

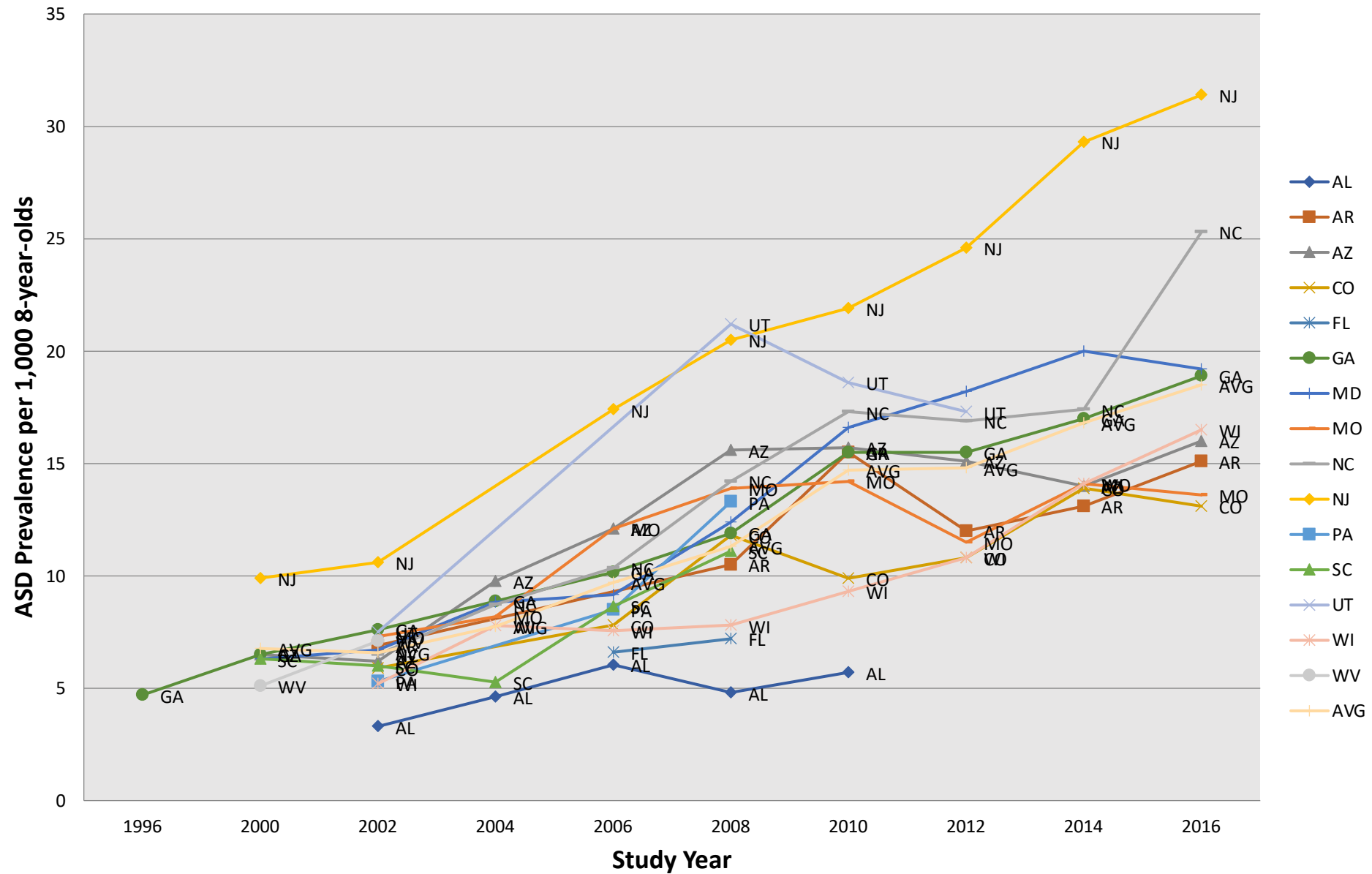


The Great Wave.....K. Hokusai (1830) Reproduced from WSJ

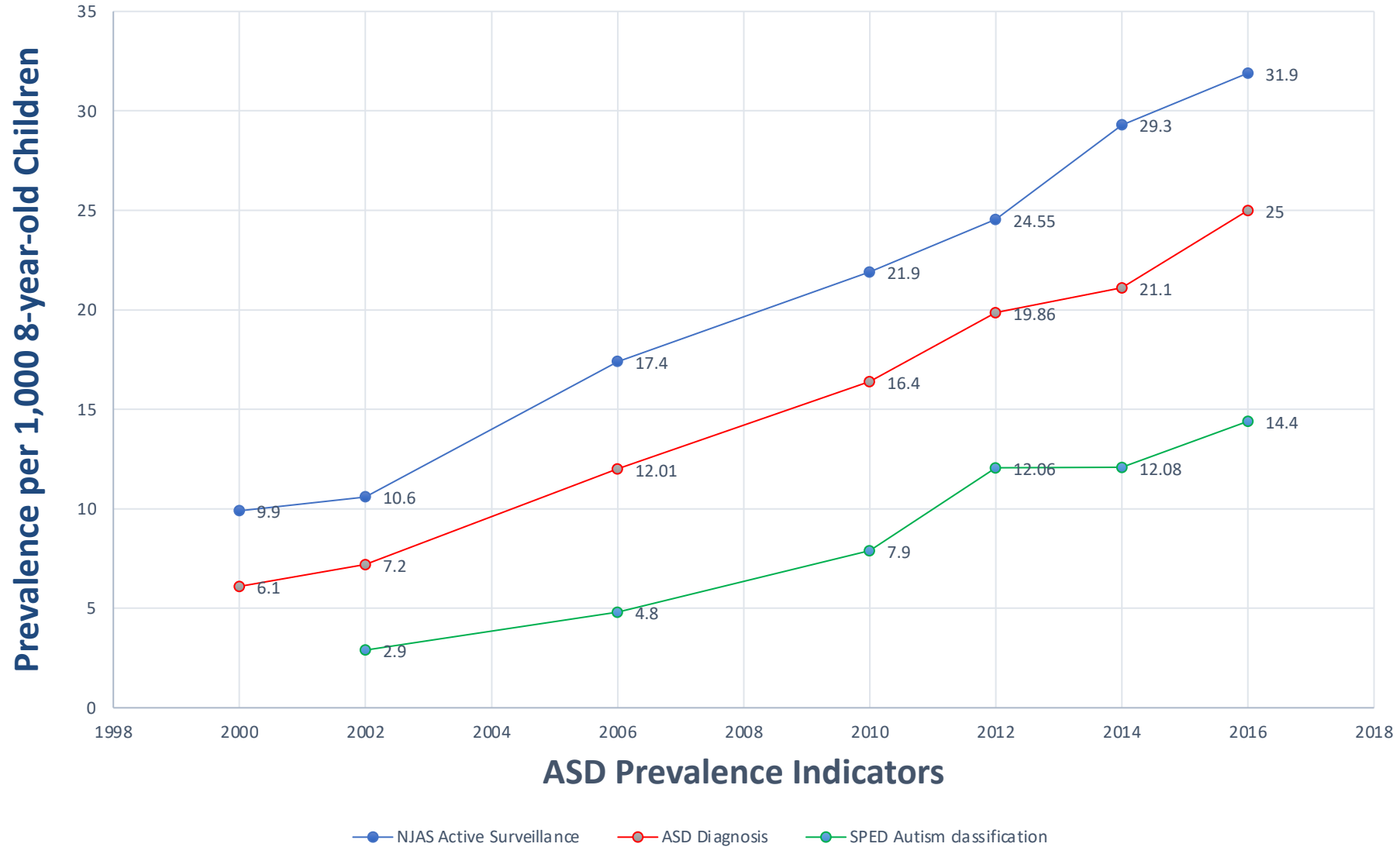
The Continuing Surge:

