



Human Papillomavirus (HPV) Vaccination Report: United States

Working Together to Reach National Goals for HPV Vaccination

May 2016

To achieve improvements in HPV vaccination coverage, professional organizations including the American Academy of Pediatrics, the American Academy of Family Physicians, and others, have endorsed the CDC quality improvement initiative known as AFIX (Assessment, Feedback, Incentives, and eXchange). See page 2 for more information on AFIX and how it can be implemented with clinicians in your jurisdiction.

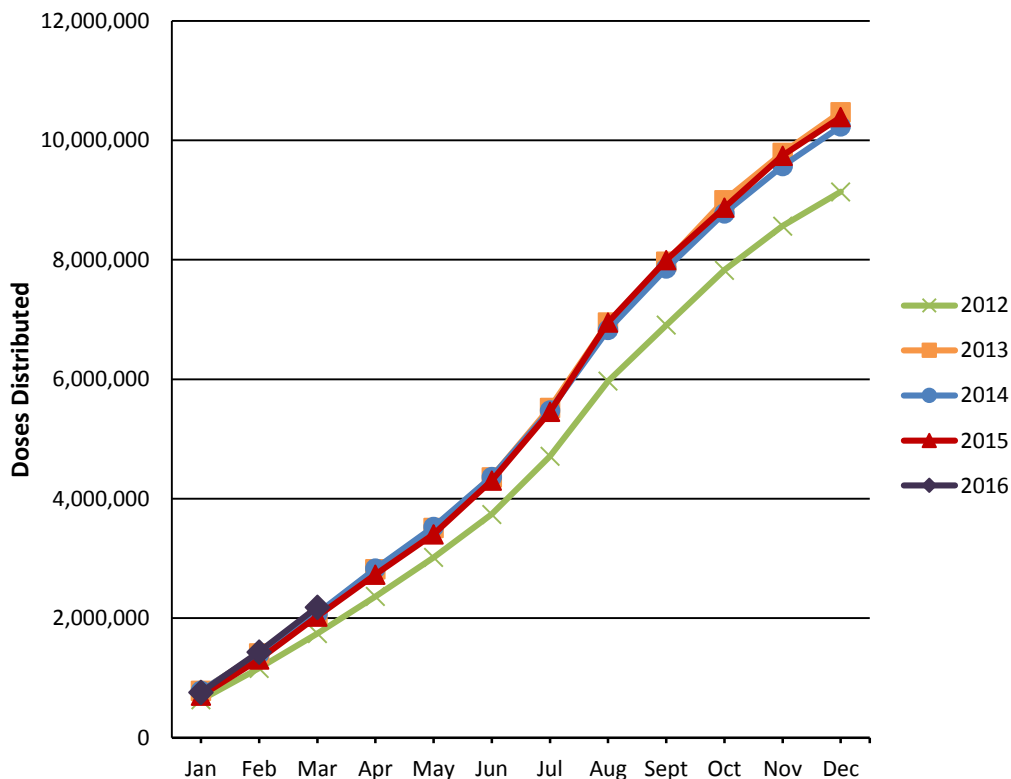


2016 HPV Vaccine Distribution Trends in the United States



Several changes have been made to the summary of HPV Vaccine Distribution Trends. This report, as well as future reports, presents all CDC and non-CDC distributed HPV vaccine doses of Gardasil and Gardasil 9, in order to have a more comprehensive picture of vaccine distribution trends. CDC recommends examining vaccine distribution data for trends to approximate recent HPV vaccine administration, as distribution data can inform action in real time to increase vaccination.

Year-to-date Total of Distributed[†] Gardasil and Gardasil 9 HPV Vaccine Doses in the United States (2012-2016)



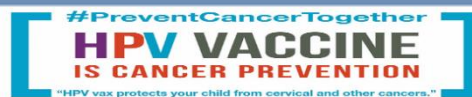
Year-to-Date Total of Distributed[†] Gardasil and Gardasil 9 HPV Vaccine Doses, US (2015-2016)

	2015	2016	% change
Jan	704,540	758,591	7.7%
Feb	1,309,896	1,435,056	9.6%
Mar	2,028,793	2,184,949	7.7%
Apr	2,730,981		
May	3,405,341		
Jun	4,302,453		
Jul	5,455,515		
Aug	6,954,029		
Sept	7,997,691		
Oct	8,873,834		
Nov	9,744,100		
Dec	10,389,014		

[†]These data represent an estimate of all Gardasil and Gardasil 9 HPV vaccine doses distributed in the United States.

Note: Cervarix doses, which represent less than 1% of the HPV vaccine doses distributed in the United States, are not included in this report.

Have questions? Contact us at preteenvaccines@cdc.gov.





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What is AFIX?

AFIX is a quality improvement program that can be used to help raise immunization coverage levels, reduce missed opportunities to vaccinate, and improve standards of practices at the clinician level. AFIX is made up of four parts: Assessment, Feedback, Incentives, and eXchange.

- **(A)ssessment:** a standardized method for collecting and analyzing quantitative and qualitative data regarding clinicians' practice patterns and how knowledge, attitudes, and behaviors impact vaccination services, vaccination coverage rates among patients, and vaccination record management. Assessment provides the opportunity to understand practices regarding vaccinations that may affect the vaccination coverage level achieved by the clinician.
- **(F)eedback:** informs clinician staff about assessment results while encouraging discussion around ways to improve the immunization delivery system. Feedback results in the development of a Quality Improvement Action Plan with **S.M.A.R.T.** (Specific, Measurable, Achievable, Realistic, and Time-bound) objectives.
- **(I)ncentives:** used to motivate clinician staff to develop more effective immunization delivery systems and ultimately improve immunization coverage levels. Incentives are used in combination with immunization educational aspects covered during Feedback.
- **e(X)change:** is a component of the AFIX process aimed at following up with clinicians to monitor and support progress toward implementing the quality improvement (QI) strategies discussed during the Feedback session. The eXchange, or follow-up, process not only ensures continuous QI, but also ensures that clinicians have the necessary resources and information to improve the quality of their immunization services.

Getting Involved

- Set a goal to increase the number of adolescent AFIX visits. For example, strive to increase visits by a certain percentage that is attainable by your program.
- Ensure a clinician-level decision maker from each practice attends both the Feedback and eXchange sessions.
- Set a goal to increase clinician coverage rates for HPV vaccination from initial to follow-up assessments.
- Identify clinicians who will act as HPV vaccination champions and engage them to provide clinician-to-clinician education during AFIX conversations. This education can include information about HPV disease and cancer, vaccination safety and effectiveness, effective HPV vaccination recommendations, and suggestions regarding feasible quality improvement initiatives.

Resources and Materials

- For **more information on AFIX**, visit: <http://www.cdc.gov/vaccines/programs/afix/index.html>
- Find **city or state AFIX contacts** to ask AFIX questions. These contacts are available online: <http://www.cdc.gov/vaccines/programs/afix/contacts/index.html>
- Suggestions to **improve immunization services** in practices can be found at: <http://www.immunize.org/catg.d/p2045.pdf>
- **"You Are the Key to Cancer Prevention"** is available as a web-on-demand video and is **available for CE:** <http://www.cdc.gov/vaccines/ed/hpv/default.htm>

Visit CDC's HPV web portal for more resources and materials: www.cdc.gov/hpv