

IOWA ACUTE DISEASE MONTHLY UPDATE

CENTER FOR ACUTE DISEASE EPIDEMIOLOGY

July, 2018



Iowa Department of public Health

TABLE OF CONTENTS

Introduction.....	3
Iowa County Boundaries and Population.....	4
June Case Counts	5
YTD Case Counts – Counties A-J.....	6
YTD Case Counts – Counties K-W.....	7
12 Month Case Counts – Counties A-E.....	8
12 Month Case Counts – Counties F-L.....	9
12 Month Case Counts – Counties M-W.....	10
Campylobacteriosis Summary.....	11
Cryptosporidiosis Summary.....	12
E. coli (STEC) Summary.....	13
Giardiasis Summary.....	14
Lyme Disease Summary.....	15
Mumps Summary.....	16
Pertussis Summary.....	17
Salmonellosis Summary.....	18
Shigellosis Summary.....	19
Select Low-Incidence Disease Summaries.....	20
Center for Acute Disease Epidemiology (CADE) Staff.....	21

INTRODUCTION

The Center for Acute Disease Epidemiology (CADE) uses the most recent Council of State and Territorial Epidemiologists (CSTE) / Centers for Disease Control and Prevention (CDC) case definitions found on the [National Notifiable Disease Surveillance System \(NNDSS\)](#) page. These definitions are used to classify the case as confirmed, probable, suspect, not a case, or awaiting more information. **Only confirmed and probable cases meeting the CSTE/CDC case definitions are included in official case counts.**

CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

Disease case counts were compiled from the Iowa Disease Surveillance System (IDSS). Data are provisional and subject to monthly reporting variation.

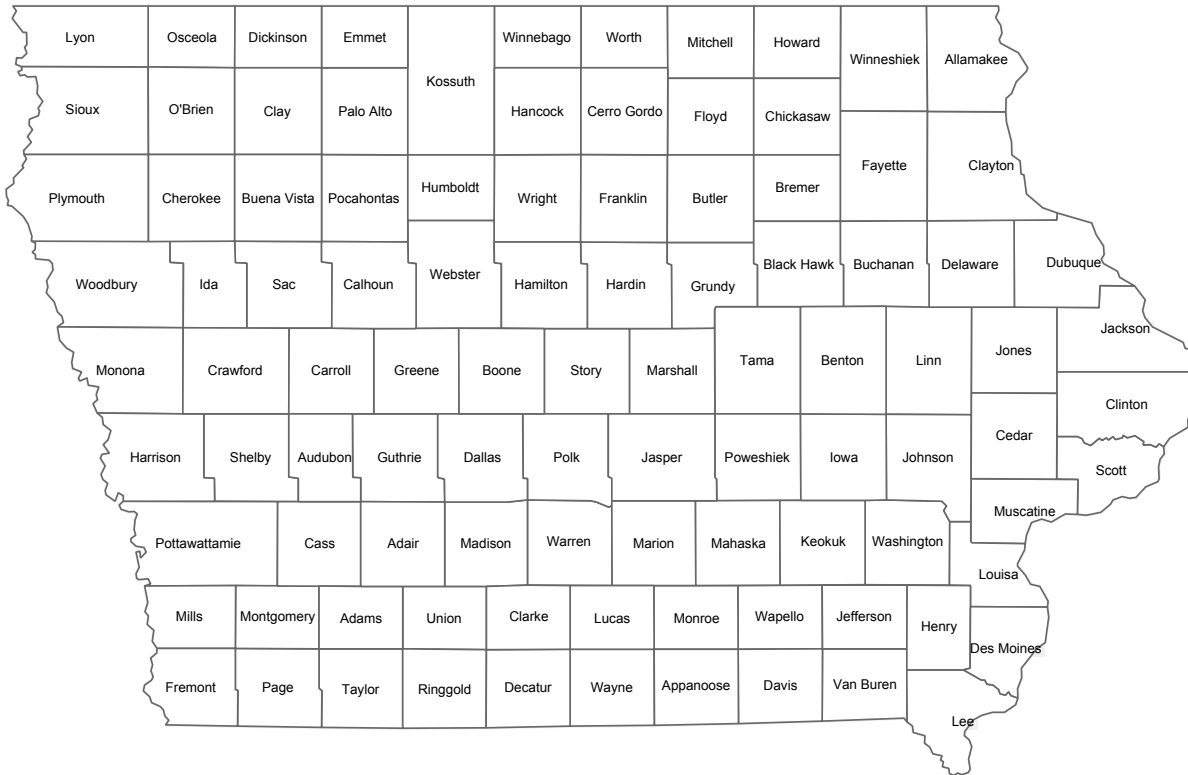
Hospitalization data is collected from the IDSS database. In some instances, cases may have been hospitalized for reasons other than the disease indicated.

