

## Supplementary Online Content

Opel DJ, Taylor JA, Zhou C, Catz S, Myaing M, Mangione-Smith R. The relationship between Parent Attitudes About Childhood Vaccines survey scores and future child immunization status: a validation study. *JAMA Pediatrics*. Published online September 23, 2013. doi:10.1001/jamapediatrics.2013.2483.

**eTable.** Descriptive statistics and item association with immunization status for the PACV

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable. Descriptive statistics and item association with immunization status for the PACV**

Item No. <sup>a</sup>	Item	Parent Response <sup>b</sup>	Continuously Enrolled Population (n = 310)		
			No. (%)	Days Underimmunized, Mean %	P Value <sup>c</sup>
1	Have you ever delayed having your child get a shot for reasons other than illness or allergy?	Yes	74 (23.9)	20.3	<.001
		No	235 (75.8)	4.1	
		Don't know	1 (0.3)	Excluded as missing data	
2	Have you ever decided not to have your child get a shot for reasons other than illness or allergy?	Yes	24 (7.7)	44.1	<.001
		No	280 (90.3)	4.8	
		Don't know	6 (1.9)	Excluded as missing data	
3	If you had another infant today, would you want him/her to get all the recommended shots?	Yes	269 (86.8)	4.8	Reference
		No	19 (6.1)	48.9	<.001
		Don't know	22 (7.1)	11.5	.01
4	How sure are you that following the recommended shot schedule is a good idea for your child? <sup>d,e</sup>	0-5	72 (23.5)	19.9	<.001
		6-7	53 (17.3)	5.9	.40
		8-10	181 (59.2)	4.0	Reference
5	Children get more shots than are good for them. <sup>d,f</sup>	Agree	46 (15.0)	20.3	<.001
		Disagree	126 (41.0)	4.2	Reference
		Not sure	135 (44.0)	7.1	.12
6	I believe that many of the illnesses shots prevent are severe. <sup>d,f</sup>	Agree	275 (89.3)	7.4	Reference
		Disagree	8 (2.6)	26.9	.001
		Not sure	25 (8.1)	8.0	.85
7	It is better for my child to develop immunity by getting sick than to get a shot. <sup>d,f</sup>	Agree	30 (9.9)	18.4	<.001
		Disagree	206 (67.8)	4.8	Reference
		Not sure	68 (22.4)	9.7	.01
8	It is better for children to get fewer vaccines at the same time. <sup>f</sup>	Agree	132 (42.6)	13.7	<.001
		Disagree	52 (16.8)	4.4	Reference
		Not sure	126 (40.6)	3.4	.70
9	How concerned are you that your child might have a serious side effect from a shot? <sup>g</sup>	Concerned	179 (57.7)	10.3	.002
		Not concerned	119 (38.4)	4.7	Reference
		Not sure	12 (3.9)	5.4	.87
10	How concerned are you that any one of the childhood shots might not be safe? <sup>d,g</sup>	Concerned	159 (51.5)	11.8	<.001
		Not concerned	132 (42.7)	4.1	Reference
		Not sure	18 (5.8)	2.2	.62
11	How concerned are you that a shot might not prevent the disease? <sup>d,g</sup>	Concerned	78 (25.2)	11.2	.01
		Not concerned	189 (61.2)	5.8	Reference
		Not sure	42 (13.6)	11.6	.03
12	Overall, how hesitant about childhood shots would you consider yourself to be? <sup>d,h</sup>	Hesitant	94 (30.4)	16.3	<.001
		Not hesitant	200 (64.7)	4.1	Reference
		Not sure	15 (4.9)	6.9	.48
13	I trust the information I receive about shots. <sup>f</sup>	Agree	254 (81.9)	4.6	Reference
		Disagree	16 (5.2)	48.2	<.001

Item No. <sup>a</sup>	Item	Parent Response <sup>b</sup>	Continuously Enrolled Population (n = 310)		
			No. (%)	Days Underimmunized, Mean %	P Value <sup>c</sup>
		Not sure	40 (12.9)	12.8	<.001
14	I am able to openly discuss my concerns about shots with my child's doctor. <sup>d,f</sup>	Agree	290 (93.9)	7.4	Reference
		Disagree	3 (1.0)	21.3	.13
		Not sure	16 (5.2)	13.9	.03
15	All things considered, how much do you trust your child's doctor? <sup>g</sup>	0-5	9 (2.9)	17.3	.05
		6-7	38 (12.3)	14.1	.007
		8-10	263 (84.8)	6.8	Reference

Abbreviation: PACV, Parent Attitudes About Childhood Vaccines survey.

<sup>a</sup>Items 1 and 2 constitute the behavior subdomain; items 3 to 7 and 12 to 15, the general attitudes subdomain; and items 8 to 11, the safety and efficacy subdomain.

<sup>b</sup>Shaded responses are those hypothesized to reflect vaccine hesitancy.

<sup>c</sup>Calculated using linear regression of mean percentage of days underimmunized and PACV responses (nonhesitant response as the referent group).

<sup>d</sup>Indicates less than 310 respondents.

<sup>e</sup>Response category on a scale of 0 to 10, with 0 indicating "not at all sure" and 10, "completely sure."

<sup>f</sup>Agree reflects combined responses of strongly agree and agree; disagree reflects combined responses of strongly disagree and disagree.

<sup>g</sup>Concerned reflects combined responses of very and somewhat concerned; not concerned reflects combined responses of not concerned at all and not too concerned.

<sup>h</sup>Hesitant reflects combined responses of very and somewhat hesitant; not hesitant reflects combined responses of not hesitant at all and not too hesitant.

<sup>i</sup>Response category on a scale of 0 to 10, with 0 indicating "do not trust at all" and 10, "completely trust."