

# Buchanan County, IA

## Community Health Improvement Plan

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For additional information, CONTACT:

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# Community Priority

## Promote Healthy Behaviors

<b>Goal #1</b>	By 2020, increase healthy behaviors among residents of Buchanan County.	National Alignment	State Alignment
		National and weight status/Physical Activity/Health-Related Quality of Life & Well-Being	Healthy Living

<b>Objective 1-1</b>	Decrease overweight/obesity rates in Buchanan County adults from 72% to State average of 67% by 2020 (rates are according to 2011 Buchanan County Health Snapshot).	Baseline value & (year)	Target value & (year)
		72 (2011)	67 (2020)

**Strategy 1-1.1** By 2020, LPHA representative will participate with community meetings focusing on improving healthy lifestyle choices, such as: Buchanan County Four Seasons Trails, Indee-go Healthy, and others are requested. Target Date  
Jan 1, 2020

<u>Strategy Type</u>	<u>Who's responsible?</u>
Address Social Determinant / Disparity	Buchanan County Public Health (BCPH) and community partners

**Strategy 1-1.2** By 2020, increase awareness of related health concerns due to obesity among Buchanan County residents through health promotion campaigns. Target Date  
Jan 1, 2020

<u>Strategy Type</u>	<u>Who's responsible?</u>
Counseling & Education	BCPH and community partners

<b>Goal #2</b>	By 2020, rates of substance abuse among Buchanan County residence will decrease.	National Alignment	State Alignment
		Tobacco Use/Substance Abuse	Addictive Behaviors

<b>Objective 2-1</b>	Binge drinking rates in Buchanan County will decreased from 26% to 21% by 2020 (rates are according to 2011 Buchanan County Health Snapshot).	Baseline value & (year)	Target value & (year)
		26% (2011)	21% (2020)

**Strategy 2-1.1** By 2020, increase awareness of related health concerns and risk taking behavior due to binge drinking among Buchanan County residents through health promotion campaigns. Target Date  
Jan 1, 2020

<u>Strategy Type</u>	<u>Who's responsible?</u>
Counseling & Education	BCPH and community partners

<b>Objective 2-2</b>	Smoking Tobacco rates will decrease from 25% to 20% by 2020 (rates are according to 2011 Buchanan County Health Snapshot).	Baseline value & (year)	Target value & (year)
		25% (2011)	20% (2020)

Strategy 2-2.1 By 2020, increase awareness of related health concerns due to nicotine use among Buchanan County residents through health promotion campaigns. Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH, Buchanan County Tobacco Coalition, and community partners

Strategy 2-2.2 By 2020, promote nicotine free workplaces in Buchanan County. Target Date  
Jan 1, 2020

Strategy Type

Environmental / Policy Change

Who's responsible?

BCPH, Buchanan County Tobacco Coalition, and community partners

**Goal #3** By 2020, decrease chronic disease among residents of Buchanan County.

National Alignment

Heart Disease and Stroke/Diabetes/  
Respiratory Disease/Health-Related  
Quality of Life & Well-Being

State Alignment

Chronic Disease

<b>Objective 3-1</b>	Hospitalization rates for Buchanan County residents due to heart attack will decrease from 22 to 20 by 2020 (rates are according to 2011 Buchanan County Health Snapshot).	<u>Baseline value &amp; (year)</u>	<u>Target value &amp; (year)</u>
		22 (2011)	20 (2011)

Strategy 3-1.1 By 2020, increase awareness of health promotion activities to decrease heart attack risk. Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

<b>Objective 3-2</b>	Decrease rates of diabetes among Buchanan County adults from 13% to 10% by 2020 (rates are according to 2011 Buchanan County Health Snapshot).	<u>Baseline value &amp; (year)</u>	<u>Target value &amp; (year)</u>
		13% (2011)	10% (2020)

Strategy 3-2.1 By 2020, LPHA representative will participate with community meetings focusing on improving healthy lifestyle choices, such as: Buchanan County Four Seasons Trails, Indee-go Healthy, and others are requested. Target Date  
Jan 1, 2020

Strategy Type

Address Social Determinant / Disparity

Who's responsible?

BCPH and community partners

Strategy 3-2.2 By 2020, increase awareness of risk of diabetes due to obesity among Buchanan County residents through health promotion campaigns. Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

<b>Objective 3-3</b>	Hospitalization rates for Buchanan County residents due to stroke will decrease from 19 to 16 and death rates will
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decrease from 47 to 42 by 2020 (rates are according to 2011 Buchanan County Health Snapshot).