Forecasting was done using Tableau forecast models.

Rates were calculated using the April 1, 2010 estimated census population for the State of Iowa.

Iowa County Boundaries and Population

2010 Census Data



April 1, 2010 population estimates

Adair	7,682	Floyd	16,303	Monona	9,243
Adams	4,029	Franklin	10,680	Monroe	7,970
Allamakee	14,330	Fremont	7,441	Montgomery	10,740
Appanoose	12,887	Greene	9,336	Muscatine	42,745
Audubon	6,119	Grundy	12,453	O'Brien	14,398
Benton	26,076	Guthrie	10,954	Osceola	6,462
Black Hawk	131,090	Hamilton	15,673	Page	15,932
Boone	26,306	Hancock	11,341	Palo Alto	9,421
Bremer	24,276	Hardin	17,534	Plymouth	24,986
Buchanan	20,958	Harrison	14,928	Pocahontas	7,310
Buena Vista	20,260	Henry	20,145	Polk	430,640
Butler	14,867	Howard	9,566	Pottawattamie	93,158
Calhoun	9,670	Humboldt	9,814	Poweshiek	18,914
Carroll	20,816	Ida	7,089	Ringgold	5,131
Cass	13,956	Iowa	16,355	Sac	10,350
Cedar	18,499	Jackson	19,848	Scott	165,224
Cerro Gordo	44,151	Jasper	36,842	Shelby	12,167
Cherokee	12,072	Jefferson	16,843	Sioux	33,704
Chickasaw	12,439	Johnson	130,882	Story	89,542
Clarke	9,286	Jones	20,638	Tama	17,767
Clay	16,667	Keokuk	10,511	Taylor	6,317
Clayton	18,129	Kossuth	15,543	Union	12,534
Clinton	49,116	Lee	35,862	Van Buren	7,570
Crawford	17,096	Linn	211,226	Wapello	35,625
Dallas	66,135	Louisa	11,387	Warren	46,225
Davis	8,753	Lucas	8,898	Washington	21,704
Decatur	8,457	Lyon	11,581	Wayne	6,403
Delaware	17,764	Madison	15,679	Webster	38,013
Des Moines	40,325	Mahaska	22,381	Winnebago	10,866
Dickinson	16,667	Marion	33,309	Winneshiek	21,056
Dubuque	93,653	Marshall	40,648	Woodbury	102,172
Emmet	10,302	Mills	15,059	Worth	7,598
Fayette	20,880	Mitchell	10,772	Wright	13,229

Case Counts for June 2018

Confirmed, Probable, and Suspect Cases

Note: Only counties with cases in June are displayed in the table.