Autism Data and its Implications for the Future

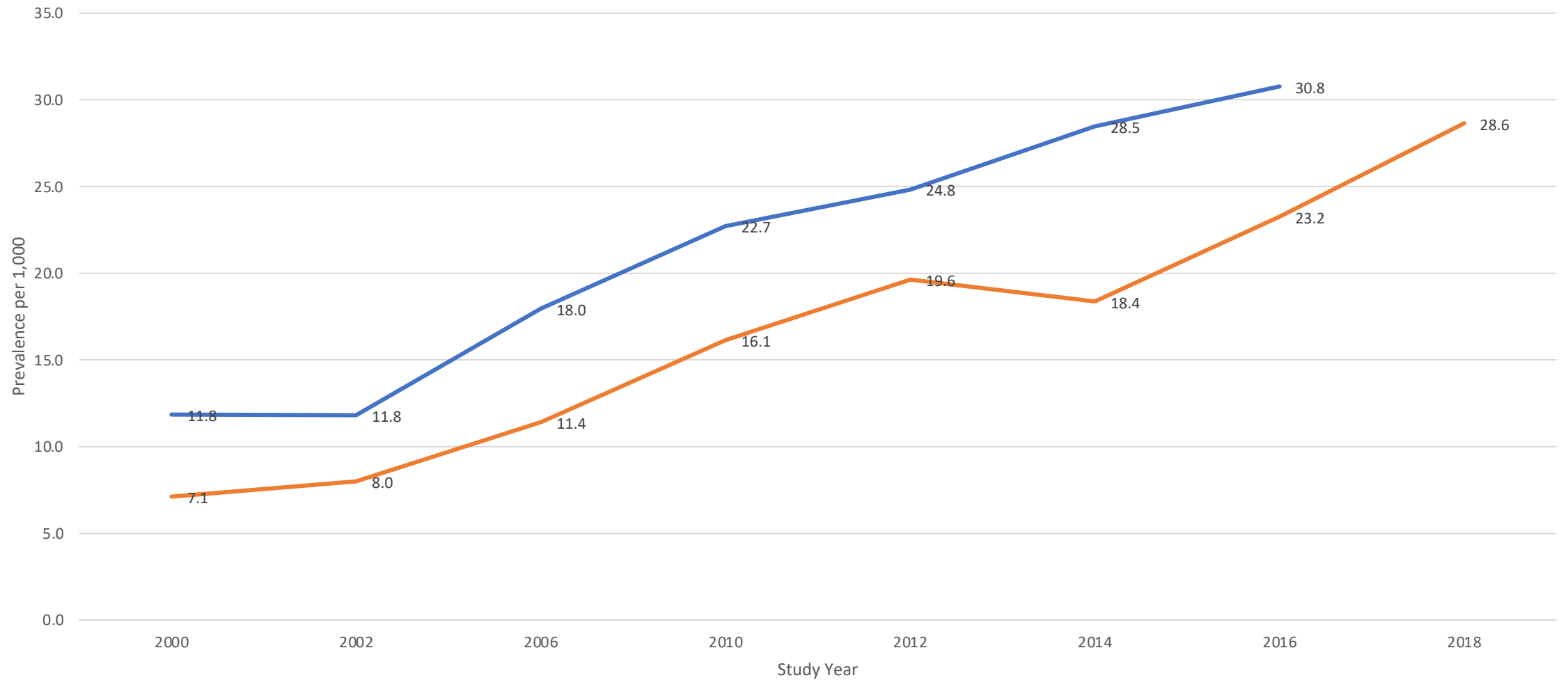
ADDM ASD Prevalence: 1996 -2016



ASD Prevalence in New