

Table 1. Patient-level characteristics associated with sporadic vs. recurrent AOM				
Characteristics and exposures		Sporadic AOM	Recurrent AOM	SMD
		N = 4,932	N = 1,634	
Female sex, n (%)		2,388 (48.4%)	695 (42.5%)	0.118
Infant race/ethnicity, n (%)				0.484
	Hispanic	879 (17.8%)	144 (8.8%)	
	Non-Hispanic white	1,760 (35.7%)	947 (58.0%)	
	Non-Hispanic Black	1,623 (32.9%)	342 (20.9%)	
	Other race/ethnicity	670 (13.6%)	201 (12.3%)	
Birth season				
	Winter (December, January, February)	1,207 (24.5%)	389 (23.8%)	0.052
	Spring (March, April, May)	1,311 (26.6%)	453 (27.7%)	
	Summer (June, July, August)	1,235 (25.0%)	380 (23.3%)	
	Fall (September, October, November)	1,179 (23.9%)	412 (25.2%)	
Pre-term birth (<37 weeks completed), n (%)		497 (10.1%)	157 (9.6%)	0.016
Infant admitted to NICU, n (%)		443 (9.0%)	117 (7.2%)	0.067
Birthweight, g, mean (sd)		3256.9 (619.9)	3321.4 (626.9)	0.103
Caesarean delivery, n (%)		1,539 (31.2)	607 (37.1)	0.126
Intrapartum antibiotics, n (%)		1,672 (33.9%)	521 (31.9%)	0.043
Maternal delivery complications				
	Group B Strep-positive	812 (16.5%)	263 (16.1%)	0.010
	Fever	49 (1.0%)	13 (0.8%)	0.021
	Chorioamnionitis	297 (6.0%)	88 (5.4%)	0.027
	Gestational diabetes	551 (11.2%)	179 (11.0%)	0.007
	Tobacco use during pregnancy	288 (5.8%)	66 (4.0%)	0.083
Age at first AOM episode (days), mean (sd)		592 (379.5)	357.3 (210.7)	0.764
Infant healthcare utilization				
	Well child visits, mean (sd)	11 (2.1)	11.5 (1.8)	0.258
	Other outpatient/telehealth encounters, mean (sd)	10.8 (11.1)	17.9 (11.5)	0.627
	Any ED visits, n (%)	2,743 (55.6%)	856 (52.4%)	0.065
	Any hospitalizations, n (%)	4463 (9.4%)	132 (8.1%)	0.046
Comorbidities before the 1 st AOM				
	Atopy, n (%)	1,343 (27.2%)	322 (19.7%)	0.178
	GERD, n (%)	539 (10.9%)	220 (13.5%)	0.078