	Anaplasmosis/ Ehrlichiosis	Campylobacteriosis	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Giardiasis	Hepatitis B (acute and chronic)	Legionellosis	Lyme	Malaria	Mumps	Pertussis	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Grand Total
Adair		1															1
Allamakee		10		1		1				1							13
Appanoose		1				1									1		3
Audubon							1								1		2
Benton		1		1		2										1	5
Black Hawk					1	1			1						3	1	7
Boone		3		1											1		5
Bremer															1		1
Buchanan				1		1									1		3
Buena Vista		1		1		1									1	1	5
Butler															1		1
Calhoun		1													3		4
Carroll		2															2
Cedar		1				1											2
Cerro Gordo				1													1
Cherokee							1										1
Clarke		1		1												1	3
Clay		1															1
Clayton		2				1				2							5
Clinton		2		2					1								5
Crawford		3		1		1					2						7
Dallas		2								1					2		5
Davis		1															1
Delaware		5		5		2	2								1		15
Des Moines				1		1	1		1							1	5
Dickinson				1													1
Dubuque		7		4						4	1				1	1	18
Fayette		1				1									3		5
Floyd		1															1
Franklin		1															1
Greene						1											1
Grundy		1															1
Guthrie		2		1													3
Hamilton		2								1							3
Hancock		1															1
Hardin		2															2
Harrison															1		1
Henry										1					1		2
Howard															1		1
Humboldt		5			1										1		7
Ida		2															2
Iowa		1				1				1							3
Jackson		4		1		2		1		1							9
Jasper				1		2	1			1					1		6
Jefferson		1															1
Johnson	1	6		3	1	5	2	1		11					2		32
Jones				1		1				1							3
Keokuk						1											1
Lee										1							1
Linn		8		6	2	3			1	7	1		1		12		41
Louisa															2		2
Lucas		2															2
Lyon		4		2		2											8
Madison						2											2
Mahaska							1										1
Marion		3								1					2		6
Marshall			1			1		1							2		5
Mills		1															1
Mitchell		1			2	2									1		6
Monona		1															1
Monroe	1																1
Muscatine								1		1					2		4
O'Brien		1															1
Osceola		3		1		3											7
Plymouth		3		1		2									1		7
Pocahontas		2													1		3
Polk		22		5		4	3	2		3		1		1	12	1	54
Pottawattamie		1						1							3		5
Poweshiek		2															2
Ringgold		2															2
Sac		1		1		2											4
Scott		1		1		1				1					3		7
Sioux		3		4		4							1		1	1	14
Story		2		1		2									1		6
Tama		3								1					1		5
Taylor															1		1
Union		1				1											2
Wapello		1															1
Warren		1				2	1								2		6
Washington		2													1		3
Wayne						1	2										3
Webster		6		2		1									2		11
Winnebago						2									1		3
Winneshiek		4		1	1	1	1			1							9
Woodbury		5		3		2	1	2							4		17
Wright		8													2		10
Grand Total	2	169	1	56	8	65	17	9	4	41	4	1	2	1	84	8	472

YTD Case Counts

(Counties A-J)

Confirmed, Probable, and Suspect Cases

	Anaplasmosis/ Ehrlichiosis	Campylobacteriosis	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Giardiasis	Hansen's disease	Hemolytic uremic syndrome	Hepatitis A	Hepatitis B (acute and chronic)	Legionellosis	Listeria	Lyme	Malaria	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Typhoid fever	Grand Total
Adair		4		3		2														2			11
Adams		1																					1
Allamakee		14		5		1	1							5						8			34
Appanoose		4		2		2												1		3			12
Audubon		1					2													2			5
Benton		3		2		5	2					1					1			9	1		24
Black Hawk		4			1	3				3	1			2	1	3	1			16	4		39
Boone		7		5		2								1						7			22
Bremer		1									1						1			6	1		10
Buchanan		2		4		2	1							2		1				2			14
Buena Vista		5	2	2		1	2				2									7	2		23
Butler		1																		6			7
Calhoun		6				5					1					1				4			17
Carroll		4		5		2														3			14
Cass		1		3							1			1									7
Cedar		2				1	1				1			1					1	2			8
Cerro Gordo		10	1	1							1						20			12			45
Cherokee	1	1		1			1													1			5
Chickasaw		1												1						3			5
Clarke		10		5		3											1			1	1		21
Clay		3					2													5			10
Clayton		5		4	1	4	1				1			3			5			4			28
Clinton		4		5							2	2					1	1		8			23
Crawford		5		4		1				1	4				2					1			18
Dallas		16		5	4	5	2				1			2		1				15	3		54
Davis		1																		1			2
Decatur							1																1
Delaware		16		10		3	3													8			40
Des Moines		7		8		2	1					1								11	1		31
Dickinson		2		2										1						1			6
Dubuque	1	24		10		9	4	1	1		2	2		16	1	1	3			14	4		93
Emmet	1																		1	3			5
Fayette		5		1		1								1			17			4			29
Floyd		2			1	1	1													1			6
Franklin		5																		4			9
Fremont						1																	1
Greene		6				1														5			12
Grundy		2																		2			4
Guthrie		5		2							1									1	1		10
Hamilton		3		1										1			1			2			8
Hancock		2					1													1			4
Hardin		3				1														1			5
Harrison		1																		1			2
Henry				1										1						3			5
Howard		6																		4			10
Humboldt		9			1	3										1				1			15
Ida		5		1																1			7
Iowa		2		3		3								1						2			11
Jackson		8		4		2	2				1			2		2				8			29
Jasper		7		5		2	5							1						10			30
Jefferson		3					1				1			1	1		3			1			11
Johnson	1	21		5	1	18	9				7		1	19	2	1	2			18		1	106
Jones		7		15		1	2							1				1		6			33

