

# 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



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# FOCUS AREA: Acute Disease

## What Health Issues Are Included

Adolescent Immunizations

Flu Immunizations

## Acute Disease Measures of Health Improvement

**AD-1** Increase ↑ the percentage of adolescents ages 13 to 17 Up-To-Date on HPV vaccinations.\*

<u>Overall ☺</u>	<u>Female ☺</u>	<u>Male ☹</u>
Target: 48%	Target: 50%	Target: 46%
Baseline: 46% [2016]	Baseline: 47% [2016]	Baseline: 44% [2016]
Newest: 54% [2017]≈18%↑ increase	Newest: 66% [2017]≈38%↑ increase	Newest: 43% [2017]≈3%↓ decrease

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>

\*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).

**AD-2** Increase ↑ the percentage of adolescents ages 13 to 17 getting meningitis (meningococcal) vaccinations.\*

<u>Overall ☺</u>	<u>Living in a Non MSA (rural) ☺</u>
Target: 79%	Target: 65%
Baseline: 75% [2016]	Baseline: 61% [2016]
Newest: 84% [2017]≈12%↑ increase	Newest: 75% [2017]≈22%↑ increase

Data Source: CDC, NIS-Teen via TeenVaxView Interactive.

<https://www.cdc.gov/vaccines/imz-managers/coverage/teenvaxview/data-reports/menacwy/index.html>

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

**AD-3** Increase ↑ the percentage of adults getting flu vaccinations.

<u>Ages 18-64 ☹</u>	<u>Male ages 18-64 ☹</u>
Target: 44%	Target: 36%
Baseline: 41% [2016]	Baseline: 34% [2016]
Newest: 40% [2017]≈3%↓ decrease	Newest: 35% [2017]≈4%↑ increase
<u>Hispanic ages 18-64 ☺</u>	<u>Non-Hispanic Black ages 18-64 ☹</u>
Target: 38%	Target: 31%
Baseline: 36% [2016]	Baseline: 29% [2016]
Newest: 45% [2017]≈25%↑ increase	Newest: 39% [2017]≈33%↑ increase

Data Source: Iowa Behavioral Risk Factor Surveillance System (BRFSS). Additional IDPH analysis of national BRFSS data.

<https://idph.iowa.gov/brfss>

<u>Ages 65+ ☹</u>
Target: 71%
Baseline: 67% [2016]
Newest: 66% [2017]≈1%↓ decrease

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>

## Iowa Health Issue: Adolescent Immunizations

### 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>

### 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>

U.S. National Vaccine Plan <http://www.hhs.gov/nvpo/national-vaccine-plan/index.html>

Healthy People 2020, Immunization and Infectious Diseases, Objective 11

<https://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>

#### Alignment with State / Other Plans

Iowa Cancer Plan <http://canceriowa.org/iowa-Cancer-Plan.aspx>

#### Adolescent Immunizations

Objective 1-1	By December 31, 2020, increase HPV vaccine completion rates* among Iowa adolescents 13-17 years of age to 80%.	Baseline Year	Baseline Value	Target Year	Target Value
		2016	45.5%	2020	80%

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

Data Source & Location: National Immunization Survey-Teen (NIS-Teen) via TeenVaxView Interactive available at <https://www.cdc.gov/vaccines/imz-managers/coverage/teenvaxview/data-reports/hpv/index.html>

#### Adolescent Immunizations

**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

#### Adolescent Immunizations

**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

<https://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>

### Alignment with State / Other Plans

Iowa Administrative Code, Chapter 7 <http://idph.iowa.gov/immtdb/immunization/laws>

### Adolescent Immunizations

Objective 2-1	Increase the percent of adolescents who receive meningococcal vaccine upon entry into 7th and 12th grades to 95%.	Baseline Year	Baseline Value	Target Year	Target Value
		2016-17	0%	2019-20	95%

Data Source & Location School and Childcare Audits, Iowa Department of Public Health  
<http://idph.iowa.gov/immtdb/immunization/audits>

### 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

#### Report Date

Feb 23, 2018

#### Progress on Strategy

☐ Complete ☒ On track ☐ Off track ☐ No progress

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.

#### Report Date

March 26, 2019

#### Progress on Strategy

☐ Complete ☒ On track ☐ Off track ☐ No progress

Progress notes: 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

<https://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>

### Alignment with State / Other Plans

N/A

## Adolescent Immunizations

**Objective 3-1** Secure legislation to expand access to adolescent immunizations administered by pharmacists.

Baseline  
Year

2016

Baseline  
Value

No  
legislation

Target  
Year

2019

Target  
Value

Legislation  
passed

Data Source & Location Iowa Code: <https://www.legis.iowa.gov/law/iowaCode>  
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>

## 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

## Iowa Health Issue: Flu Immunizations

### Iowa Counties with Local Strategies

Buchanan, Calhoun, Greene, Iowa, Louisa, Madison, Mitchell, Sioux, Van Buren, Worth

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>

## 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

<https://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>

#### 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.

Baseline  
Year

2009-10

Baseline  
Value

79%

Target  
Year

2020-21

Target  
Value

90%

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

## Flu Immunizations

**Goal #2** Increase influenza vaccinations in adults 65 years of age and older.

### Alignment with National Plans

Healthy People 2020, Immunization and Infectious Diseases:

<https://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>

American Nurses Association Position Statement 7/21/15:

<http://www.nursingworld.org/MainMenuCategories/Policy-Advocacy/Positions-and-Resolutions/ANAPositionStatements/Position-Statements-Alphabetically/Immunizations.html>

### Alignment with State / Other Plans

N/A

## Flu Immunizations

Objective 2-1	Annually, achieve a influenza vaccination rate of 80% among lowans 65 years of age and older.	Baseline Year	Baseline Value	Target Year	Target Value
		2014	66.8%	2021	80%

Data Source & Location | Health in Iowa: Annual Report from the Behavioral Risk Factor Surveillance System <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>

### Who's Responsible

Public Policy Committee of the Iowa Nurses Association

### Target Date

Jan 1, 2021