Jersey by Different Indicators



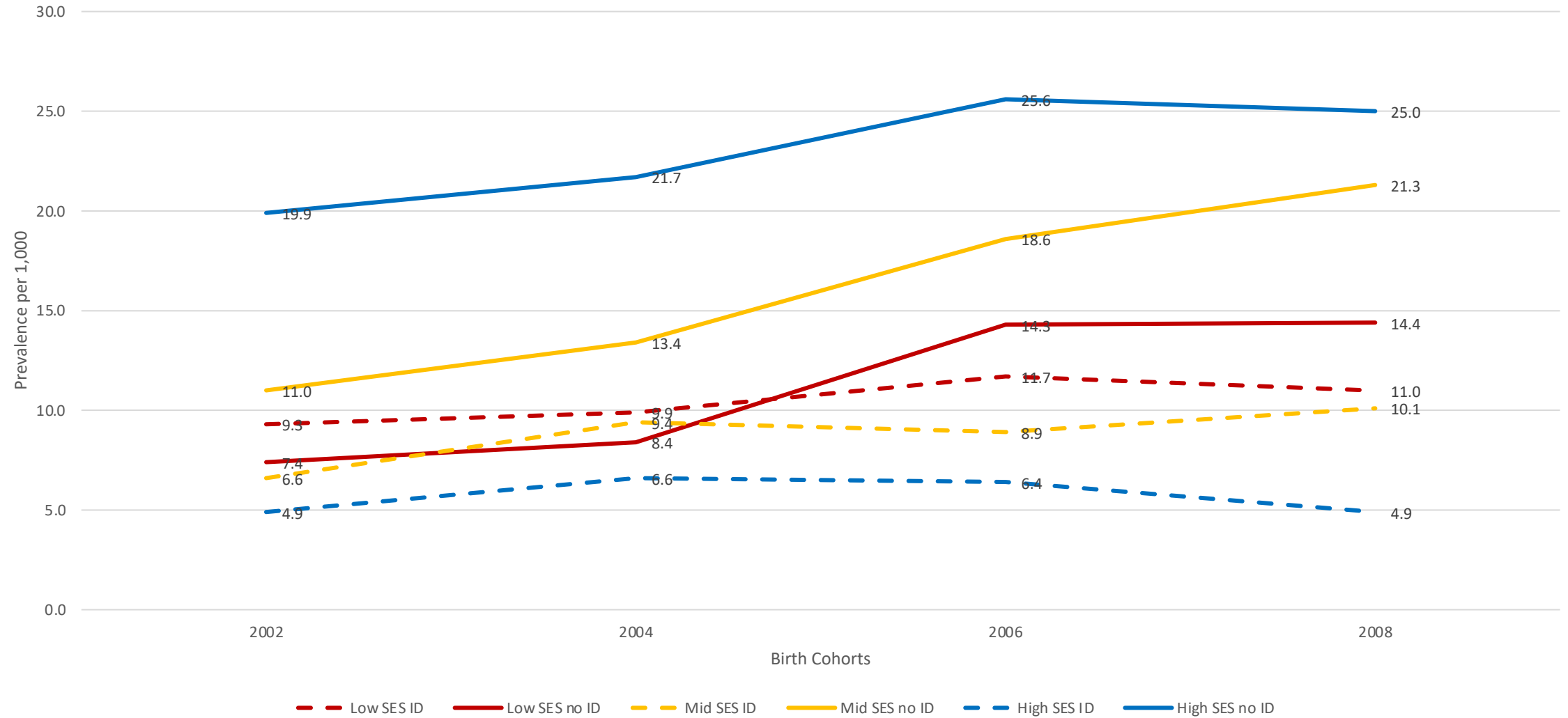
ASD Prevalence by active surveillance vs provider diagnosis: 2000-2018*



