

## REFERENCES

Aho, K., Harmsen, P., Hatano, S., Marquardsen, J., Smirnov, V.E. and Strasser, T. (1980). Cerebrovascular disease in the community: results of a WHO collaborative study. *Bulletin of the World Health Organization*, [online] 58(1), pp.113–130. Available at: <https://pubmed.ncbi.nlm.nih.gov/6966542/> [Accessed 24 Oct. 2021].

Aleksic, D.Z., Jankovic, S.M., Mlosavljevic, M.N., Toncev, G.L., Miletic Drakulic, S.D. and Stefanovic, S.M. (2019). Potential drug-drug interactions in acute ischemic stroke patients at the Neurological Intensive Care Unit. *Open Medicine*, 14(1), pp.813–826.

American Heart Association. (2016). How High Blood Pressure Can Lead to a Heart Attack. [www.heart.org](https://www.heart.org/en/health-topics/high-blood-pressure/health-threats-from-high-blood-pressure/how-high-blood-pressure-can-lead-to-a-heart-attack). <https://www.heart.org/en/health-topics/high-blood-pressure/health-threats-from-high-blood-pressure/how-high-blood-pressure-can-lead-to-a-heart-attack>

American Stroke Association (2018). What is a TIA. [online] [www.stroke.org](http://www.stroke.org). Available at: <https://www.stroke.org/en/about-stroke/types-of-stroke/tia-transient-ischemic-attack/what-is-a-tia>.

American Stroke Association (2019). About Stroke. [online] [www.stroke.org](http://www.stroke.org). Available at: <https://www.stroke.org/en/about-stroke>.

Boehme, A.K., Esenwa, C. and Elkind, M.S.V. (2017). Stroke Risk Factors, Genetics, and Prevention. *Circulation research*, [online] 120(3), pp.472–495. Available at: <https://www.ncbi.nlm.nih.gov/pubmed/28154098>.

CDC (2019). About Stroke. [online] Centers for Disease Control and Prevention. Available at: <https://www.cdc.gov/stroke/about.htm>.

CDC (2020). Types of Stroke. [online] Centers for Disease Control and Prevention. Available at: [https://www.cdc.gov/stroke/types\\_of\\_stroke.htm](https://www.cdc.gov/stroke/types_of_stroke.htm).

Chang, C.-S., Chen, H.-J., & Liao, C.-H. (2018). Patients with Cerebral Stroke Have an Increased Risk of Gastroesophageal Reflux Disease: A Population-Based Cohort Study. *Journal of Stroke and Cerebrovascular Diseases*, 27(5), 1267–1274. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2017.12.001>

Chyntia, V. M., & Pinzon, R. T. (2021). Drug Utilization Evaluation Anti Edema Otak pada Pasien Stroke Hemoragik di Rumah Sakit Bethesda

Yogyakarta. *Indonesian Journal of Clinical Pharmacy*, 10(1), 37–49.  
<https://doi.org/10.15416/ijcp.2021.10.1.37>

Cooper, J.A., Cadogan, C.A., Patterson, S.M., Kerse, N., Bradley, M.C., Ryan, C. and Hughes, C.M. (2015). Interventions to improve the appropriate use of polypharmacy in older people: a Cochrane systematic review. *BMJ Open*, 5(12), p.e009235.

Di Legge, S., Koch, G., Diomedi, M., Stanzione, P. and Sallustio, F. (2012). Stroke Prevention: Managing Modifiable Risk Factors. [online] *Stroke Research and Treatment*. Available at: <https://www.hindawi.com/journals/srt/2012/391538/>.

