Healthy Iowans 2017-2021
Iowa’s Health Improvement Plan

Acute Disease
REVISED August 2019

Coordinated by the
Bureau of Public Health Performance
Iowa Department of Public Health
FOCUS AREA: Acute Disease

What Health Issues Are Included
Adolescent Immunizations
Flu Immunizations

Acute Disease Measures of Health Improvement

<table>
<thead>
<tr>
<th>AD-1</th>
<th>Increase ↑ the percentage of adolescents ages 13 to 17 Up-To-Date on HPV vaccinations.*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Overall</td>
</tr>
<tr>
<td></td>
<td>Target: 48%</td>
</tr>
<tr>
<td></td>
<td>Newest: 54% [2017]=18%↑ increase</td>
</tr>
</tbody>
</table>

Data Source: Centers for Disease Control and Prevention (CDC), National Immunization Survey-Teen (NIS-Teen) via TeenVaxView Interactive. [https://www.cdc.gov/vaccines/imz-managers/coverage/teenvaxview/data-reports/hpv/index.html](https://www.cdc.gov/vaccines/imz-managers/coverage/teenvaxview/data-reports/hpv/index.html)

*Completion of the HPV vaccine series (2-doses separated by 5 months (minus 4 days) for immunocompetent adolescents initiating the HPV vaccine series before their 15th birthday and 3 doses for all others).

<table>
<thead>
<tr>
<th>AD-2</th>
<th>Increase ↑ the percentage of adolescents ages 13 to 17 getting meningitis (meningococcal) vaccinations.*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Overall</td>
</tr>
<tr>
<td></td>
<td>Target: 79%</td>
</tr>
<tr>
<td></td>
<td>Baseline: 75% [2016]</td>
</tr>
<tr>
<td></td>
<td>Newest: 84% [2017]=12%↑ increase</td>
</tr>
</tbody>
</table>


*≥1 dose of Meningococcal conjugate vaccine (MenACWY).

<table>
<thead>
<tr>
<th>AD-3</th>
<th>Increase ↑ the percentage of adults getting flu vaccinations.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ages 18-64 ☑</td>
</tr>
<tr>
<td></td>
<td>Target: 44%</td>
</tr>
<tr>
<td></td>
<td>Baseline: 41% [2016]</td>
</tr>
<tr>
<td></td>
<td>Newest: 40% [2017]=3%↓ decrease</td>
</tr>
<tr>
<td></td>
<td>Hispanic ages 18-64 ☑</td>
</tr>
<tr>
<td></td>
<td>Target: 38%</td>
</tr>
<tr>
<td></td>
<td>Baseline: 36% [2016]</td>
</tr>
<tr>
<td></td>
<td>Newest: 45% [2017]=25%↑ increase</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Ages 65+ ☑</th>
<th>Target: 71%</th>
<th>Baseline: 67% [2016]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Newest: 66% [2017]=1%↓ decrease</td>
<td></td>
</tr>
</tbody>
</table>

Data Source: CDC, National Center for Chronic Disease Prevention and Health Promotion, Division of Population Health. BRFSS Prevalence & Trends Data. [https://www.cdc.gov/brfss/brfssprevalence](https://www.cdc.gov/brfss/brfssprevalence)
## Iowa Counties with Local Strategies

Buchanan, Calhoun, Delaware, Dickinson, Greene, Henry, Humboldt, Iowa, Osceola, Pottawattamie, Poweshiek, Webster

These community health improvement plans are available on the Iowa Department of Public Health, Community Health Needs Assessment and Health Improvement Planning (CHNA&HIP) website: [https://idph.iowa.gov/chnahip/health-improvement-plans](https://idph.iowa.gov/chnahip/health-improvement-plans)

### Goals, Objectives & Strategies

#### Adolescent Immunizations

**Goal #1** Increase the number of adolescents 13 to 17 years of age who have received human papillomaviruses (HPV) vaccine.

#### Alignment with National Plans

- President’s Cancer Panel: [https://deainfo.nci.nih.gov/advisory/pcp/annualReports/HPV/index.htm](https://deainfo.nci.nih.gov/advisory/pcp/annualReports/HPV/index.htm)

#### Alignment with State / Other Plans


#### Adolescent Immunizations

**Objective 1-1** By December 31, 2020, increase HPV vaccine completion rates* among Iowa adolescents 13-17 years of age to 80%.

* Completion rate = appropriate HPV vaccination and may include 2 or 3 doses of vaccine.

