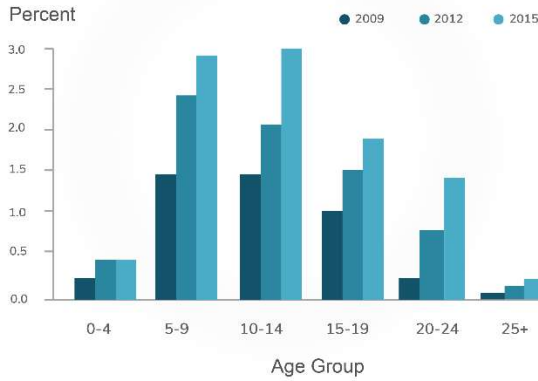
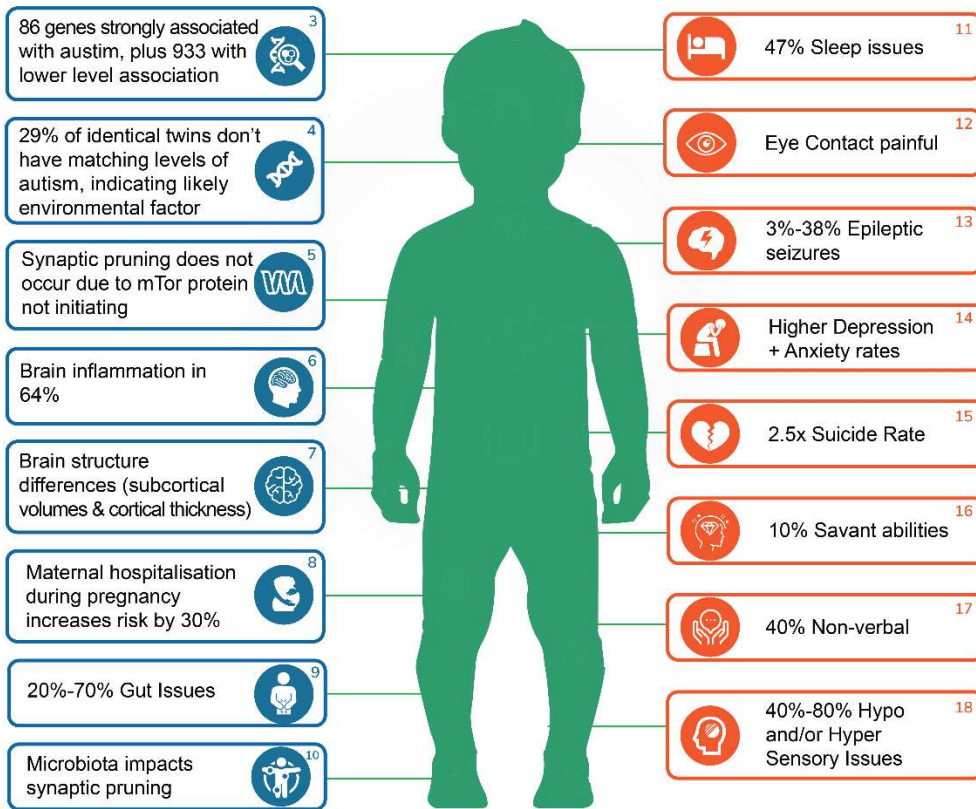
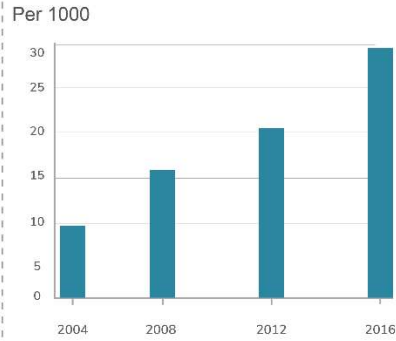


Autism – What We Know for Sure in 2019

Prevalence is increasing in Australia¹



Prevalence is increasing in USA²



20-40% of children with autism seem to develop neurotypically (reach all their milestones) up until age 1.8 years average, then appear to "regress"³