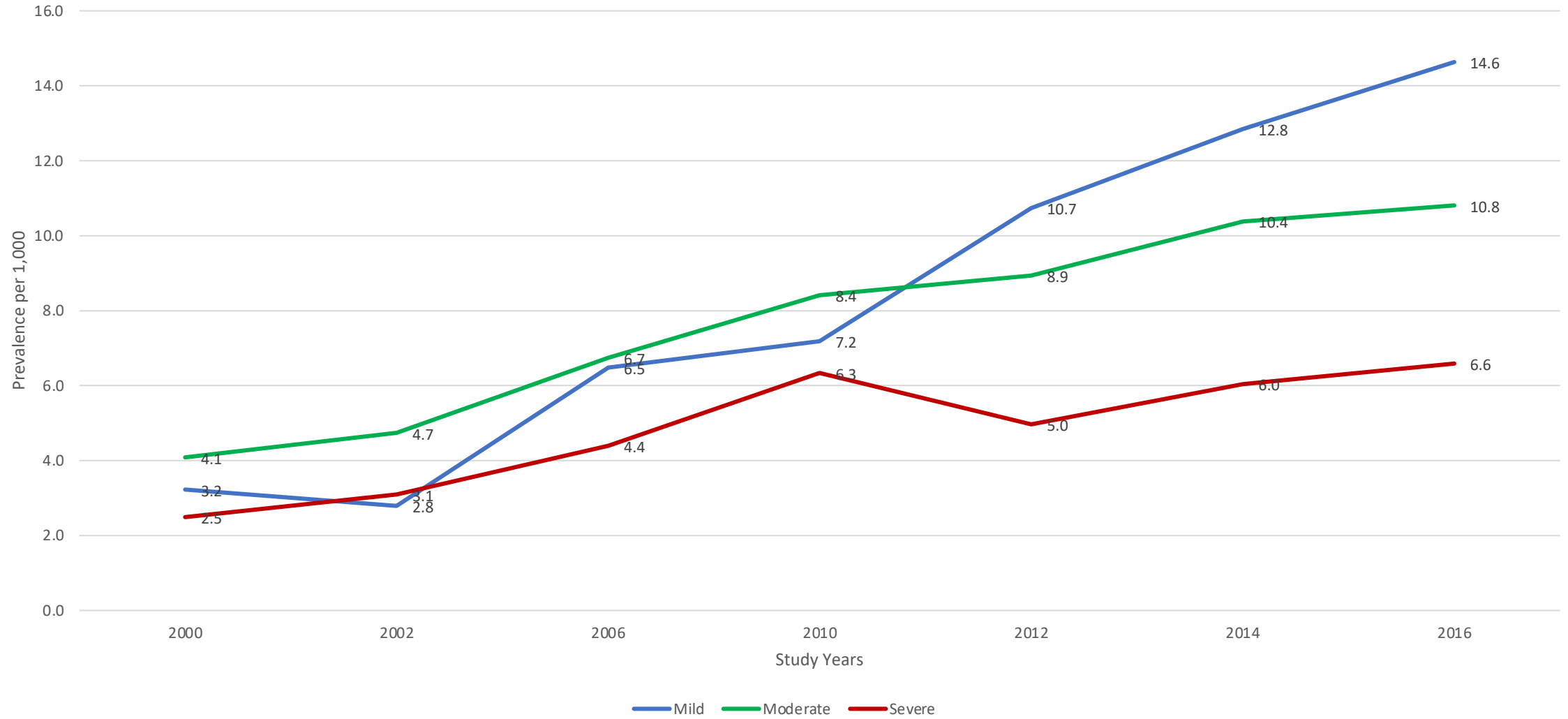
*includes Union & Essex counties

— Surveillance ASD Prevalence — ASD Diagnosis Prevalence