Ellangovan, R., Kassab, Y. W., Iqbal, M. S., Khan, S., & Saad, E. M. S. (2020). Drug Utilization Pattern among Stroke Patients - A Cross-sectional Insight. *Asian Journal of Pharmaceutics*, 14(4). <https://doi.org/10.22377/ajp.v14i4.3826>

FDA. (2019). Generic Drug Facts. [fda.gov](https://www.fda.gov/drugs/generic-drugs/generic-drug-facts). <https://www.fda.gov/drugs/generic-drugs/generic-drug-facts>

Feigin, V.L., Stark, B.A., Johnson, C.O., Roth, G.A., Bisignano, C., Abady, G.G., Abbasifard, M., Abbasi-Kangevari, M., Abd-Allah, F., Abedi, V., Abualhasan, A., Abu-Rmeileh, N.M., Abushouk, A.I., Adebayo, O.M., Agarwal, G., Agasthi, P., Ahinkorah, B.O., Ahmad, S., Ahmadi, S. and Ahmed Salih, Y. (2021). Global, regional, and national burden of stroke and its risk factors, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Neurology*, 20(10), pp.795–820.

Gallacher, K. I., Jani, B. D., Hanlon, P., Nicholl, B. I., & Mair, F. S. (2019). Multimorbidity in Stroke. *Stroke*, 50(7), 1919–1926.  
<https://doi.org/10.1161/strokeaha.118.020376>

Halli-Tierney, A.D., Scarbrough, C. and Carroll, D. (2019). Polypharmacy: Evaluating Risks and Deprescribing. *American Family Physician*, [online] 100(1), pp.32–38. Available at: <https://www.aafp.org/afp/2019/0701/p32.html>.

Hemphill, J.C., Greenberg, S.M., Anderson, C.S., Becker, K., Bendok, B.R., Cushman, M., Fung, G.L., Goldstein, J.N., Macdonald, R.L., Mitchell, P.H., Scott, P.A., Selim, M.H. and Woo, D. (2015). Guidelines for the Management of Spontaneous Intracerebral Hemorrhage. *Stroke*, 46(7), pp.2032–2060.

Institute of Health Metrics and Evaluation (2020). Stroke — Level 3 cause. [online] Institute for Health Metrics and Evaluation. Available at:

[http://www.healthdata.org/results/gbd\\_summaries/2019/stroke-level-3-cause](http://www.healthdata.org/results/gbd_summaries/2019/stroke-level-3-cause)  
[Accessed 30 Oct. 2021].

Jennum, P., Iversen, H. K., Ibsen, R., & Kjellberg, J. (2015). Cost of stroke: a controlled national study evaluating societal effects on patients and their partners. *BMC Health Services Research*, 15(1). <https://doi.org/10.1186/s12913-015-1100-0>

Jiang, Y., Damiris, K., Suero-Abreu, G., Xu, B., & Ahlawat, S. (2021). Reflux esophagitis is associated with higher risks of acute stroke and transient ischemic attacks in patients hospitalized with atrial fibrillation. *Medicine*, 100(25), e26502. <https://doi.org/10.1097/MD.00000000000026502>

Jokanovic, N., Tan, E.C.K., Dooley, M.J., Kirkpatrick, C.M., Elliott, R.A. and Bell, J.S. (2016). Why is polypharmacy increasing in aged care facilities? The views of Australian health care professionals. *Journal of Evaluation in Clinical Practice*, 22(5), pp.677–682.

Karuniawati, H., Ikawati, Z., & Gofir, A. (2019). Pencegahan Sekunder untuk Menurunkan Kejadian Stroke Berulang pada Stroke Iskemik. *Jurnal Manajemen Dan Pelayanan Farmasi*, 5(2443-2946), 15.

Kementerian Kesehatan RI (2018). Stroke Don't be the One. [online] Available at: <https://pusdatin.kemkes.go.id/download.php?file=download/pusdatin/infodatin/infodatin-stroke-dont-be-the-one.pdf>.

Kementerian Kesehatan RI (2018). Hasil Utama Riskesdas 2018. [online] Available at: [https://kesmas.kemkes.go.id/assets/upload/dir\\_519d41d8cd98f00/files/Hasil-riskesdas-2018\\_1274.pdf](https://kesmas.kemkes.go.id/assets/upload/dir_519d41d8cd98f00/files/Hasil-riskesdas-2018_1274.pdf).

