

Supplemental Table S1a: Adjusted odds ratios^a (ORs) among female offspring for daily early-life^b exposures to any NNS^c or to aspartame specifically^d

Condition in males	n	Daily exposure	ORs	95% CI
ASD: all cases	98	≥1 serving/day of any NNS	0.70	0.22 to 2.22
		≥1 serving/day of aspartame	0.44	0.11 to 1.71
		≥177 mg/day of aspartame	0.45	0.11 to 1.77
Non-regressive ASD	89	≥1 serving/day of any NNS	1.13	0.35 to 3.70
		≥1 serving/day of aspartame	0.70	0.17 to 2.80
		≥177 mg/day of aspartame	0.71	0.18 to 2.87
Autism	94	≥1 serving/day of any NNS	0.54	0.15 to 1.92
		≥1 serving/day of aspartame	0.26	0.05 to 1.25
		≥177 mg/day of aspartame	0.26	0.05 to 1.27
Non-regressive autism	85	≥1 serving/day of any NNS	0.95	0.25 to 3.57
		≥1 serving/day of aspartame	0.45	0.09 to 2.26
		≥177 mg/day of aspartame	0.45	0.09 to 2.28

^a Among 98 female 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).

^b 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.

^c 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.

^d 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.

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