



Human Papillomavirus (HPV) Vaccination Report: Pennsylvania

Working Together to Reach National Goals for HPV Vaccination

Report 4: July 2015

Nationally, HPV vaccination coverage continues to fall behind other adolescent vaccination coverage estimates and remains below Healthy People 2020 targets of 80% coverage. These quarterly reports highlight data and strategies to continue to facilitate collaboration to increase HPV vaccination coverage. Your state immunization program may also have other data and information about strategies already being implemented to increase HPV vaccination coverage in Pennsylvania.

Estimates of Teen Vaccination Coverage Nationwide and in Pennsylvania: 2013 and 2014

The current report focuses on **the 2014 National Immunization Survey-Teen (NIS-Teen) vaccination coverage estimates**. To assess vaccination coverage among teens aged 13–17 years, CDC analyzed the 2014 NIS-Teen survey data collected via telephone interviews and provider questionnaires. Revised 2013 NIS-Teen estimates were also calculated to account for an NIS-Teen methodological change and are presented below to provide an appropriate comparison from 2013 to 2014.

To read the full *Morbidity and Mortality Weekly Report* article about the 2014 NIS-Teen analysis, please visit: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6429a3.htm?s_cid=mm6429a3_w

NIS-Teen Methods Change:

NIS-Teen estimates are based on provider-reported vaccination history among teens with adequate provider data (APD). In 2014, a revised APD definition was implemented and expanded inclusion in the NIS-Teen sample. This change may result in lower vaccination coverage estimates, and coverage estimates using the revised APD definition may not be directly comparable to those previously published. More information can be found here: <http://www.cdc.gov/vaccines/imz-managers/coverage/nis/teen/apd-report.html>

Estimated National and State/Local Vaccination Coverage, Teens Aged 13-17 Years, NIS-Teen 2013 (revised)* and 2014

| | ≥1 Tdap | ≥1 MenACWY | HPV | | | | | |
|----------------------|---------|------------|---------|----------|----------|---------|----------|----------|
| | | | Females | | | Males | | |
| | | | ≥1 dose | ≥2 doses | ≥3 doses | ≥1 dose | ≥2 doses | ≥3 doses |
| Pennsylvania | | | | | | | | |
| 2013* | 89.8% | 90.1% | 59.3% | 53.7% | 46.2% | 43.2% | 27.2% | 15.9% |
| 2014 | 93.0% | 95.2%** | 66.8% | 57.9% | 48.2% | 47.4% | 35.9% | 26.0%** |
| United States | | | | | | | | |
| 2013* | 84.7% | 76.6% | 56.7% | 46.9% | 36.8% | 33.6% | 22.6% | 13.4% |
| 2014 | 87.6%** | 79.3%** | 60.0%** | 50.3%** | 39.7%** | 41.7%** | 31.4%** | 21.6%** |

CDC. National, Regional, State, and Selected Local Area Vaccination Coverage among Adolescents Aged 13-17 Years: United States, 2014. *Morbidity and Mortality Weekly Report (MMWR)*. July 31, 2015.

*For the purposes of comparability to 2014 estimates, 2013 estimates were revised by retrospectively applying the revised 2014 adequate provider data definition to 2013 NIS-Teen data, and as a result, differ from those previously published.

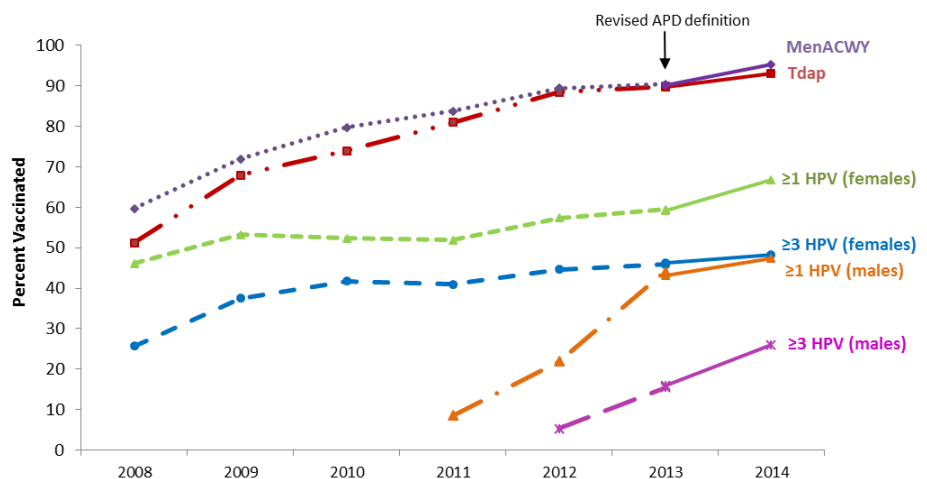
**Statistically significant (p<0.05) increase from revised 2013 estimates.

2014 NIS-Teen HPV Data Summary: Pennsylvania

Compared to revised estimates for 2013, HPV vaccination coverage in Pennsylvania:

- Significantly increased from 2013 to 2014 in ≥3 dose coverage for males.
- Did not change from 2013 to 2013 for females or ≥1 or ≥2 dose coverage for males. There were non-significant increases in ≥1, ≥2, and ≥3 dose coverage for females and ≥1 and ≥2 dose coverage for males.