Baseline value  
& (year)

19 & 47 (2011)

Target value  
& (year)

16 & 42 (2020)

Strategy 3-3.1 By 2020, increase awareness of health promotion activities to decrease risk of stroke.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

**Objective 3-4** By 2020, reduce the percentage of Buchanan County students in 6th, 8th, and 11th grade who have experienced sadness or hopelessness resulting in decreased normal activity lasting 2 weeks or more in the past 12 months by 2% for 6th and 8th graders and 5% for 11th graders (Iowa Youth Survey 2012 reports 15% of 6th graders, 10% of 8th graders, & 24% of 11th graders).

Baseline value  
& (year)

15%/10%/24%  
(2012)

Target value  
& (year)

13%/8%/19%  
(2020)

Strategy 3-4.1 By 2020, increase parental awareness of signs and symptoms of youth depression.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

**Objective 3-5** Decrease rate of asthma diagnosis among youth in Buchanan County from 43% to 38% by 2020 (rates are according to 2011 Buchanan County Health Snapshot).

Baseline value  
& (year)

43% (2011)

Target value  
& (year)

38% (2020)

Strategy 3-5.1 By 2020, increase awareness of environmental risks and other contributing factors related to asthma.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

# Community Priority

## Prevent Injury

<b>Goal #1</b>	By 2020, reduce unintentional injuries of Buchanan County Residents.	National Alignment	State Alignment
		Injury and Violence Prevention	Injury and Violence

<b>Objective 1-1</b>	Decrease hospitalizations related to falls in Buchanan County residents from 379 (from 2009 to 2013) by 5% (from 2014 to 2018) (rates are according to IDPH report-Falls in Iowa: County Deaths and Hospitalizations 2009-2013 data).	Baseline value & (year)	Target value & (year)
		379 (2009-2013)	360 (2018)

<b>Strategy 1-1.1</b>	By 2018, increase awareness of risk factors related to falls among Buchanan County residents through health promotion campaigns targeting the aging population.	<u>Target Date</u> Jan 1, 2018
<u>Strategy Type</u>	<u>Who's responsible?</u>	
Counseling & Education	BCPH and community partners	

<b>Objective 1-2</b>	Due to 1/3 of Buchanan County Residents commuting for employment (according to Grow Buchanan Economic Development 2013 Annual Report), decrease Motor Vehicle Accident (MVA) deaths by 5% (from 2012 to 2016) (current data shows 17 MVA related deaths from 2007 to 2011)(rates are according to 2013 Iowa Health Fact Book).	Baseline value & (year)	Target value & (year)
		17 (2007-2011)	16 (2017)

<b>Strategy 1-2.1</b>	By 2017, increase awareness of risk factors related to MVA among Buchanan County residents through health promotion campaigns.	<u>Target Date</u> Jan 1, 2017
<u>Strategy Type</u>	<u>Who's responsible?</u>	
Counseling & Education	BCPH and community partners	

<b>Strategy 1-2.2</b>	By 2017, increase awareness of unintentional risks assumed while operating a motor vehicle under the influence of mind altering substances. In 2013, approximately 60-1st offense, 13-2nd offense, and 4-3+ OWI offenses occurred. 45 drug related indictable misdemeanors and 21 drug related felonies occurred in Buchanan County (Buchanan County Attorney Data).	<u>Target Date</u> Jan 1, 2017
<u>Strategy Type</u>	<u>Who's responsible?</u>	
Counseling & Education	BCPH and community partners	

<b>Goal #2</b>	By 2020, reduce intentional injuries among youth in Buchanan County.	National Alignment	State Alignment
		Injury and Violence Prevention	Injury and Violence

<b>Objective 2-1</b>	By 2020, reduce the percentage of Buchanan County students in 6th, 8th, and 11th grade who have experienced bullying by 5%. (Iowa Youth Survey 2012 reports 32% of 6th graders, 38% of 8th graders, & 30% of 11th graders in the 30 days prior to survey) reported being called names, made fun of, or teased in a hurtful way.)	Baseline value & (year)	Target value & (year)
		32, 38, 30% (2012)	5% less for each grade (2020)

Strategy 2-1.1 By 2020, increase adult awareness of what constitutes bullying through health promotion campaigns.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

Objective 2-2 By 2020, reduce percent of Buchanan County students in grades 6,8,11 who have in the past 12 months seriously considered suicide by 2% for 6th and 8th graders and 5% for 11th graders (Iowa Youth Survey 2012 reports 12% of 6th graders, 12% of 8th graders, & 26% of 11th graders).