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Baseline Value</td>
<td>2016 45.5%</td>
</tr>
<tr>
<td>Target Value</td>
<td>2020 80%</td>
</tr>
</tbody>
</table>

**Strategy 1-1.1** Encourage providers to strongly recommend the HPV vaccine as a cancer prevention vaccine and add the HPV vaccine to physician recommended vaccines at wellness checkups for recommended populations.

**Strategy Type** Professional/provider-focused

**Strategy Source & Location** Iowa Cancer Plan 2018-2022, Goal 5, Actions G & I

**Who’s Responsible** Iowa Cancer Consortium members and partners

**Target Date** Jan 1, 2022

**Strategy 1-1.2** Implement health care system strategies and office-based reminder systems to increase the number of patients who initiate and complete the HPV vaccination series.

**Strategy Type** Professional/provider-focused

**Strategy Source & Location** Iowa Cancer Plan 2018-2022: Goal 5, Action D

**Who’s Responsible** Iowa Cancer Consortium members and partners

**Target Date** Jan 1, 2022
Adolescent Immunizations

Goal #2  Increase the number of adolescents in 7th and 12th grades who receive meningococcal vaccine.

Alignment with National Plans
Healthy People 2020, Immunization and Infectious Diseases, Objectives 3 & 11

Alignment with State / Other Plans
Iowa Administrative Code, Chapter 7  http://idph.iowa.gov/immtb/immunization/laws

<table>
<thead>
<tr>
<th>Objective 2-1</th>
<th>Increase the percent of adolescents who receive meningococcal vaccine upon entry into 7th and 12th grades to 95%.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Source &amp; Location</td>
<td>School and Childcare Audits, Iowa Department of Public Health  <a href="http://idph.iowa.gov/immtb/immunization/audits">http://idph.iowa.gov/immtb/immunization/audits</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Baseline Year</th>
<th>Baseline Value</th>
<th>Target Year</th>
<th>Target Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-17</td>
<td>0%</td>
<td>2019-20</td>
<td>95%</td>
</tr>
</tbody>
</table>

Adolescent Immunizations

Strategy 2-1.1  Distribute educational materials to health care providers regarding school immunization requirements and the benefit of meningococcal vaccine.

Strategy Type
Professional/provider-focused

Strategy Source & Location
Iowa Department of Public Health, Immunization Program Strategy

Who's Responsible
Iowa Department of Public Health, Immunization Program & Iowa Immunization Coalition

Target Date
Feb 15, 2020

Adolescent Immunizations

Strategy 2-1.2  Assess school meningococcal immunization coverage levels for 7th and 12th grade students annually.

Strategy Type
Professional/provider-focused

Strategy Source & Location
Iowa Department of Public Health, Immunization Program Strategy

Who's Responsible
Local Public Health Agencies and Iowa Department of Public Health, Immunization Program

Target Date
Mar 1, 2020

Progress notes:
During the 2017-18 school year 94.3% (37,743/40,025) of students in 7th grade received all of the required vaccines to attend school. Students enrolling in 7th grade and born after September 15, 2004 are required to receive one dose of Tdap and one dose of meningococcal vaccine.

During the 2017-18 school year 92.8% (36,066/38,860) of students in 12th grade received all of the required vaccines to attend school. In addition to other required vaccines, students enrolling in 12th grade who were born on or after September 15, 1999, are required to receive 2 doses of meningococcal vaccine or one dose after 16 years of age.
During the 2018-19 school year 94.5% (39,262/41,550) of students in 7th grade received all of the required vaccines to attend school. Students enrolling in 7th grade and born after September 15, 2004 are required to receive one dose of Tdap and one dose of meningococcal vaccine.

During the 2018-19 school year 91.7% (35,540/38,779) of students in 12th grade received all of the required vaccines to attend school. In addition to other required vaccines, students enrolling in 12th grade who were born on or after September 15, 1999, are required to receive 2 doses of meningococcal vaccine or one dose after 16 years of age.

### Adolescent Immunizations

**Goal #3** Increase adolescent immunization rates by increasing access to adolescent vaccines administered by pharmacists.

**Alignment with National Plans**

Healthy People 2020, Immunization and Infectious Diseases

**Alignment with State / Other Plans**

N/A

### Adolescent Immunizations

<table>
<thead>
<tr>
<th>Objective 3-1</th>
<th>Secure legislation to expand access to adolescent immunizations administered by pharmacists.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline Year</td>
<td>2016</td>
</tr>
<tr>
<td>Baseline Value</td>
<td>No legislation</td>
</tr>
<tr>
<td>Target Year</td>
<td>2019</td>
</tr>
<tr>
<td>Target Value</td>
<td>Legislation passed</td>
</tr>
</tbody>
</table>

**Data Source & Location**

Currently, pharmacists can administer any vaccine per protocol to patients >18 years of age and influenza and other emergency vaccinations to patients >6 years of age.
[https://www.legis.iowa.gov/docs/iac/rule/02-17-2016.657.8.33.pdf](https://www.legis.iowa.gov/docs/iac/rule/02-17-2016.657.8.33.pdf)

### Adolescent Immunizations

**Strategy 3-1.1** Partner with key stakeholders to determine best strategies for expanding access to adolescent immunizations.