Estimated Vaccination Coverage, Teens Aged 13-17 Years, NIS-Teen 2008-2014, Pennsylvania



NIS-Teen estimates from 2008-2013 connected with dashed lines are previously published estimates using the previous APD definition. NIS-Teen estimates from 2013-2014 connected with solid lines use the revised APD definition. For complete footnotes, consult the MMWR article linked above.

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





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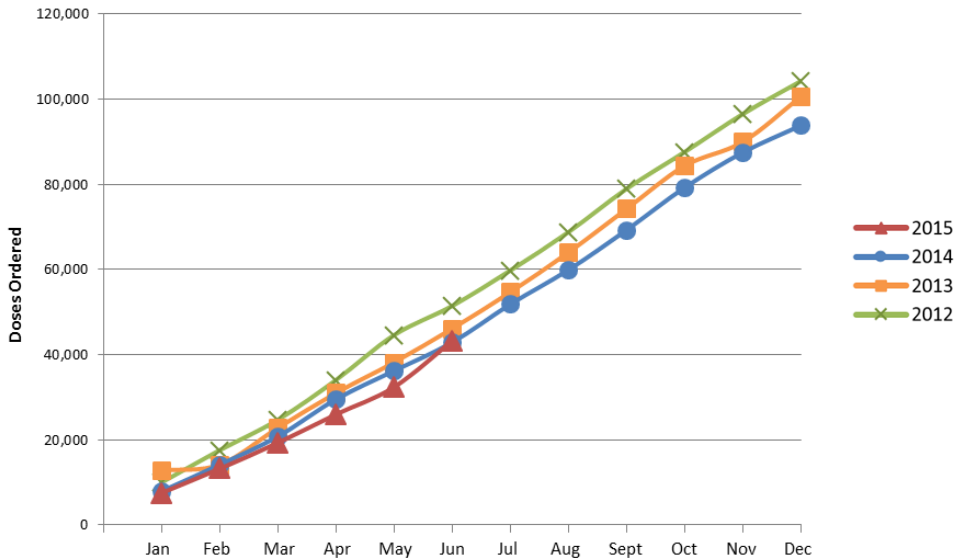
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2015 HPV Vaccine Ordering Trends in Pennsylvania

CDC recommends examining vaccine ordering data for trends to approximate recent HPV vaccination uptake, as ordering data can inform action in real time. Reviewing ordering data at the health system or clinic level can help target outreach activities to clinicians or facilities with inconsistent or lower ordering patterns.

Cumulative Year-to-date Total of Publicly[‡] Ordered HPV Vaccination Doses in PA (2012-2015)[§]



Cumulative Year-to-date Total of Publicly[‡] Ordered HPV Vaccination Doses, PA (2014-2015)[§]

| | 2014 | 2015 | % change |
|------|--------|--------|----------|
| Jan | 7,970 | 7,560 | -5.1% |
| Feb | 14,170 | 13,250 | -6.5% |
| Mar | 20,820 | 19,330 | -7.2% |
| Apr | 29,550 | 26,000 | -12.0% |
| May | 36,240 | 32,410 | -10.6% |
| Jun | 42,910 | 43,320 | 1.0% |
| Jul | 51,870 | | |
| Aug | 59,930 | | |
| Sept | 69,290 | | |
| Oct | 79,260 | | |
| Nov | 87,500 | | |
| Dec | 93,830 | | |

CDC. Vaccine Tracking System (VTrckS). July 2015.
[‡]Defined as orders for publicly funded vaccine (i.e. Vaccines for Children, 317, state/local, or CHIP doses).
[§]Excludes Philadelphia.

New HPV Vaccination Resources

Continuing education opportunities:

- CDC's *MMWR* article contains the complete 2014 NIS-Teen survey results: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6429a3.htm?s_cid=mm6429a3_w
- CDC's You Call the Shots HPV module is now updated: <http://www2a.cdc.gov/nip/isd/ycts/mod1/courses/hpv/ce.asp>

Additional communications and educational resources:

- Three archived #PreteenVaxScene webinars are available online:
 - "HPV Vaccine Recommendation Update": <https://youtu.be/LDvauWcDVhE>
 - "CDC's Clinician Engagement Initiative": <https://youtu.be/C1vEnHXQWbg>
 - "ACIP Meeting Update and Opportunities for Summer HPV Vaccination": <https://www.youtube.com/watch?v=aa2IBIZjuYw>
- A school nurse back-to-school vaccines letter is available at: <http://www.cdc.gov/vaccines/who/teens/for-partners/index.html>
- The National Immunization Awareness Month (NIAM) toolkit contains preteen & teen communications resources and can be found at: <https://www.nphic.org/niam-preteensteens>
- The 13th edition of the Pink Book chapter on HPV vaccination is available at: <http://www.cdc.gov/vaccines/pubs/pinkbook/downloads/hpv.pdf>

Additional guidance on 9-valent HPV vaccination:

- CDC expert Dr. Lauri Markowitz answers common questions about 9-valent HPV vaccination: <http://www.medscape.com/viewarticle/846509>
- A clinician-specific resource sheet provides additional guidance for use of 9-valent HPV vaccination: <http://www.cdc.gov/vaccines/who/teens/downloads/9vHPV-guidance.pdf>

Visit the clinician-specific web portal for more resources & materials: www.cdc.gov/vaccines/YouAreTheKey

You are the key to cancer prevention!

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