Baseline value & (year)

12%/12%/26%  
(2012)

Target value & (year)

10%/10%/21%  
(2020)

Strategy 2-2.1 By 2020, increase parental awareness of signs and symptoms of youth depression.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

# Community Priority

## Protect Against Environmental Hazards

<b>Goal #1</b> Identify water quality concerns among private well sources in Buchanan County by 2020.	National Alignment	State Alignment
	Environmental Health	Environmental Health

<b>Objective 1-1</b> Through 2020, Buchanan County Environmental Health (BCEH) will test at a minimum of 200 private wells per year using Grant to Counties Funds.	Baseline value & (year)	Target value & (year)
	197 (2014)	200 (2020)

<b>Strategy 1-1.1</b> Through 2020, increase awareness among homeowners in Buchanan County of Grant To Counties funds available for private well water testing.	<u>Target Date</u> Jan 1, 2020
<u>Strategy Type</u> Counseling & Education	<u>Who's responsible?</u> BCEH and community partners

<b>Objective 1-2</b> Through 2020, a minimum of 15 abandoned well sources will be plugged each year by Buchanan County Environmental Health Department.	Baseline value & (year)	Target value & (year)
	20 (2014)	15(2020)

<b>Strategy 1-2.1</b> Increase awareness among contractors and homeowners in Buchanan County of Grant To Counties funds available to plug any unused or abandoned wells through 2020.	<u>Target Date</u> Jan 1, 2020
<u>Strategy Type</u> Counseling & Education	<u>Who's responsible?</u> BCEH and community partners

<b>Objective 1-3</b> Through 2020 Buchanan County Environmental Health will rehabilitate no less than 3 wells per year using Grant to Counties Funds.	Baseline value & (year)	Target value & (year)
	4 (2015)	3 (2020)

<b>Strategy 1-3.1</b> Through 2020, increase awareness among contractors and homeowners in Buchanan County of Grant To Counties funds available to rehabilitate wells.	<u>Target Date</u> Jan 1, 2020
<u>Strategy Type</u> Counseling & Education	<u>Who's responsible?</u> BCEH and community partners

<b>Goal #2</b> Identify sources of indoor air quality concerns for Buchanan County residents by 2020.	National Alignment	State Alignment
	Environmental Health	Environmental Health

Objective 2-1	Between 2015 and 2020 a minimum of 100 homes per year will be tested for radon levels in Buchanan County .	Baseline value & (year) 94 (2010)	Target value & (year) 100 (2020)
Strategy 2-1.1	Increases radon testing and levels awareness among Buchanan County residents by tasks such as promoting Radon Awareness month and selling radon testing kits through 2020.	Target Date Jan 1, 2020	
	Strategy Type Counseling & Education	Who's responsible? BCEH and community partners	
Strategy 2-1.2	By 2020, BCEH will begin the process of implementing ordinances which mandate radon mitigation practices in new home construction.	Target Date Jan 1, 2020	
	Strategy Type Environmental / Policy Change	Who's responsible? BCEH and community partners	
Objective 2-2	By 2020 reduce carbon monoxide poisonings in Buchanan County by 33%.	Baseline value & (year) 6 (2013)	Target value & (year) 4 (2020)
Strategy 2-2.1	Increase awareness of methods to prevent carbon monoxide poisonings by 2020.	Target Date Jan 1, 2020	
	Strategy Type Counseling & Education	Who's responsible? BCEH and community partners	
Strategy 2-2.2	Increase inventory of informational products related to carbon monoxide at the BCEH department for Buchanan County residents by 2020.	Target Date Jan 1, 2020	
	Strategy Type Counseling & Education	Who's responsible? BCEH and community partners	
Strategy 2-2.3	By 2020, BCEH will begin the process of implementing ordinances which mandate mitigation tactics for carbon monoxide infiltration in new home construction.	Target Date Jan 1, 2020	
	Strategy Type Environmental / Policy Change	Who's responsible? BCEH and community partners	
<b>Goal #3</b> Increase awareness of lead testing recommendations in Buchanan County children prior to 36 months of age by 2020.	National Alignment Environmental Health	State Alignment Environmental Health	
Objective 3-1	Increase childhood lead testing from 61% to 70% in Buchanan County children 36 months and under by 2020 (rates are according to Iowa Environmental Public Health Tracking Network).	Baseline value & (year) 61% (2006)	Target value & (year) 70% (2020)