Kleindorfer, D.O., Towfighi, A., Chaturvedi, S., Cockcroft, K.M., Gutierrez, J., Lombardi-Hill, D., Kamel, H., Kernan, W.N., Kittner, S.J., Leira, E.C., Lennon, O., Meschia, J.F., Nguyen, T.N., Pollak, P.M., Santangeli, P., Sharrief, A.Z., Smith, S.C., Turan, T.N. and Williams, L.S. (2021). 2021 Guideline for the Prevention of Stroke in Patients With Stroke and Transient Ischemic Attack: A Guideline From the American Heart Association/American Stroke Association. *Stroke*, 52(7).

Kumar, S., Selim, M.H. and Caplan, L.R. (2010). Medical complications after stroke. *The Lancet Neurology*, 9(1), pp.105–118.

Kumar, V., Damodar, G., Ravikanth, S., & Vijayakumar, G. (2012). Drug Utilization pattern of Stroke Patients in a Tertiary Care Hospital. *International Journal of Current Pharmaceutical & Clinical Research*, 2(1), 3–7.

Lin, Q., Ye, T., Ye, P., Borghi, C., Cro, S., Damasceno, A., Khan, N., Nilsson, P. M., Prabhakaran, D., Ramirez, A., Schlaich, M. P., Schutte, A. E., Stergiou, G., Weber, M. A., Beaney, T., & Poulter, N. R. (2022). Hypertension in stroke survivors and associations with national premature stroke mortality: data for 2.5 million participants from multinational screening campaigns. *The Lancet Global Health*, 10(8), e1141–e1149. [https://doi.org/10.1016/s2214-109x\(22\)00238-8](https://doi.org/10.1016/s2214-109x(22)00238-8)

McCann, S. K., & Lawrence, C. B. (2020). Comorbidity and age in the modeling of stroke: are we still failing to consider the characteristics of stroke patients? *BMJ Open Science*, 4(1), e100013. <https://doi.org/10.1136/bmjos-2019-100013>

Meena, D.K. and Jayanthi, M. (2019). Drug utilization research: a review. *International Journal of Basic & Clinical Pharmacology*, 8(2), p.354.

Menteri Kesehatan Republik Indonesia (2018). *Peraturan Menteri Kesehatan Republik Indonesia Nomor 54 Tahun 2018 tentang Penyusunan dan Penerapan Formularium Nasional dalam Penyelenggaraan Program Jaminan Kesehatan*.

Menteri Kesehatan Republik Indonesia (2019). *Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.01.07/MENKES/394/2019 tentang Pedoman Nasional Pelayanan Kedokteran Tata Laksana Stroke*.

Rexrode, K. M., Madsen, T. E., Yu, A. Y. X., Carcel, C., Lichtman, J. H., & Miller, E. C. (2022). The Impact of Sex and Gender on Stroke. *Circulation Research*, 130(4), 512–528. <https://doi.org/10.1161/circresaha.121.319915>

Ricci, S., Celani, M. G., Cantisani, T. A., & Righetti, E. (2012). Piracetam for acute ischaemic stroke. *Cochrane Database of Systematic Reviews*. <https://doi.org/10.1002/14651858.cd000419.pub3>

Sacco, R.L., Kasner, S.E., Broderick, J.P., Caplan, L.R., Connors, J.J.B., Culebras, A., Elkind, M.S.V., George, M.G., Hamdan, A.D., Higashida, R.T., Hoh, B.L., Janis, L.S., Kase, C.S., Kleindorfer, D.O., Lee, J.-M., Moseley, M.E., Peterson, E.D., Turan, T.N., Valderrama, A.L. and Vinters, H.V. (2013). An updated definition of stroke for the 21st century: a statement for healthcare professionals from the American Heart Association/American Stroke Association. *Stroke*, [online] 44(7), pp.2064–89. Available at: <https://www.ncbi.nlm.nih.gov/pubmed/23652265>.

