STRESS MANAGEMENT

• Eustress

Results from something good and we react positive. Manageable Stress can lead to growth and enhanced competence

• Distress

Results from something bad and we react negative. Uncontrollable, prolonged, or overwhelming stress is destructive



What Causes Stress?

• Stressors- Physical, Emotional, Social

- Family Relationships
- School
- Peer Groups/ Friends
- Discrimination
- Injury
- Sickness
- Fatigue
- Any Major Changes

<u>Stressors</u> are things that cause stress. Almost everything is a stressor depending on the individual.











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maltreatment predict cortisol reactivity to stress in adolescents ennifer A. Sumner ^e 은 펌, Katle A. McLoughlin [®] , Kate Wolsh [®] , Margaret A. Sheridan [®] , arrestan C. Kaenen [®]	Epub 2017 Oct 28. The role of genetic variation in the glucocorticoid receptor (NR3C1) and mineralocorticoid receptor (NR3C2) in the association between cortisol response and cognition under acute stress
▶ Front Psychiatry. 2023 Jun 16;14:1182345. doi: 1 Role of FKBP5 and its genetic mu	1.3389/fpsyt.2023.1182345 12 tations in stress-induced psychiatric
disorders: an opportunity for dru	ig discovery



MINI REVIEW article	Study	Sample	Those	Assessment	Game(s)/ scope	Findings
front, Psychiatry, 20 March 2020 https://doi.org/10.3389/fpsyt.2020.00163	Dody Ne					
Epigenetics Underlying Susceptibility and	Duman and Canii (1)	105 Gaucesion males	Blood	TICS for paet 3 months	31.0544	1 total methytelion as a function of chronic dely stress in 3-1/172/PR if genotype carriers
Resilience Relating to Daily Life Stress, Work	100 C					1 promoter inethylation as a function of chronic daily stream in 5-HTTLPH a silele carriers
Stress, and Socioeconomic Status	et al. (1)	112 Dutch/Balgian paythetrating nailing individuati, a population based replication samples of 454 individuate. 85 undifected ablings of parents with psycholose. 150 patients with psycholes. 126 patients with a MDD Heares hotory.	Blood, salivid, or bucces epithelium	Experience sampling method for daily strendul and proceed overfa	DAM71, DAM734, DAM738, M7H78, M7H78	Association of the minor UTM/124, int 1563424 T alive with a reduced impact of key lite stress on registrive effectivity in the discovery sample, optication sample, and in the sample of periodic with a M2D
Michael G. Gottschalk', 🧾 Katharina Domschke ¹² and 🦳 Miriam A. Schiele ¹⁴	Work	and mockail symptom.				Wellmu Helpry
	Alexandri et el. (1)	24 Final tenate runale reporting high and 25 ferrate hurses reporting low wolk stress evaluation ()	Blood	100	81.0544	2 promoter everyfallion aanociated with Protocol perceived work terms
	Miryaki at.al. (1)	30 Appress resultating company workers	S#\m	102	194	1 overal puerage / promoter / 5 -regulator respon methytetion associated all?) increased work strain
	Song et.al.(1)	380 Japanese manufacturing company workers	Seive	100	EDM6"	1 overal average methylation associated with promoted work situat.
	Bulkavo et al. (1)	E9 Finalsh pilots, fight, attendants, and nurses (from Alessan et al., 2014)	Blood		M7NR1A	1 methylation levels in the M7MR1A promoter region associated with the minor M7NR7A rs12005281 A alide ideoxymed in a GRAAS of work-related enhauetum in
	SES					Pre same study!
	Bunih at al. (11)	178 kindergenen strikten forn messt affreis backgrounds	Bucoli epittelum	Composite measure of parental income and solucation used as a procy of one.	EWAB	Overseptean taken of alternat methylation a GoG bites in genes related to immune and developmental regulation functions associated with low 592
	Coller at al. (11)	311 Mexican-American matemai-intent pains	Cord blood	atto Neighborhood-level characteridica used as a arosy of SES	EWAS	1 methylation of UNET elements associate with low SES
	Florite et.al. (12)	Nets-analyzer, of 5,087 surrayies of independent contents from Australia, Indent, and Italy	filood	Highest level of souccriteral attainment used as a prove of SES	Accelerated Internet Resignatio	increased accelerated approximation aging according with two SES
	Jones- Mason	103 late ackiescents from mixed ethnic backgrounds	Blood	Holinginess Measure of SES	aging SLOSAI	t methylation and low SES linked to increased reports of taxims
	et al. (1-1)	603 meterse-mlast para from maxid etmic backgrounds	Cord blood and peripherol blood (3- yet)(Composite measure of Individual- and neighborhaod- level manics used as a proxy of SES	EVM5	Attend intervaluon in CpG alter mapped to ACOPIL 704026C-AST. MOURA and LRPHA associated with low SER, LRPHA mathylatori changes passisted into early childhood
	McDade at sL (12)	488 Filpher youth	liked	Comparists measure of income, adapts, and school of a provy of	TRIVAS	Overregressentation of altered metholation of QpG rates in genes satisfied to immune functions, available development, and CNS
	Santos et al. (18)	<28 Harts borr -28 weeks of galaxies from mixed attric backgrounds	Peconta	BED Composite measure of parental education, market statue, tood and nutritional service assistance, and public heads insurance used as a more used.	EWAS	devicement associated with flow scale Overviewent attend of the and institution in CpG sites in genes related to celular immune and sites response associated with low SEB
	Swartz et al. (17)	132 Gautasian adgescents	Salva	Highest level of parental educational attainment used as a proxy of SES	860544	1 methylation change over 2 years associated with low SES and increased treat-related amountatio rescrives
	Uddin et al. (111)	77 trauna-exposed controls and (3 PTSD patients, primarly with Alikan-American background	Blood	Highest level of educational additionent used as a proxy of BEB	DWAS	Methylation-GES Metaction percuried primady in genes velated to nervous syster kardien







