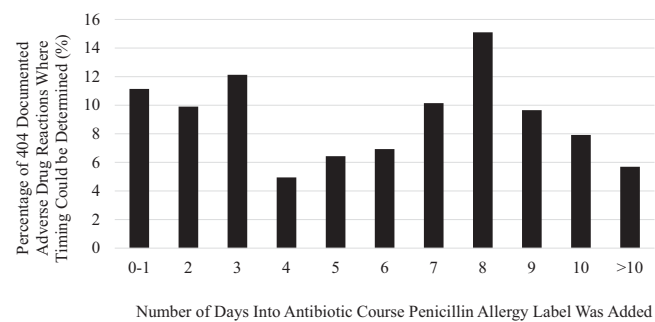


Supplemental Information



SUPPLEMENTAL FIGURE 2
Number of Days Into Antibiotic Course Penicillin Allergy Label Was Added

SUPPLEMENTAL TABLE 5 Factors Associated With Allergy Referrals From the Community

	Referred to Allergist (n = 84), n (%)	Not Referred (n = 416), n (%)	Multivariable Odds Ratio (95% CI)
Sex			
Male	49 (58.3)	220 (52.9)	Ref
Female	35 (41.7)	196 (47.1)	0.74 (0.43–1.26)
Race and ethnicity			
Non-Hispanic white	44 (52.4)	256 (61.5)	Ref
Hispanic	17 (20.2)	73 (17.6)	2.40 (1.12–5.14)
Non-Hispanic Asian	6 (7.1)	20 (4.8)	3.36 (1.08–10.52)
Non-Hispanic Black	12 (14.3)	37 (8.9)	1.64 (0.66–4.11)
Other or missing	5 (6.0)	30 (7.2)	0.94 (0.32–2.75)
Chronic condition present ^a	8 (9.5)	24 (5.8)	1.66 (0.64–4.33)
Public insurance used ^a	32 (38.1)	120 (28.9)	1.37 (0.78–2.40)
Site ^b			
A	18 (21.4)	232 (55.8)	Ref
B	66 (78.5)	184 (44.2)	5.43 (2.93–10.06)
At least 1 additional antibiotic allergy ^a	18 (21.4)	28 (6.7)	6.92 (3.25–14.72)
At least 1 nonantibiotic allergy ^a	24 (28.6)	79 (19.0)	1.92 (1.05–3.52)
Penicillin allergy label placed by physician ^a	60 (71.4)	243 (58.4)	1.40 (0.76–2.56)
Seen by PCP within 7 d of reaction ^a	63 (75.0)	266 (63.9)	1.49 (0.72–3.10)
Allergy risk classification by healthcare notes			
Severe cutaneous	4 (4.8)	26 (6.3)	Ref
Moderate or high	38 (45.2)	147 (35.3)	1.57 (0.47–5.20)
Low	28 (33.3)	129 (31.0)	1.42 (0.42–4.83)
Not allergy	1 (1.2)	47 (11.3)	0.17 (0.02–1.76)
Unable to classify	13 (15.5)	67 (16.1)	1.14 (0.29–4.46)

PCP, primary care physician.
^a Binary yes or no variables where “no” is reference for each variable.
^b Sites A and B denote the 2 organizations represented in the birth cohort.

SUPPLEMENTAL TABLE 6 Factors Associated With Penicillin Allergy Label Removal During the Study Period

	Delabeled (<i>n</i> = 69), <i>n</i> (%)	Not Delabeled (<i>n</i> = 431), <i>n</i> (%)	Multivariable Odds Ratio ^a (95% CI)
Sex			
Male	41 (59.4)	228 (52.9)	Ref
Female	28 (40.6)	203 (47.1)	0.74 (0.41–1.33)
Race and ethnicity			
Non-Hispanic white	49 (71.0)	251 (58.2)	Ref
Hispanic	11 (15.9)	79 (18.3)	0.61 (0.26–1.43)
Non-Hispanic Asian	3 (4.4)	23 (5.3)	0.56 (0.14–2.29)
Non-Hispanic Black	2 (2.9)	47 (10.9)	0.11 (0.02–0.56)
Other or missing	4 (5.8)	31 (7.2)	0.56 (0.16–1.93)
Chronic condition present ^a	6 (8.7)	26 (6.0)	2.07 (0.68–6.34)
Public insurance used ^a	19 (27.5)	133 (30.9)	0.98 (0.49–1.96)
Site ^b			
A	26 (37.7)	224 (52.0)	Ref
B	43 (62.3)	207 (48.0)	1.46 (0.75–2.82)
Allergy risk classification by healthcare notes			
Severe cutaneous	2 (2.9)	28 (6.5)	Ref
Moderate or high	19 (27.5)	166 (38.5)	1.84 (0.32–10.58)
Low	25 (36.2)	132 (30.6)	4.58 (0.78–26.72)
Not allergy	17 (24.6)	31 (7.2)	23.00 (3.69–143.03)
Unable to classify	6 (8.7)	74 (17.2)	2.53 (0.37–17.34)
Seen by allergist ^a	43 (62.3)	403 (93.5)	14.92 (6.96–31.94)

^a Binary yes or no variables where “no” is reference for each variable.

^b Sites A and B denote the 2 organizations represented in the birth cohort.

SUPPLEMENTAL TABLE 7 Allergy Risk Classification of the 69 Children Delabeled During the Study, Stratified by Location Where Delabeling Occurred

Risk Classification of Penicillin Allergy Label by Healthcare Notes	<i>n</i> (%)	<i>P</i>
Primary care clinic (<i>n</i> = 43)		
Severe cutaneous	0 (0)	<.001
Moderate or high	8 (18.6)	
Low	14 (32.6)	
Not allergy	17 (39.5)	
Unable to classify	4 (9.3)	
Allergy and immunology (<i>n</i> = 26)		
Severe cutaneous	2 (7.7)	.69
Moderate or high	11 (42.3)	
Low	11 (42.3)	
Not allergy	0 (0)	
Unable to classify	2 (7.7)	