YTD Case Counts (Counties K-W)

Confirmed, Probable, and Suspect Cases

	Anaplasmosis/ Ehrlichiosis	Campylobacteriosis	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Giardiasis	Hansen's disease	Hemolytic uremic syndrome	Hepatitis A	Hepatitis B (acute and chronic)	Hepatitis D	Legionellosis	Listeria	Lyme	Malaria	Meningococcal invasive disease	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Typhoid fever	Total	
Keokuk		2				1															1				4	
Kossuth		3																					3			6
Lee		1	3	1									1		1							1	5			13
Linn		36		11	3	11	1			1	9	1	2	1	19	1		2	5			1	85	1		190
Louisa		1																			1		3			5
Lucas		6		5			1																3			15
Lyon		8		6		2					1												3			20
Madison		2		2		5	3																8			20
Mahaska		2				2	1																5			10
Marion	1	8		2			1								1		1						5			19
Marshall		1	1	1		3	1				3				1								9			20
Mills		5		1			1																2	1		10
Mitchell		4		5	2	4																	4			19
Monona		1		1							1															3
Monroe	2			1		1	1								1								1			7
Montgomery		1																					5			6
Muscatine		8									2		2		1	1		1					9	1		25
O'Brien		7		1																		1	3			12
Osceola		8		2		3																		1		14
Page																							2			2
Palo Alto		2					1							1												4
Plymouth		4		10		2	1																8			25
Pocahontas		7									1												2			10
Polk		142	1	26	12	27	20			1	31	1			5	4		4	3		1	88	9	1		376
Pottawattamie		10		2		1	2				2												12			29
Poweshiek		2				1	2				1								1				3			10
Ringgold		4		2		1	1																1			9
Sac		7		10		3	1				1												2			24
Scott		13		2		12				1	3				3				5				21	9		69
Shelby		3		2																			8			13
Sioux		17		14		8	1												1				16	1		58
Story		12		3	4	3	2				2				1	1		1					14	2		45
Tama		7		1		1									2								7			18
Taylor			1			1																	2			4
Union		3		1		1					1												8	1		15
Van Buren	1	2				1	1														1					6
Wapello		6		5		1					2			1									5			20
Warren		7		4		3	1				1		1		1				1				16			35
Washington		3		1			1				1				1					4			6			17
Wayne						1	2																2			5
Webster		14		4		5					1				3								16			43
Winnebago		2				2																	2			6
Winneshiek		7		1	1	1	1				2				4											17
Woodbury		15	1	21		3	2				9					1							18			70
Worth		1																								1
Wright		14	1			2																	4			21
Grand Total	8	675	11	272	31	199	94	1	1	5	103	2	13	4	107	15	1	20	76	5	8	656	43	2	2352	

