., Pupillo, E., Quazi Syed, Z., Rabiee, M., Rabiee, N., Radfar, A., Rafiee, A., Rafiei, A., Raggi, A., Rahimi-Movaghar, A., Rahman, M.A., Rajabpour-Sanati, A., Rajati, F., Ramezanzadeh, K., Ranabhat, C.L., Rao, P.C., Rao, S.J., Rasella, D., Rastogi, P., Rathi, P., Rawaf, D.L., Rawaf, S., Rawal, L., Razo, C., Redford, S.B., Reiner, R.C., Reinig, N., Reitsma, M.B., Remuzzi, G., Renjith, V., Renzaho, A.M.N., Resnikoff, S., Rezaei, N., Rezai, M. sadegh, Rezapour, A., Rhinehart, P.-A., Riahi, S.M., Ribeiro, A.L.P., Ribeiro, D.C., Ribeiro, D., Rickard, J., Roberts, N.L.S., Roberts, S., Robinson, S.R., Roever, L., Rolfe, S., Ronfani, L., Roshandel, G., Roth, G.A., Rubagotti, E., Rumisha, S.F., Sabour, S., Sachdev, P.S., Saddik, B., Sadeghi, E., Sadeghi, M., Saeidi, S., Safi, S., Safiri, S., Sagar, R., Sahebkar, A., Sahraian, M.A., Sajadi, S.M., Salahshoor, M.R., Salamati, P., Salehi Zahabi, S., Salem, H., Salem, M.R.R., Salimzadeh, H., Salomon, J.A., Salz, I., Samad, Z., Samy, A.M., Sanabria, J., Santomauro, D.F., Santos, I.S., Santos, J.V., Santric-Milicevic, M.M., Saraswathy, S.Y.I., Sarmiento-Suárez, R., Sarrafzadegan, N., Sartorius, B., Sarveazad, A., Sathian, B., Sathish, T., Sattin, D., Sbarra, A.N., Schaeffer, L.E., Schiavolin, S., Schmidt, M.I., Schutte, A.E., Schwebel, D.C., Schwendicke, F., Senbeta, A.M., Senthilkumaran, S., Sepanlou, S.G., Shackelford, K.A., Shadid, J., Shahabi, S., Shaheen, A.A., Shaikh, M.A., Shalash, A.S., Shams-Beyranvand, M., Shamsizadeh, M., Shannawaz, M., Sharafi, K., Sharara, F., Sheena, B.S.,

Sheikhtaheri, A., Shetty, R.S., Shibuya, K., Shiferaw, W.S., Shigematsu, M., Shin, J.I., Shiri, R., Shirkoohi, R., Shrimme, M.G., Shuval, K., Siabani, S., Sigfusdottir, I.D., Sigurvinsdottir, R., Silva, J.P., Simpson, K.E., Singh, A., Singh, J.A., Skiadaresi, E., Skou, S.T.S., Skryabin, V.Y., Sobngwi, E., Sokhan, A., Soltani, S., Sorensen, R.J.D., Soriano, J.B., Sorrie, M.B., Soyiri, I.N., Sreeramareddy, C.T., Stanaway, J.D., Stark, B.A., Ștefan, S.C., Stein, C., Steiner, C., Steiner, T.J., Stokes, M.A., Stovner, L.J., Stubbs, J.L., Sudaryanto, A., Sufiyan, M.B., Sulo, G., Sultan, I., Sykes, B.L., Sylte, D.O., Szócska, M., Tabarés-Seisdedos, R., Tabb, K.M., Tadakamadla, S.K., Taherkhani, A., Tajdini, M., Takahashi, K., Taveira, N., Teagle, W.L., Teame, H., Tehrani-Banihashemi, A., Teklehaimanot, B.F., Terrason, S., Tessema, Z.T., Thankappan, K.R., Thomson, A.M., Tohidinik, H.R., Tonelli, M., Topor-Madry, R., Torre, A.E., Touvier, M., Tovani-Palone, M.R.R., Tran, B.X., Travillian, R., Troeger, C.E., Truelsen, T.C., Tsai, A.C., Tsatsakis, A., Tudor Car, L., Tyrovolas, S., Uddin, R., Ullah, S., Undurraga, E.A., Unnikrishnan, B., Vacante, M., Vakilian, A., Valdez, P.R., Varughese, S., Vasankari, T.J., Vasseghian, Y., Venketasubramanian, N., Violante, F.S., Vlassov, V., Vollset, S.E., Vongpradith, A., Vukovic, A., Vukovic, R., Waheed, Y., Walters, M.K., Wang, J., Wang, Y., Wang, Y.-P., Ward, J.L., Watson, A., Wei, J., Weintraub, R.G., Weiss, D.J., Weiss, J., Westerman, R., Whisnant, J.L., Whiteford, H.A., Wiangkham, T., Wiens, K.E., Wijeratne, T., Wilner, L.B., Wilson, S., Wojtyniak, B., Wolfe, C.D.A., Wool, E.E., Wu, A.-M., Wulf Hanson, S., Wunrow, H.Y., Xu, G., Xu, R., Yadgir, S., Yahyazadeh Jabbari, S.H., Yamagishi, K., Yaminfirooz, M., Yano, Y., Yaya, S., Yazdi-Feyzabadi, V., Yearwood, J.A., Yeheyis, T.Y., Yeshitila, Y.G., Yip, P., Yonemoto, N., Yoon, S.-J., Yoosefi Lebni, J., Younis, M.Z., Younker, T.P., Yousefi, Z., Yousefifard, M., Yousefinezhadi, T., Yousuf, A.Y., Yu, C., Yusefzadeh, H., Zahirian Moghadam, T., Zaki, L., Zaman, S.B., Zamani, M., Zamanian, M., Zandian, H., Zangeneh, A., Zastrozhin, M.S., Zewdie, K.A., Zhang, Y., Zhang, Z.-J., Zhao, J.T., Zhao, Y., Zheng, P., Zhou, M., Ziapour, A., Zimsen, S.R.M., Naghavi, M., Murray, C.J.L., 2020. Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet* 396, 1204–1222. [https://doi.org/10.1016/S0140-6736\(20\)30925-9](https://doi.org/10.1016/S0140-6736(20)30925-9)