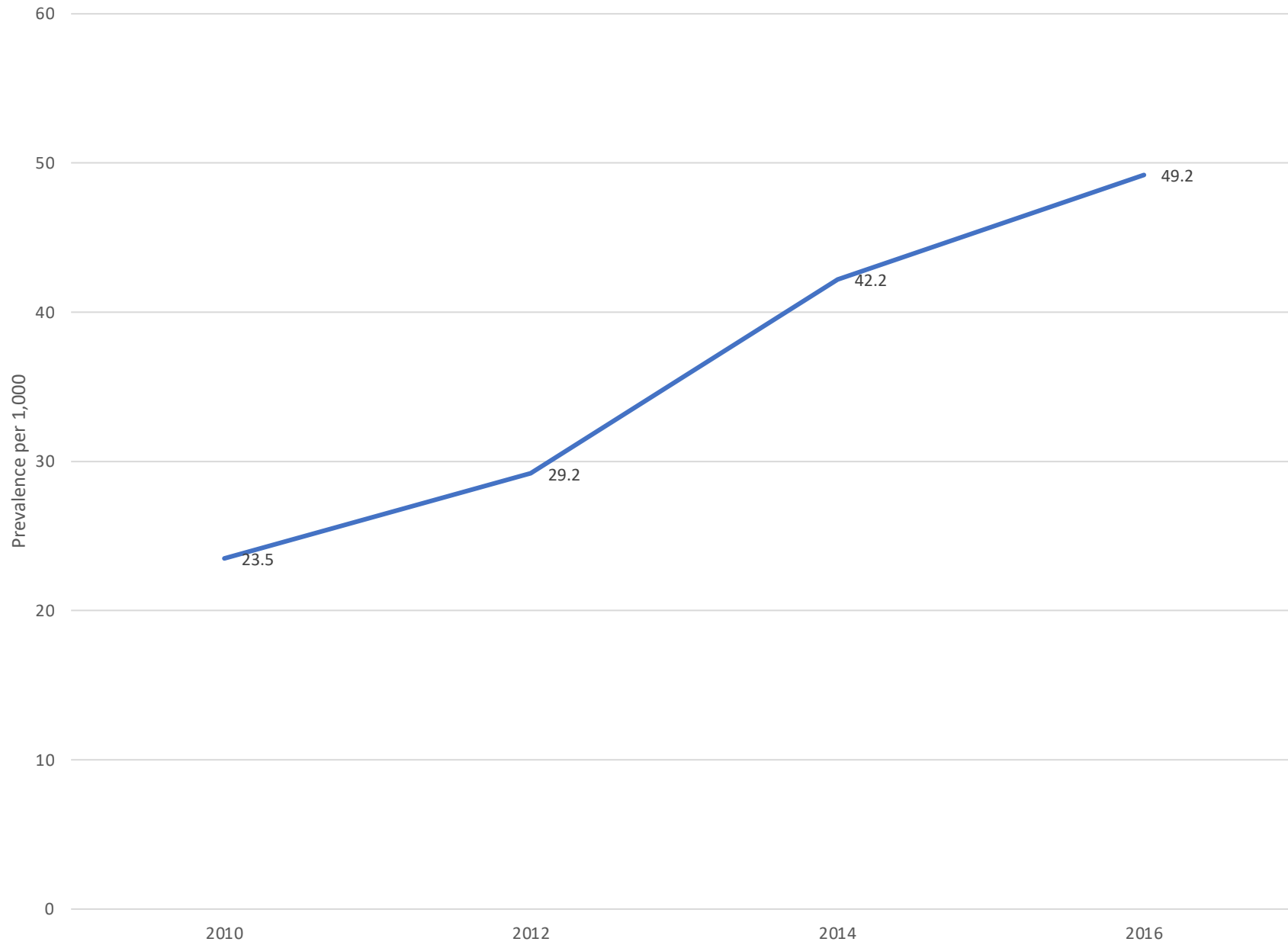
ASD Prevalence by ID Status & SES



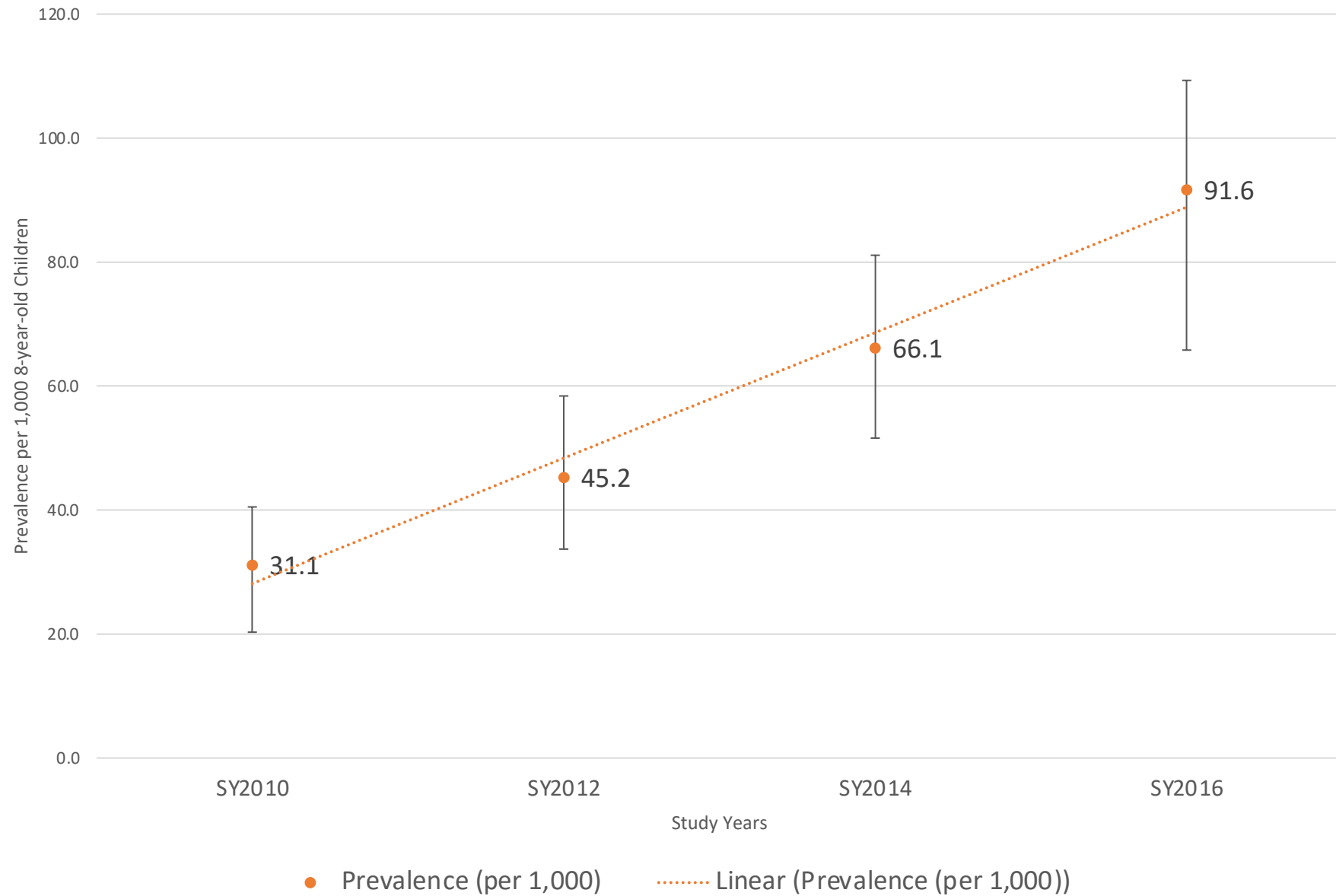
Severity of Impairment Due to ASD: 2000-2016