	.so stress might be respor	nsabile of					
Review Article Published: 10 Seatember 2021 Stress and cancer: mechanisms, significance and future directions Anabel Eckerling. Itay Ricon-Becker, Liat Sorski, Elad Sandbank & Shamaar Ben-Eliyahu			THE ASSOCIATION BETWEEN STRESS AND DRINKING: MODIFYING EFFECTS OF GENDER AND VULNERABILITY CO DEBORAH A. DAWSON S, BRIDGET F. GRANT, W. JUNE RUAN				
Nature Reviews Cancer 21, 767-785 (2021) Cite this article 5346 Accesses 2 Citations 91 Altmetric Matrice		Alcohol and Alcoholism, Volume 40, Issue 5, September/October 2005, Pages 453-460, https://doi.org/10.1093/alcalc/agh176 Published: 21 June 2005					
MONO V Mental Health > Exting Disorders > Binge Exting Disorder > Reference How Does Stress Affect Binge Eating?		Curr Neuropharmacol. 2015 Jul; 13(4): 494–504. PMCI Published online 2015 Jul. doi: 10.2174/1570159X1304150831150507 PMCI The Effects of Psychological Stress on Depression Page 2015 Jul. doi: 10.2174/1570159X1304150831150507					
By Stephanie Watson Medically Reviewed by Jennifer Casarella, MD on September 27, 202	0	Longtei Yang, ^a Yinghao Zhao, ^b Yicun Wang, ^a Lei Liu, ^a Xingyi Zhang, ^b Bingjin Li, ^a , [*] and Ranji Cuj ^{a,*} Author information + Article notes + Copyright and License Information Disclaimer					
Ernni Hum Neurosci. 2017; 11: 316. Published online 2017 Jun 20. doi: <u>10.3389/thtum.2017.00316</u> Inflammation: The Common Pathway of Str Yun-Zi Liu, Yun-Xia Wang, and Chun-Lei Jiang ¹	PMCIO: PMC5476783 PMID: 28676747 ess-Related Diseases	Stress Biology and Aging Mechanisms: Toward Understanding the Deep Connection Between Adaptation to Stress and Longevity @ Elissa S. Epel, Gordon J. Lithgow Author Notes					
Review > Clin Churn Acta. 2020 Apr;503:163-168. d Epuid 2020 Jan 24. Stress and neurodegeneration		The Journals of Gerantology: Series A, Volume 69, Issue Suppl_1, June 2014, Pa St6, https://doi.org/10.1093/gerana/glu055 10%6j.cca.2020.010% ablished: 08 May 2014 Article history •					
	Carmen Peña-Bautista ³ , Esther Casas-Fernández ³ , Méxim Consuelo Cháfer-Pericás ³ Affiliations + expand PMID: 31987795 DOI: 10.1016(j.cca.2020.01.019	io Vento ³ , Miguel Baquero ²					



