

Autism Health Dashboard

An OpenAutism Project

Autism Spectrum Disorder (ASD) is a range of developmental disorders that cause social, communication, and behavioral challenges or impairment along with restricted, repetitive patterns of behavior, interests, or activities.^{1,3} Affecting 1 in 59² children in the United States, ASD is usually apparent in the first 5 years of life and can persist into adolescence and adulthood, often in combination with other conditions such as epilepsy, sleep issues, depression, anxiety, and attention deficit hyperactivity disorder.^{1,3}

The cause of ASD hasn't been definitively determined,⁵ and parents, care teams, and clinicians struggle to develop, maintain, and evolve care plans for children and adults with ASD. Autism Spectrum Disorders manifest and affect different children in different ways and to varying degrees. Signs and symptoms are difficult to capture and measure, leading to multitudes of unique treatments, therapies, and management for each child's situation.

There is no standard ASD guidance,
no standard data collection,
no standard data elements, and
no national standard for diagnosis.⁷

Parents are in need of relief from the guesswork,
from the lack of clinical support,
from the chaos of daily care and treatment.

The demand is clear.
We need a common element definition,
a common care planning tool,
and a common daily dashboard for autism.

Parents and clinicians need a central location to collect data, measure outcomes, and continue to grow a knowledge-base on the condition and its treatments. Data includes health data as well as life data, such as activity, diet, mental wellness, and social development in addition to medical information. Parents and patients need a beautiful decision support service to dramatically reduce the chaos of everyday treatment of ASD.

The Autism Health Dashboard will be an integral daily, weekly, monthly, and yearly experience that drives next-generation care for ASD patients and their care team. It will beautifully display daily logs and measurements so that they will be immediately understandable and reveal insights and predictions about your child's condition, well-being, and treatment.

References

1. Centers for Disease Control and Prevention, <https://www.cdc.gov/ncbddd/autism/facts.html>
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3. World Health Organization, <https://www.who.int/news-room/fact-sheets/detail/autism-spectrum-disorder>
4. American Psychiatric Association DSM-5, https://www.psychiatry.org/File%20Library/Psychiatrists/Practice/DSM/APA_DSM-5-Autism-Spectrum-Disorder.pdf
5. NHS. <https://www.nhs.uk/conditions/autism/causes/>
6. National Institute of Mental Health <https://www.nimh.nih.gov/health/topics/autism-spectrum-disorders-asd/index.shtml>
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HEALTH PICTURE AUTISM DRAFT

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HEIRARCHY OF VIEWS

