State Profile: Missouri

HPV vaccination is recommended for routine vaccination at age 11 or 12 years and may be started at age 9. Adults age 27 to 45 should talk to their doctors to see if HPV vaccination is recommended for them.

HPV VACCINATION RATES FOR 13–17 YEAR-OLDS AS OF 2022:

- **U.S. OVERALL ≥1 HPV**: 76%
- **MISSOURI ≥1 HPV**: 74%
- **U.S. OVERALL HPV UTD**: 63%
- **MISSOURI HPV UTD**: 60%

Missouri has increased HPV vaccination coverage of ≥1 dose by 22% and up-to-date (UTD) by 24% since 2016. However, coverage remains lower than the U.S. average and below the Healthy People 2030 goal of 80% UTD. Compared to meningitis and whooping cough (Tdap) vaccines routinely recommended for adolescents, HPV vaccination coverage lags. Missouri vaccination rates among 13–17 year olds were 90% for meningitis vaccine and 90% for Tdap vaccine in 2022.

HPV vaccination data sources: CDC NIS-TEEN, 2022; TeenVax View, 2022
HPV VACCINATION RATES FOR 13-17 YEAR-OLDS AS OF 2022:

HPV Vaccination by Race/Ethnicity

- Black, non-Hispanic: 84%
- Hispanic: 68%
- Other: 67%
- White, non-Hispanic: 69%

HPV Vaccination by Insurance Coverage

- Medicaid: 71%
- Private: 71%
- Other: 63%
- Uninsured: 54%

HPV Vaccination by Urbanicity

- MSA Principal City: 79%
- MSA Non-Principal City: 73%
- Non-MSA: 55%

HPV Vaccination by Sex

- Boys: 68%
- Girls: 80%

Healthy People 2030

- ≥1 HPV Vaccination
- HPV Vaccination Up-to-date

HPV vaccination data sources: CDC NIS-TEEN, 2022; TeenVax View, 2022
State Profile: Missouri

HPV CANCERS:
HPV is a common virus linked to six types of cancer. The two most common HPV-associated cancers are oropharyngeal and cervical cancers. **Incidence rates of HPV cancers overall and for oropharyngeal and cervical cancers are higher in Missouri compared to the U.S. averages.**

<table>
<thead>
<tr>
<th></th>
<th>All HPV Cancers</th>
<th>Oropharyngeal Cancer</th>
<th>Cervical Cancer</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Overall</td>
<td>11.8</td>
<td>5.0</td>
<td>6.5</td>
</tr>
<tr>
<td>Missouri Overall</td>
<td>14.3</td>
<td>6.6</td>
<td>7.2</td>
</tr>
<tr>
<td>United States</td>
<td>Male: 10.8, Female: 12.9</td>
<td>Male: 8.8, Female: 1.6</td>
<td>Missouri ranks in the Top 15 Nationally in cervical cancer incidence rates.</td>
</tr>
<tr>
<td>Missouri</td>
<td>Male: 14.0, Female: 14.8</td>
<td>Male: 11.8, Female: 2.0</td>
<td></td>
</tr>
</tbody>
</table>

Incidence rates shown are cases per 100,000 persons.

ACTION STEPS:
Identify and engage key stakeholders in HPV vaccination efforts through vaccination and cancer prevention stakeholders in Missouri to develop, implement, and evaluate an action plan for increasing HPV vaccination coverage:

- Encourage starting HPV vaccination at age 9 to increase series completion by age 13.
- Educate providers on the latest HPV research findings and encourage them to discuss with their patients.
- Improve capacity among health care providers (including oral health providers) to recommend and/or administer HPV vaccines.
- Increase the number of Vaccines for Children program providers.
- Promote HPV vaccination as cancer prevention among parents of adolescents.
- Identify strategies to improve HPV vaccination coverage for adolescents living in rural areas.

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