Savitz, S. I., Baron, J.-C., Yenari, M. A., Sanossian, N., & Fisher, M. (2017). Reconsidering Neuroprotection in the Reperfusion Era. *Stroke*, 48(12), 3413–3419. <https://doi.org/10.1161/strokeaha.117.017283>

Sekhar, L., Zeeshan, Q., Ghodke, B., Juric-Sekhar, G., Barber, J., & Kim, L. (2018). Surgery for very large and giant intracranial aneurysms: Results and complications. *Neurology India*, 66(6), 1741. <https://doi.org/10.4103/0028-3886.246291>

Truter, I. (2008). A Review of Drug Utilization Studies and Methodologies. *Jordan Journal of Pharmaceutical Sciences*, 1(2), p.93.

Unnithan, A. K. A., & Mehta, P. (2020). Hemorrhagic Stroke. PubMed; StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK559173/>

Virani, S.S., Alonso, A., Aparicio, H.J., Benjamin, E.J., Bittencourt, M.S., Callaway, C.W., Carson, A.P., Chamberlain, A.M., Cheng, S., Delling, F.N., Elkind, M.S.V., Evenson, K.R., Ferguson, J.F., Gupta, D.K., Khan, S.S., Kissela, B.M., Knutson, K.L., Lee, C.D., Lewis, T.T. and Liu, J. (2021). Heart Disease and Stroke Statistics—2021 Update: A Report From the American Heart Association. *Circulation*, 143(8).

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. (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(10258), 1204–1222. [https://doi.org/10.1016/S0140-6736\(20\)30925-9](https://doi.org/10.1016/S0140-6736(20)30925-9)

Winstein, C. J., Stein, J., Arena, R., Bates, B., Cherney, L. R., Cramer, S. C., Deruyter, F., Eng, J. J., Fisher, B., Harvey, R. L., Lang, C. E., MacKay-Lyons, M., Ottenbacher, K. J., Pugh, S., Reeves, M. J., Richards, L. G., Stiers, W., Zorowitz, R. D., & American Heart Association Stroke Council, Council on Cardiovascular and Stroke Nursing, Council on Clinical Cardiology, and Council on Quality of Care and Outcomes Research. (2016). Guidelines for Adult Stroke Rehabilitation and Recovery: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association. *Stroke*, 47(6), e98–e169. <https://doi.org/10.1161/STR.0000000000000098>

World Health Organization. (2016). Multimorbidity. In apps.who.int. World Health Organization. <https://apps.who.int/iris/handle/10665/252275>

World Health Organization. (2020, December 9). The top 10 causes of death. [Www.who.int. https://www.who.int/news-room/fact-sheets/detail/the-top-10-causes-of-death#:~:text=The%20top%20global%20causes%20of](https://www.who.int/news-room/fact-sheets/detail/the-top-10-causes-of-death#:~:text=The%20top%20global%20causes%20of)

WHO International Working Group for Drug Statistics Methodology, WHO Collaborating Centre for Drug Statistics Methodology & WHO Collaborating Centre for Drug Utilization Research and Clinical Pharmacological Services. (2003). Introduction to drug utilization research. [online] Geneva: World Health Organization. Available at: <https://apps.who.int/iris/handle/10665/42627>

Yousufuddin, M. and Young, N. (2019). Aging and ischemic stroke. *Aging*, [online] 11(9), pp.2542–2544. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6535078/>.

Zhang, Y., Wang, C., Liu, D., Zhou, Z., Gu, S., & Zuo, H. (2021). Association of total pre-existing comorbidities with stroke risk: a large-scale community-based cohort study from China. *BMC Public Health*, 21(1). <https://doi.org/10.1186/s12889-021-12002-1>