

**Supplemental Table S1b: Adjusted odds ratios<sup>a</sup> (ORs) among all offspring for daily early-life<sup>b</sup> exposures to any NNS<sup>c</sup> or to aspartame specifically<sup>d</sup>**

Condition in males	n	Daily exposure	ORs	95% CI
<b>ASD: all cases</b>	344	≥1 serving/day of any NNS	1.23	0.66 to 2.31
		≥1 serving/day of aspartame	1.19	0.61 to 2.33
		≥177 mg/day of aspartame	1.39	0.68 to 2.84
<b>Non-regressive ASD</b>	266	≥1 serving/day of any NNS	1.53	0.78 to 2.99
		≥1 serving/day of aspartame	1.51	0.74 to 3.07
		≥177 mg/day of aspartame	1.77	0.83 to 3.77
<b>Autism</b>	277	≥1 serving/day of any NNS	1.38	0.73 to 2.64
		≥1 serving/day of aspartame	1.33	0.67 to 2.66
		≥177 mg/day of aspartame	1.58	0.76 to 3.26
<b>Non-regressive autism</b>	217	≥1 serving/day of any NNS	1.76	0.87 to 3.54
		≥1 serving/day of aspartame	1.68	0.80 to 3.53
		≥177 mg/day of aspartame	2.03	0.93 to 4.44

<sup>a</sup> Among all 344 offspring in the Autism Tooth Fairy Study, adjusted for mother's id; recruitment source; child's ethnicity (non-Hispanic white vs. other); year of birth; mother's education (≥4 years of college, vs. less), and household income (≥\$100,000/year vs. less).

<sup>b</sup> Early-life exposures: exposures that occurred during gestation and/or breastfeeding, through maternal diet during these times. These were calculated based on aspartame and other NNS intake during this period, retrospectively recalled by biological mothers.

<sup>c</sup> NNS: non-nutritive sweetener:

≥1 serving/day of any NNS denotes either ≥1 packet/day of any NNS, ≥1 DS/day, or ≥1 other diet drink/day. Minimum daily dosage for this category thus varies by NNS: 1 tabletop packet contains 36 mg of saccharin, 12 mg of sucralose, or 37 mg of aspartame, for example.

<sup>d</sup> For aspartame specifically:

≥1 serving/day of aspartame denotes either ≥1 packet/day of aspartame, or ≥1 aspartame-sweetened DS/day, or ≥1 other aspartame-sweetened diet drink/day. Minimum daily dosage for this category is thus 37 mg of aspartame, the dosage in 1 tabletop packet.

≥177 mg/day of aspartame denotes total daily aspartame intake, from the sum of packets + DS + other diet drinks, equivalent to 177 mg, the dosage of aspartame in 1 can of a leading diet cola sweetened only with aspartame.

Bold-highlighted results indicate statistically significantly increased exposure ORs (p<0.05).

OR: odds ratio; NNS: non-nutritive sweetener; CI: confidence interval; ASD: autism spectrum disorder