Case Counts for July 1, 2017 - June 30, 2018 (Counties A-E)

Confirmed, Probable, and Suspect Cases

	Anaplasmosis/Ehrlichiosis	Brucellosis	Campylobacteriosis	Chikungunya	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Giardiasis	Haemophilus influenzae type b	Hansen's disease	Hemolytic uremic syndrome	Hepatitis A	Hepatitis B (acute and chronic)	Legionellosis	Listeria	Lyme	Malaria	Meningococcal invasive disease	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Tularemia	West Nile virus	Grand Total
Adair			6			3		2													2			4				17
Adams			1					1																				2
Allamakee	4		20			14		3	1								7							13			1	63
Appanoose			9			4		3						1								1	1	5				24
Audubon			2					1	2															3				8
Benton	1		12			11		9	2					1	2		7				6	1		13	2			67
Black Hawk			9	1		3	1	3	5					10	3		7	1	1	6	14			27	5			96
Boone		1	16			6		5	1	1		1					1							16				48
Bremer			3					1						2			1			1	2			8	1			19
Buchanan			8		2	7		5	6	1							2			2				8				41
Buena Vista			18		2	8		2	2			1		4			1							8	9		1	56
Butler			1						1															7				9
Calhoun			13				1	9						1						1			1	7	1			34
Carroll			9			8		7														1		10				35
Cass			3			3		1	1					2			1						1	3				15
Cedar			5			3		4	1					1			3							6	1			24
Cerro Gordo	1		20		3	5		3	1					2		1	2				20			13				71
Cherokee	1		1			1		2	1							1	1							4				12
Chickasaw			3		1	1									1		1							5				12
Clarke			18			7		4	1													1		5	2			38
Clay			6			1			2					1										6				16
Clayton	1		11		1	18	1	6	1			1		1		14				1	5		6				67	
Clinton			19		1	7		1						4	3					2	1			17				55
Crawford			14			5		5	1				1	4				2						2	1			35
Dallas	1		36		1	26	4	11	6					4			3			1	7		1	30	8			139
Davis			2			1							1											1				5
Decatur			1			1		1	2																1	1		7
Delaware			25			16		7	4								1			1	1			13				68
Des Moines	1		13			11		7	1				2		1									15	3			54
Dickinson			7			4		1						1			1							2				16
Dubuque	2		49		3	31	1	21	13			1	1	4	4		33	1		2	3		1	30	5			205
Emmet	1		1			2		1							1								1	3				10

Case Counts for July 1, 2017 - June 30, 2018

(Counties F-L)

Confirmed, Probable, and Suspect Cases

	Anaplasmosis/Ehrlichiosis	Campylobacteriosis	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Giardiasis	Hepatitis A	Hepatitis B (acute and chronic)	Hepatitis D	Lacrosse	Legionellosis	Listeria	Lyme	Malaria	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Tetanus	Typhoid fever	West Nile virus	Zika virus	Grand Total
Fayette		7		1		3	2		2					4			17			9						45
Floyd		9			1	1	1							2						5						19
Franklin		5	1			2	1									1				5	2					17
Fremont		1				1													1		1					4
Greene		14				5	1													6						26
Grundy		2												1		1				7						11
Guthrie		9		3		2	1		1							1	2			5	1					25
Hamilton		6		3		2								1			1			2	1					16
Hancock		4	1	5			1													5						16
Hardin	1	9				3	1							1						3						18
Harrison	1	2													1				1	2						7
Henry		2		1			1							1						7						12
Howard		8		1					1											4		1				15
Humboldt		12		1	1	3	1										1			2						21
Ida		6		2																1						9
Iowa	1	6		5		5	1							1				1		2						22
Jackson		17	1	6		7	5		1					5		2	3			10						57
Jasper		20	2	9		6	6		1					2	1					16						63
Jefferson	1	7		2	1		2		2					1	2		3			2						23
Johnson	2	45	1	14	3	33	17		17			1	1	36	4	3	17			38	2		1			235
Jones		15	3	19		6	5		1					3				1		7						60
Keokuk		6		4		2											1	1	1	2						17
Kossuth		6	1	1		2	2		1											3						16
Lee		5	15	4		2	1					1		1					1	8	3					41
Linn		69	6	36	3	26	20	1	21	1		2	1	37	2	4	13		1	120	4			1		368
Louisa		3				1	1		1									1		3					1	11
Lucas		15		8		4	2				1							1		3						34
Lyon		11		9		7	1		1											9				2		40