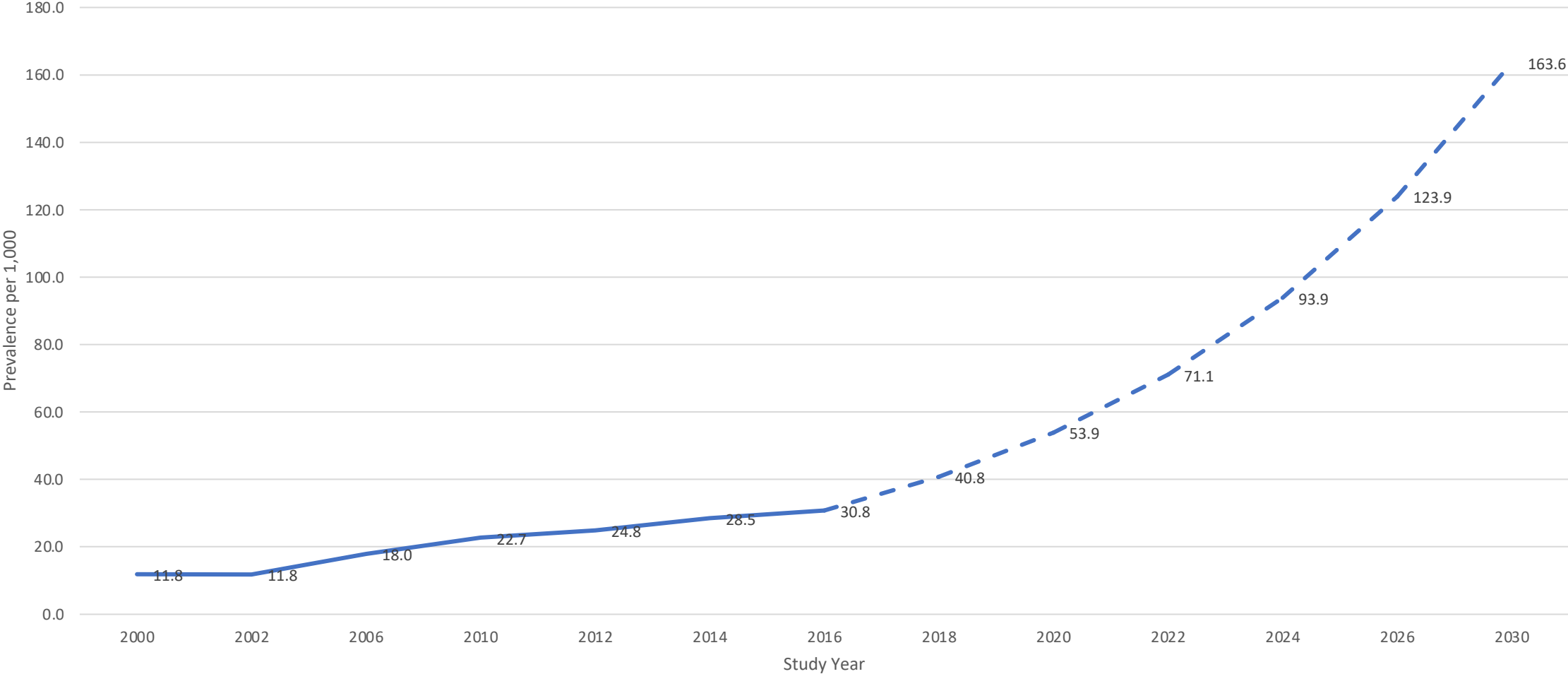
ASD Prevalence: Large Urban NJ District 2010-2016