Strategy 3-1.1 By 2020, increase awareness of testing recommendations and effects of high lead levels.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

Strategy 3-1.2 Education homeowners on proper lead mitigation techniques through 2020.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCEH, BCPH and community partners

# Community Priority

## Prevent Epidemics and the Spread of Disease

<b>Goal #1</b> Decrease spread of communicable diseases among Buchanan County residents by 2020.	National Alignment	State Alignment
	Immunization and Infectious Disease	Acute Disease

<b>Objective 1-1</b> Reduce incidents of STDs by 10% among Buchanan County residents by 2020 (rates are according to Buchanan County IDSS report).	Baseline value & (year)	Target value & (year)
	69 (2014)	62 (2020)

Strategy 1-1.1 By 2020, increase awareness of risk factors related STDs. Target Date  
Jan 1, 2020

<u>Strategy Type</u>	<u>Who's responsible?</u>
Counseling & Education	BCPH and community partners

<b>Objective 1-2</b> Reduce incidents of reportable communicable diseases by 10% among Buchanan County residents by 2020 (rates are according to Buchanan County IDSS report).	Baseline value & (year)	Target value & (year)
	20 (2014)	18 (2020)

Strategy 1-2.1 By 2020, increase awareness of risk factors related communicable diseases. Target Date  
Jan 1, 2020

<u>Strategy Type</u>	<u>Who's responsible?</u>
Counseling & Education	BCPH and community partners

<b>Goal #2</b> Increase vaccination rates of Buchanan County residents by 2020.	National Alignment	State Alignment
	Immunization and Infectious Disease	Acute Disease

<b>Objective 2-1</b> Increase percentage of adults in Buchanan who receive the annual influenza vaccine from 40% to 45% by 2020 (rates are according to 2011 Buchanan County Health Snapshot).	Baseline value & (year)	Target value & (year)
	40% (2011)	45% (2020)

Strategy 2-1.1 Offer seasonal influenza vaccinations within local work sites through 2020. Target Date  
Jan 1, 2020

<u>Strategy Type</u>	<u>Who's responsible?</u>
Long-Lasting Protective Intervention	BCPH and community partners

Strategy 2-1.2 By 2020, increase awareness of influenza vaccine availability within Buchanan County.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

Strategy 2-1.3 Educate Buchanan County residents regarding severity and complications related to seasonal influenza through 2020.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

**Objective 2-2** By 2020, increase Buchanan County Adult vaccination rates by 5%, including Pneumococcal (46%, 2013), Tdap (72%, 2013), & Zoster (23%, 2013).

Baseline value & (year)

46%/72%/23%  
(2013)

Target value & (year)

51%/77%/28%  
(2020)

Strategy 2-2.1 By 2020, increase awareness of recommended adult vaccinations.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

**Objective 2-3** Increase percentage of 13-15 years olds who are up-to-date with recommended vaccine series (3 Hep B, 1 Meng., 2 MMR, 1 Td or Tdap, & 2 Varicella) from 53% to 60% by 2020 (rates are from the 2013 Iowa Immunization Program Annual Report).

Baseline value & (year)

53% (2013)

Target value & (year)

60% (2020)

Strategy 2-3.1 Continue vaccination of un- and under-insured adolescent population per on-demand scheduling and collaboration with local healthcare providers to coordinate services through 2020.

Target Date  
Jan 1, 2020

Strategy Type

Long-Lasting Protective Intervention

Who's responsible?

BCPH and community partners

Strategy 2-3.2 by 2020, increase parental awareness of recommended adolescent vaccinations.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

**Objective 2-4** Increase percentage of 13-15 years olds who are up-to-date with recommended HPV series from 38% for females and 21% for males by 5% by the year 2020 (rates are from the 2013 Iowa Immunization Program Annual Report).

Baseline value & (year)

38%/21% (2013)

Target value & (year)

43%/26% (2020)

Strategy 2-4.1 Continue vaccination of un- and under-insured adolescent population per on-demand scheduling and collaboration with local healthcare providers to coordinate services through 2020.

