

Table 1. Self-reported flu vaccination coverage before and during pregnancy among women who were pregnant any time during October-January, by selected characteristics—Internet panel surveys, United States, 2015-16 and 2014-15 flu seasons

Characteristic	2015-16 flu season			2014-15 flu season			Percentage point difference in vaccination coverage
	Unweighted no.	Weighted %	Weighted % vaccinated	Unweighted no.	Weighted %	Weighted % vaccinated	
Total	1,692		49.9	1,702		50.3	-0.4
Vaccinated before pregnancy	239		14.1	265		15.3	-1.2
Vaccinated during pregnancy	605		35.8	615		35.0	0.8
Age (yrs.)							
18-24	417	28.9	49.4	436	30.5	44.1*	5.3 [†]
25-34	981	53.6	49.8	920	52.5	50.0*	-0.2
35-49 [‡]	294	17.5	51.2	346	17.0	61.9	-10.7 [†]
Race/ethnicity							
Hispanic	366	22.1	51.8	425	22.3	56.5	-4.7
Black, non-Hispanic	277	19.8	49.4	241	19.1	38.9*	10.5 [†]
White, non-Hispanic [‡]	898	50.4	49.0	887	49.9	51.9	-2.9
Other, non-Hispanic	151	7.7	52.1	149	8.6	49.8	2.3
Education							
<College degree	872	53.1	46.5*	819	50.2	42.0*	4.5
College degree	642	36.8	52.6*	666	37.7	56.6*	-3.9
>College degree [‡]	178	10.2	58.2	217	12.1	64.7	-6.6 [†]
Married							
Yes [§]	1,044	59.8	53.5	1110	62.3	54.5	-1.0
No	648	40.2	44.6*	592	37.7	43.3*	1.4
Insurance coverage							
Any public	672	41.3	46.8*	704	42.7	46.8*	0.0
Private/military only [‡]	983	56.6	53.5	940	53.7	54.6	-1.0
No insurance	37	2.1	14.9*	58	3.6	27.5*	-12.6 [†]
Working status[§]							

Characteristic	2015-16 flu season			2014-15 flu season			Percentage point difference in vaccination coverage
	Unweighted no.	Weighted %	Weighted % vaccinated	Unweighted no.	Weighted %	Weighted % vaccinated	
No	742	43.9	44.9*	760	46.2	43.1*	1.8
Yes [‡]	950	56.1	53.9	942	53.8	56.5	-2.6
Poverty status							
Below poverty	377	23.6	43.1*	362	23.3	37.4*	5.6 [†]
At or above poverty [‡]	1,312	76.4	52.0	1337	76.7	54.3	-2.3
High-risk conditions[¶]							
Yes [‡]	728	43.0	55.6	658	38.3	56.4	-0.8
No	964	57.0	45.7*	1044	61.7	46.5*	-0.8
no visit	10	0.6	— ^{§§}	18	1.1	— ^{§§}	
1-5 visits	326	19.6	39.5*	399	23.7	37.4*	2.1
6-10 visits	706	41.5	50.0*	657	38.1	55.1	-5.0 [†]
>10 visits [‡]	650	38.3	55.7	628	37.1	54.8	0.9
Recommended, offered	1,133	67.6	63.4*	1107	64.9	67.9*	-4.4
Recommended, no offer	218	12.5	37.5*	246	14.8	33.5*	4.0
No recommendation [‡]	331	19.9	12.8	331	20.3	8.5	4.3
Negative	379	22.1	8.0*	400	24.2	12.2*	-4.2
Positive [‡]	1,313	77.9	61.8	1302	75.8	62.4	-0.6
Negative	427	25.4	12.2*	424	26.0	12.6*	-0.4
Positive [‡]	1,265	74.6	62.8	1278	74.0	63.5	-0.7
Not concerned	633	37.1	43.0*	557	32.7	38.4*	4.6
Concerned [‡]	1,059	62.9	54.0	1145	67.3	56.0	-2.0

* ≥5 percentage point difference compared with reference group.

† ≥5 percentage point difference from 2014–15 to 2015–16.

‡ Reference group for comparisons within subgroups.

§ Working = those employed for wages and self-employed; “not working”= those out of work, homemakers, students, retired, or unable to work.

|| As determined by the U.S. Census Bureau (<http://www.census.gov/hhes/www/poverty/data/threshld>), e.g.: for the 2015–16 season below poverty = total family income of <\$24,036 for a family of four with two minors as of 2015; for the 2014–15 season below poverty = total annual family income of <\$24,008 for a family of four with two minors as of 2014.

¶ Conditions associated with increased risk for serious medical complications from flu, including chronic asthma, a lung condition other than asthma, a heart condition, diabetes, a kidney condition, a liver condition, obesity, or a weakened immune system caused by a chronic illness or by medicines taken for a chronic illness.

§§ Vaccination coverage estimates were not reliable because sample size was <30.

** Excluding women who did not visit a provider since July (n=10 for the 2015-16 season and n=18 for the 2014-15 flu season).

†† Created based on two questions regarding attitudes toward the effectiveness of flu vaccination: 1) “Flu vaccine is somewhat/very effective in preventing flu,” and 2) “Flu vaccine a pregnant women received is somewhat/very effective in protecting her baby from the flu.” A 1-point score was given for each “yes” answer for either of the two questions. “Positive” attitude = summary score of 1 or 2; “negative” attitude = summary score of 0.

‡‡ Created based on three questions regarding attitudes toward the safety of flu vaccination: 1) “Flu vaccination is somewhat/very/completely safe for most adult women”; 2) “Flu vaccination is somewhat/very/completely safe for pregnant women”; and 3) “Flu vaccination that a pregnant woman receives is somewhat/very/completely safe for her baby.” 1 point was given for each “yes” answer for any of the 3 questions. “Positive attitude” = summary score of 2 or 3; “negative attitude” = summary score of 0 or 1.

§§ Created based on three questions regarding attitude toward flu: 1) “If a pregnant woman gets the flu, it is somewhat/very likely to harm the baby”; 2) “Flu infection during pregnancy somewhat/very likely harms pregnant women”; and 3) “somewhat/very worried about getting sick with the flu this season .” 1 point was given for each “yes” answer for any of the 3 questions. “Concerned” = summary score of 2 or 3; “Not concerned” = summary score of 1 or 0.