Vrablik, M., Dlouha, D., Todorovova, V., Stefler, D., Hubacek, J.A., 2021. Genetics of Cardiovascular Disease: How Far Are We from Personalized CVD Risk Prediction and Management? *Int. J. Mol. Sci.* 22, 4182. <https://doi.org/10.3390/ijms22084182>

Welborn, T.A., Dhaliwal, S.S., Bennett, S.A., 2003. Waist-hip ratio is the dominant risk factor predicting cardiovascular death in Australia. *Med. J. Aust.* 179, 580–585. <https://doi.org/10.5694/j.1326-5377.2003.tb05704.x>

World Health Organization, FAO (Eds.), 2003. Diet, nutrition, and the prevention of chronic diseases: report of a WHO-FAO Expert Consultation ; [Joint WHO-

FAO Expert Consultation on Diet, Nutrition, and the Prevention of Chronic Diseases, 2002, Geneva, Switzerland], WHO technical report series. Presented at the Expert Consultation on Diet, Nutrition, and the Prevention of Chronic Diseases, World Health Organization, Geneva.

World Health Organization, 2011. Waist circumference and waist-hip ratio : report of a WHO expert consultation, Geneva, 8-11 December 2008.

World Health Organization (Ed.), 2009. Global health risks: mortality and burden of disease attributable to selected major risks. World Health Organization, Geneva, Switzerland.

World Health Organization (Ed.), 2007. Prevention of cardiovascular disease: guidelines for assessment and management of cardiovascular risk. World Health Organization, Geneva.

World Health Organization (Ed.), 2000. Obesity: preventing and managing the global epidemic: report of a WHO consultation, WHO technical report series. World Health Organization, Geneva.

Worthen, M., Cash, E., 2022. Stress Management, in: StatPearls. StatPearls Publishing, Treasure Island (FL).

Yusuf, S., Hawken, S., Ôunpuu, S., Dans, T., Avezum, A., Lanas, F., McQueen, M., Budaj, A., Pais, P., Varigos, J., Lisheng, L., 2004. Effect of potentially modifiable risk factors associated with myocardial infarction in 52 countries (the INTERHEART study): case-control study. *The Lancet* 364, 937–952. [https://doi.org/10.1016/S0140-6736\(04\)17018-9](https://doi.org/10.1016/S0140-6736(04)17018-9)

Zemaitis, M.R., Boll, J.M., Dreyer, M.A., 2021. Peripheral Arterial Disease, in: StatPearls. StatPearls Publishing, Treasure Island (FL).

Zhang, C., Rexrode, K.M., van Dam, R.M., Li, T.Y., Hu, F.B., 2008. Abdominal Obesity and the Risk of All-Cause, Cardiovascular, and Cancer Mortality: Sixteen Years of Follow-Up in US Women. *Circulation* 117, 1658–1667. <https://doi.org/10.1161/CIRCULATIONAHA.107.739714>