**EWAS CATALOG FILTER**

<https://www.ewascatalog.org/?location=&ewas=blood+pressure>

Battram, T., Gaunt, T. R., Relton, C. L., Timpson, N. J., & Hemani, G. (2022). A comparison of the genes and genesets identified by GWAS and EWAS of fifteen complex traits. Nature Communications, 13(1). <https://doi.org/10.1038/s41467-022-35037-3>

n= , Ethnicities=, SampleType= , Age range=, Outcome=

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Dregan, A., Ravindrarajah, R., Hazra, N. C., Hamada, S., Jackson, S. H., & Gulliford, M. C. (2016). Longitudinal Trends in hypertension management and Mortality among octogenarians: Prospective cohort study. Journal of Hypertension. <https://doi.org/10.1161/hypertensionaha>

n= , Ethnicities=, SampleType= , Age range=, Outcome=

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Workalemahu, T., Ouidir, M., Shrestha, D., Wu, J., Grantz, K. L., & Tekola-Ayele, F. (2020). Differential DNA methylation in placenta associated with maternal blood pressure during pregnancy. Hypertension, 75(4), 1117–1124. <https://doi.org/10.1161/hypertensionaha.119.14509>

n= , Ethnicities=, SampleType= , Age range=, Outcome=

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**PUBMED SEARCH:** (EWAS AND blood pressure) OR (dna methylation AND blood pressure) OR (EWAS AND hyperten\*) OR (dna methylation hyperten\*)

Wang, X., Falkner, B., Zhu, H., Shi, H., Su, S., Xu, X., Sharma, A. K., Dong, Y., Treiber, F., Gutin, B., Harshfield, G., & Snieder, H. (2013). A Genome-Wide Methylation Study on Essential Hypertension in Young African American Males. PLoS ONE, 8(1), e53938. <https://doi.org/10.1371/journal.pone.0053938>

n= , Ethnicities=, SampleType= , Age range=, Outcome=

wang\_cpgs <- c("cg09772827346", "cg14958635", "cg11719157630", "cg14371590222", "cg27431859691", "cg079623151375", "cg06701500565", "cg15118204191", "cg04463638148")

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Boström, A. E., Mwinyi, J., Voisin, S., Wu, W., Schultes, B., Zhang, K., & Schiöth, H. B. (2016). Longitudinal genome-wide methylation study of Roux-en-Y gastric bypass patients reveals novel CpG sites associated with essential hypertension. BMC Medical Genomics, 9(1). <https://doi.org/10.1186/s12920-016-0180-y>

n= , Ethnicities=, SampleType= , Age range=, Outcome=

bostrom\_cpgs <- c("cg00161968", "cg00875989", "cg06251539", "cg08706258", "cg09134341", "cg10146710", "cg10596925", "cg10640093", "cg12360759", "cg15612682", "cg16076930", "cg16118212", "cg16500810", "cg18643762", "cg20841073", "cg21344124", "cg21996137", "cg22011370", "cg22295383", "cg23945265", "cg25521086", "cg25544164")

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Domínguez-Barragán, J., Fernández-Sanlés, A., Hernáez, Á., Llauradó-Pont, J., Marrugat, J., Robinson, O., Tzoulaki, I., Elosua, R., & Lassale, C. (2023). Blood DNA methylation signature of diet quality and association with cardiometabolic traits. European Journal Of Preventive Cardiology, 31(2), 191-202. <https://doi.org/10.1093/eurjpc/zwad317>

n= , Ethnicities=, SampleType= , Age range=, Outcome=

dguez\_cpgs <- c("cg05399785", "cg12728588", "cg03084350", "cg02107842", "cg05575921", "cg27395200", "cg08774868", "cg13518625", "cg23900905", "cg23761815", "cg00574958", "cg02079413", "cg01678580", "cg03819286", "cg02650017", "cg18181703", "cg20761853", "cg00711496")

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Irvin, M. R., Jones, A. C., Claas, S. A., & Arnett, D. K. (2021). DNA Methylation and Blood Pressure Phenotypes: A Review of the Literature. American Journal Of Hypertension, 34(3), 267-273. https://doi.org/10.1093/ajh/hpab026

n= , Ethnicities=, SampleType= , Age range=, Outcome=

irvin\_cpgs <- c("cg14476101", "cg06690548", "cg23999170", "cg00574958", "cg00574958", "cg19693031", "cg06690548", "cg07598370", "cg19693031", "cg18120259")

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Kazmi, N., Elliott, H. R., Burrows, K., Tillin, T., Hughes, A. D., Chaturvedi, N., Gaunt, T. R., & Relton, C. L. (2020). Associations between high blood pressure and DNA methylation. PLoS ONE, 15(1), e0227728. <https://doi.org/10.1371/journal.pone.0227728>

n= , Ethnicities=, SampleType= , Age range=, Outcome=

kazmi\_cpgs <- c("cg15935121", "cg26332488", "cg07797660", "cg25203007", "cg04427651", "cg06754224", "cg00039326", "cg14663208", "cg20146909", "cg03725309", "cg18933331", "cg23999170", "cg16246545", "cg14476101", "cg19693031", "cg19266329", "cg24955196", "cg12593793", "cg17453456", "cg00936728", "cg04275362", "cg21777154", "cg21534578", "cg12417775", "cg08035323", "cg01243072", "cg11938080", "cg21990144", "cg18119407", "cg22007809", "cg15616915", "cg09639152", "cg00959259", "cg22213445", "cg24960291", "cg22959409", "cg06690548", "cg07990556", "cg05473987", "cg20131596", "cg27054084", "cg22885332", "cg04104695", "cg21066063", "cg21618521", "cg18120259", "cg03125341", "cg21429551", "cg03068497", "cg19390658", "cg07621224", "cg22510074", "cg06688763", "cg15261712", "cg22103219", "cg12816198", "cg05632420", "cg00008629", "cg04665046", "cg17443080", "cg03383434", "cg07856667", "cg15995714", "cg02116864", "cg00805360", "cg17061862", "cg03393444", "cg14099685", "cg07160014", "cg11376147", "cg06178669", "cg15920975", "cg20379593", "cg00574958", "cg17058475", "cg20374917", "cg10601624", "cg09680149", "cg06826457", "cg14741228", "cg05242244", "cg06679990", "cg22608507", "cg09001549", "cg00716257", "cg22143352", "cg02946885", "cg00944304", "cg10941749", "cg26916780", "cg07175797", "cg05288253", "cg20805367", "cg13917614", "cg22361181", "cg08857797", "cg14179401", "cg11133963", "cg18824549", "cg02976539", "cg14818621", "cg06599169", "cg11719283", "cg22304262", "cg02711608", "cg21766592", "cg15114651", "cg07626482", "cg00711496", "cg17417856", "cg22052056", "cg24890964", "cg20239391", "cg01385679", "cg10589813", "cg14090647", "cg15333769", "cg07141002", "cg17863679")