ASD Prevalence: Large Suburban NJ District 2010-2016



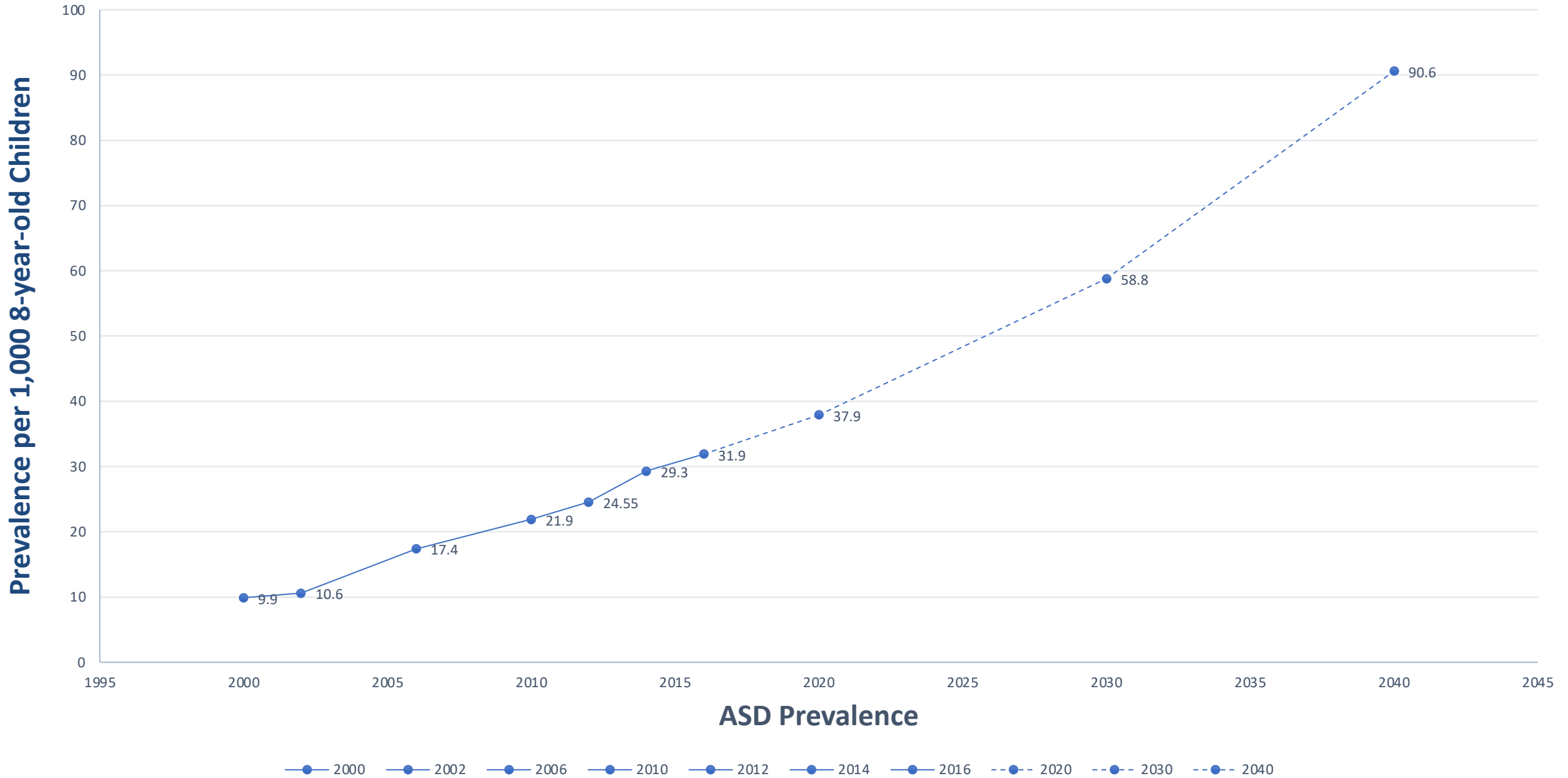
ASD Prevalence in New Jersey: 2000-2016 & Projection to 2030



Legend: 2000, 2002, 2006, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2030

Average annual increase of 16%

ASD Prevalence in New Jersey: 2000-2016 & Projection to 2040



Based on increase (9%) between 2014 and 2016

The future is already here...
it's just not very evenly distributed*

- We do not yet see the complete scope of ASD
- Narrowing of wealth & race-based disparities (a desired outcome) will lead to still-higher ASD prevalence estimates
- By 2029 -- an estimated 4 million individuals in the US with ASD
- Can society flourish when 1-in-8 boys & 1-in-32 girls have ASD?

* William Gibson

Current & future social costs

- For all ASD individuals identified from 1990-2019, the lifetime social cost for the US is estimated to be more than \$7 trillion
- As the population ages, the financial burden will shift from education to adult care & lost productivity
- Increasing social burden/costs will be mostly due to growth in overall ASD prevalence
- Assuming no increase in ASD prevalence for 2020-2029, the projected US cost estimate will increase to \$11.5 trillion in 2019 dollars
- If ASD prevalence increases at the current average rate, those costs are expected to reach nearly \$15 trillion by 2029 (Cakir, 2020)

Toward a Policy Response to the Surge

- Promote universal screening & early interventions
- Increase support to schools for ASD-related needs
- Search for modifiable (environmental) risk factors
- Plan & support for ASD across ages & time
- Strengthen resources toward parent empowerment
- Maintain & expand active ASD and DD surveillance

Thank you New Jersey Autism Study Team
.....especially Dr. Josephine Shenouda

Walter Zahorodny, PhD
Rutgers-New Jersey Medical School
Pediatrics Department
zahorodn@njms.rutgers.edu



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