Target Date  
Jan 1, 2020

Strategy Type

Long-Lasting Protective Intervention

Who's responsible?

BCPH and community partners

Strategy 2-4.2 By 2020, increase parental awareness of recommended HPV vaccination series.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

**Objective 2-5** Increase percentage of 2 years olds who are up-to-date with recommended vaccine series (3 DTap, 3 Polio, 3 Hib, 3 Hep B, 1 Varicella, & 4 PCV) from 82% to 85% by 2020 (rates are from the 2013 Iowa Immunization Program Annual Report).

Baseline value & (year)

82% (2013)

Target value & (year)

85% (2020)

Strategy 2-5.1 Continue vaccination of un- and under-insured adolescent population per on-demand scheduling and collaboration with local healthcare providers to coordinate services through 2020.

Target Date  
Jan 1, 2020

Strategy Type

Long-Lasting Protective Intervention

Who's responsible?

BCPH and community partners

Strategy 2-5.2 By 2020, increase parental awareness of recommended childhood vaccinations.

Target Date  
Jan 1, 2020

Strategy Type

Counseling & Education

Who's responsible?

BCPH and community partners

# Community Priority

## Prepare for, Respond to, & Recover from Public Health Emergencies

<b>Goal #1</b> By 2020 decrease risk of injury and death related to all hazards.	National Alignment	State Alignment
	Preparedness	Preparedness and Response

<b>Objective 1-1</b>	Increase preparedness of the Health Emergency Coalition of Buchanan County partners as evidence by completion of emergency plans related to PHEP/HPP Capabilities and EMA Emergency Support Functions (ESF) by 2020.	Baseline value & (year)	Target value & (year)
		15% completed (2014)	100% completed (2020)

<b>Strategy 1-1.1</b>	Ongoing collaboration among emergency preparedness partners for plan completion, including regular HECBC meetings/trainings/exercises through 2020.	<u>Target Date</u> Jan 1, 2020
<u>Strategy Type</u>	<u>Who's responsible?</u>	
Environmental / Policy Change	BCPH, BCHC, BCEM, BCEH, EMS and community partners	

<b>Objective 1-2</b>	Creation of Medical Reserve Corps in Buchanan County with a minimum of 20 volunteers by 2020.	Baseline value & (year)	Target value & (year)
		0 (2015)	20 (2020)

<b>Strategy 1-2.1</b>	Assist MRC coordinator to develop, plan, implement, facilitate, and evaluate MRC unit through 2020.	<u>Target Date</u> Jan 1, 2020
<u>Strategy Type</u>	<u>Who's responsible?</u>	
Long-Lasting Protective Intervention	BCPH, BCHC, BCEM, BCEH, EMS and community partners	

<b>Objective 1-3</b>	Assure emergency plans for Buchanan County target highest vulnerabilities through completion of HVA by 2018.	Baseline value & (year)	Target value & (year)
		Last HVA completed in 2013	New HVA completed by 2018

<b>Strategy 1-3.1</b>	By 2018, HECBC partners will assess population vulnerabilities in relation to natural/man-made/terrorist risks.	<u>Target Date</u> Jan 1, 2018
<u>Strategy Type</u>	<u>Who's responsible?</u>	
Address Social Determinant / Disparity	BCPH, BCHC, BCEM, BCEH, EMS and community partners	

# Community Priority

## Strengthen the Health Infrastructure

**Goal #1** Decrease the burden on the limited healthcare workforce in Buchanan County by 2020.

### National Alignment

Access to Health Services/Public Health Infrastructure/Health-Related Quality of Life & Well-Being

### State Alignment

Access to Quality Health Services and Support

**Objective 1-1** By 2020, decrease chronic and communicable diseases as noted in Promote Healthy Living and Prevent Epidemics & Spread of Disease Goals, Objectives, and Strategies, along with creation of MRC for surge capacity as noted in Prepare for, Respond to, & Recover from Public Health Emergencies Goal, Objectives, and Strategies.

Baseline value & (year)

See priorities above as noted

Target value & (year)

See priorities above as noted

**Strategy 1-1.1** By 2020, increase awareness of healthy lifestyles among Buchanan County residents in order to decrease health related issues, decreasing the burden on the limited healthcare workforce in Buchanan County.

Target Date  
Jan 1, 2020

### Strategy Type

Counseling & Education

### Who's responsible?

BCPH and community partners