**Strategy Type** Community-focused

**Strategy Source & Location**

IPA's 2017/2018 legislative priorities

**Who's Responsible**

Iowa Pharmacy Association

**Target Date** Jun 1, 2019

### Adolescent Immunizations

**Strategy 3-1.2** Develop and disseminate educational resources to the public regarding pharmacist administered vaccinations.

**Strategy Type** Individual/interpersonal-focused

**Strategy Source & Location**

New proposed strategy

**Who's Responsible**

Iowa Pharmacy Association

**Target Date** Dec 31, 2018
Goals, Objectives & Strategies

Flu Immunizations

Goal #1  Increase the number of health care workers who receive the influenza vaccine annually.

Alignment with National Plans

*National Action Plan to Prevent Health Care-Associated Infections: Road Map to Elimination*
https://health.gov/hcq/pdfs/hai-action-plan-hcp-flu.PDF

Healthy People 2020, Immunization and Infectious Disease Objective 12.9, available at

Alignment with State / Other Plans

N/A

Flu Immunizations

**Objective 1-1**  Each flu season (October-March), achieve a 90% influenza vaccination rate among health care workers at hospitals.

<table>
<thead>
<tr>
<th>Baseline Year</th>
<th>Baseline Value</th>
<th>Target Year</th>
<th>Target Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-10</td>
<td>79%</td>
<td>2020-21</td>
<td>90%</td>
</tr>
</tbody>
</table>

Data Source & Location: Centers for Medicare & Medicaid Services Hospital Compare database, Timely and Effective Care – State flat file: Preventive Care measure: Healthcare workers given influenza vaccination. Available at https://data.medicare.gov/data/archives/hospital-compare

Flu Immunizations

**Strategy 1-1.1**  Distribute educational materials to Iowa health care workers regarding the importance of receiving annual influenza vaccine.

Strategy Type: Professional/provider-focused

Strategy Source & Location: Iowa Department of Public Health, Immunization Program Strategy

Who's Responsible: Iowa Department of Public Health, Immunization Program  Target Date: Sep 30, 2020

Flu Immunizations

**Strategy 1-1.2**  Annually assess influenza vaccination rates of health care providers in long-term care and ambulatory care settings.

Strategy Type: Professional/provider-focused

Strategy Source & Location: Iowa Healthcare Collaborative Strategy

Who's Responsible: Iowa Healthcare Collaborative  Target Date: Jul 31, 2021
**Goal #2**  Increase influenza vaccinations in adults 65 years of age and older.

### Alignment with National Plans

**Healthy People 2020, Immunization and Infectious Diseases:**  

**American Nurses Association Position Statement 7/21/15:**  

### Alignment with State / Other Plans

N/A

### Flu Immunizations

#### Objective 2-1

Annually, achieve an influenza vaccination rate of 80% among Iowans 65 years of age and older.

<table>
<thead>
<tr>
<th>Baseline Year</th>
<th>Baseline Value</th>
<th>Target Year</th>
<th>Target Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>66.8%</td>
<td>2021</td>
<td>80%</td>
</tr>
</tbody>
</table>

**Data Source & Location**  
Health in Iowa: Annual Report from the Behavioral Risk Factor Surveillance System  
[http://idph.iowa.gov/brfss](http://idph.iowa.gov/brfss)

#### Flu Immunizations

**Strategy 2-1.1**  Implement a public influenza vaccination campaign regarding the importance of receiving the vaccine annually.  
**Strategy Type**  Community-focused

**Strategy Source & Location**  
Iowa Department of Public Health, Immunization Program Strategy

**Who’s Responsible**  
Iowa Department of Public Health Immunization Program

**Target Date**  
Oct 1, 2021

#### Flu Immunizations

**Strategy 2-1.2**  Support public health efforts to improve vaccination rates for children and adults.  
**Strategy Type**  Individual/interpersonal-focused

**Strategy Source & Location**  
Updated Iowa Nurses Association Resolutions to show support:  
[http://www.iowanurses.org/PublicPolicy/Resolutions.aspx](http://www.iowanurses.org/PublicPolicy/Resolutions.aspx)

**Who’s Responsible**  
Public Policy Committee of the Iowa Nurses Association

**Target Date**  
Jan 1, 2021