Males are 4 times more prevalent than females¹⁹



Average age of diagnosis is 3 years old (in 2016)²⁰

1. <https://www.aihw.gov.au/reports/disability/autism-in-australia/contents/autism>
2. <https://www.cdc.gov/ncbddd/autism/data/index.html>
3. Tammimies, K. (2019). Genetic mechanisms of regression in autism spectrum disorder. *Neuroscience and Biobehavioral Reviews*, 102, 208–220. <https://doi.org/10.1016/j.neubiorev.2019.04.022> Impact Factor (IF) 9
4. Zeeuw, E. L., Beijsterveldt, C. E. M., Hoekstra, R. A., Bartels, M., & Boomsma, D. I. (2017). The etiology of autistic traits in preschoolers: a population-based twin study. *Journal of Child Psychology and Psychiatry*, 58(8), 893–901. <https://doi.org/10.1111/jcpp.12741> IF 6
5. Tang, G., Gudsnuik, K., Kuo, S.-H., Cotrina, M., Rosoklija, G., Sosunov, A., Sulzer, D. (2014). Loss of mTOR-Dependent Macroautophagy Causes Autistic-like Synaptic Pruning Deficits. *Neuron*, 83(6), 1482–1482. <https://doi.org/10.1016/j.neuron.2014.09.001> IF 14
6. DiStasio, M. M., Nagakura, I., Nadler, M. J., & Anderson, M. P. (2019). T lymphocytes and cytotoxic astrocyte blebs correlate across autism brains. *Annals of Neurology*, 86(6), 885–898. <https://doi.org/10.1002/ana.25610> IF 10
7. van Rooij, Daan, Anagnostou, Evdokia, Arango, Celso, Auzias, Guillaume, Behrmann, Marlene, Busatto, Geraldo F, ... Buitelaar, Jan K. (2018). Cortical and Subcortical Brain Morphometry Differences Between Patients With Autism Spectrum Disorder and Healthy Individuals Across the Lifespan: Results From the ENIGMA ASD Working Group. *American Journal of Psychiatry*, 175(4), 359–369. <https://doi.org/10.1176/appi.ajp.2017.17010100> IF 13
8. Lee, B. K., Magnusson, C., Gardner, R. M., Blomström, Åsa, Newschaffer, C. J., Burstyn, I., ... Dalman, C. (2015). Maternal hospitalization with infection during pregnancy and risk of autism spectrum disorders. *Brain Behavior and Immunity*, 44, 100–105. <https://doi.org/10.1016/j.bbi.2014.09.001> IF 6
9. Rose, Destanie R, Yang, Houa, Serena, Gloria, Sturgeon, Craig, Ma, Bing, Careaga, Milo, Ashwood, Paul. (2018). Differential immune responses and microbiota profiles in children with autism spectrum disorders and co-morbid gastrointestinal symptoms. *Brain Behavior and Immunity*, 70, 354–368. <https://doi.org/10.1016/j.bbi.2018.03.025> IF 6
10. Chu, C., Murdock, M. H., Jing, D., Won, T. H., Chung, H., Kressel, A. M., ... Artis, D. (2019). The microbiota regulate neuronal function and fear extinction learning. *Nature*, 574(7779), 543–548. <https://doi.org/10.1038/s41586-019-1644-y> IF 43
11. Reynolds, A. M., Soke, G. N., Sabourin, K. R., Hepburn, S., Katz, T., Wiggins, L. D., Levy, S. E. (2019). Sleep Problems in 2- to 5-Year-Olds With Autism Spectrum Disorder and Other Developmental Delays. *Pediatrics*, 143(3). <https://doi.org/10.1542/peds.2018-0492> IF 4
12. Hadjikhani, N., Åsberg Johnels, J., Zürcher, N., Lassalle, A., Guillon, Q., Hippolyte, L., Gillberg, C. (2017). Look me in the eyes: constraining gaze in the eye-region provokes abnormally high subcortical activation in autism. *Sci Rep*, 7(1), 3163–3163. <https://doi.org/10.1038/s41598-017-03378-5> IF 4
13. Sarah J Spence, & Mark T Schneider. (2009). The Role of Epilepsy and Epileptiform EEGs in Autism Spectrum Disorders. *Pediatric Research*, 65(6), 599–606. <https://doi.org/10.1203/PDR.0b013e31819e7168> IF 43
14. Rai, D., Culpin, I., Heuvelman, H., Magnusson, C. M. K., Carpenter, P., Jones, H. J., ... Pearson, R. M. (2018). Association of Autistic Traits With Depression From Childhood to Age 18 Years. *JAMA Psychiatry*, 75(8), 835–843. <https://doi.org/10.1001/jamapsychiatry.2018.1323> IF 16
15. Hirvikoski, T., Mittendorfer-Rutz, E., Boman, M., Larsson, H., Lichtenstein, P., & Bölte, S. (2016). Premature mortality in autism spectrum disorder. *The British Journal of Psychiatry : the Journal of Mental Science*, 208(3), 232–238. <https://doi.org/10.1192/bjp.bp.114.160192> IF 7
16. Treffert, D. A. (2009). The savant syndrome: an extraordinary condition. A synopsis: past, present, future. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences*, 364(1522), 1351–1357. <https://doi.org/10.1098/rstb.2008.0326> IF 3
17. <https://www.cdc.gov/ncbddd/autism/signs.html>
18. Chang, Y.-S., Gratiot, M., Owen, J. P., Brandes-Aitken, A., Desai, S. S., Hill, S. S., ... Mukherjee, P. (2015). White Matter Microstructure is Associated with Auditory and Tactile Processing in Children with and without Sensory Processing Disorder. *Frontiers in Neuroanatomy*, 9(2016), 169. <https://doi.org/10.3389/fnana.2015.00169> IF 3
19. <https://www.cdc.gov/mmwr/volumes/67/ss/ss6706a1.htm>
20. May, T., & Williams, K. (2018). Brief Report: Gender and Age of Diagnosis Time Trends in Children with Autism Using Australian Medicare Data. *Journal of Autism and Developmental Disorders*, 48(12), 4056–4062. <https://doi.org/10.1007/s10803-018-3609-7> IF 3

<http://www.reachenhancedcare.com/>