Case Counts for July 1, 2017 - June 30, 2018 (Counties M-W) Confirmed, Probable, and Suspect Cases

	Anaplasmosis/Ehrlichiosis	Babesiosis	Brucellosis	Campylobacteriosis	Chikungunya	CRE	Cryptosporidiosis	Cyclosporiasis	Dengue	E. coli (STEC)	Giardiasis	Haemophilus influenzae type b	Hansen's disease	Hemolytic uremic syndrome	Hepatitis A	Hepatitis B (acute and chronic)	Hepatitis D	Hepatitis E	Lacrosse	Legionellosis	Listeria	Lyme	Malaria	Meningococcal invasive disease	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Tetanus	Tularemia	Typhoid fever	West Nile virus	Zika virus	Grand Total			
Madison				11			9			8	4																											42	
Mahaska				7			1			4	2																												23
Marion	1			13			4			2	1											2		1		1												32	
Marshall				8	2	2	3			5	3					8	1			1		3								13								49	
Mills				7			4			1	1									1									2	2								18	
Mitchell				16	1	10	2			6	2																		6									43	
Monona				1		1					1					1														1								5	
Monroe	2			1		2				4	1											1				2			3									16	
Montgomery				4																																		9	
Muscatine				19	3	1		1	12		1					4		1		2		3	1		1	1			14	24							88		
O'Brien				14	1	2					1																		1	5								24	
Osceola				9		3				3																			1	1					1			18	
Page				4		1					1																											11	
Palo Alto				11						1	1											1																15	
Plymouth				8	2	18				6	4																			9								47	
Pocahontas				11		2				5				1		1														5								25	
Polk				243	8	69	17	1	62	53					3	78	3			2		19	8		6	22	1	3	141	27				1	1		768		
Pottawattamie				18		6		1	4	5						5				2		1				4	1	21	1							1		70	
Poweshiek				6		1			3	2						1										1	1	6							1			22	
Ringgold				6		4				2	1											1								1								15	
Sac				13		12				4	4					1														4								38	
Scott	1			38	4	8		21	10						1	8				2		11		1		36		32	48									221	
Shelby				6		7			3					1													1		15									33	
Sioux				30		33	2		9	4						1						1				1	1		27	2								111	
Story	2			35	1	13	5		7	10						5				1		4	3		2				25	5					1		119		
Tama				9		4				1													3		1				14	3								35	
Taylor						1				1																				2								4	
Union				11		3				5	1					1													9	1								31	
Van Buren	1			8		2				2	1																1		1									16	
Wapello				16		7				5						6	1				1		1			1			8									46	
Warren		1		19	2	11				7	7					3				1		1			1	3		1	24	1								82	
Washington				10		3				1	2					1						1					7		9									34	
Wayne											2																												7
Webster				18		4		1	7	3						1							5		1				22									62	
Winnebago	2			3		2				2													1						3									13	
Winneshiek				15	1	9	1			1	1					2		1							1				4									48	
Woodbury	1			24	4	34		1	6	9						18						1	1			3		1	26	1					1		131		
Worth				3		1	4			2																													10
Wright				20		2	1			3																													35
Grand Total	29	1	1	1377	1	78	638	47	5	465	266	2	1	6	10	237	6	2	1	31	6	252	28	3	49	197	10	21	1074	171	1	2	2	11	1	5032			

Campylobacter

169

Cases in June

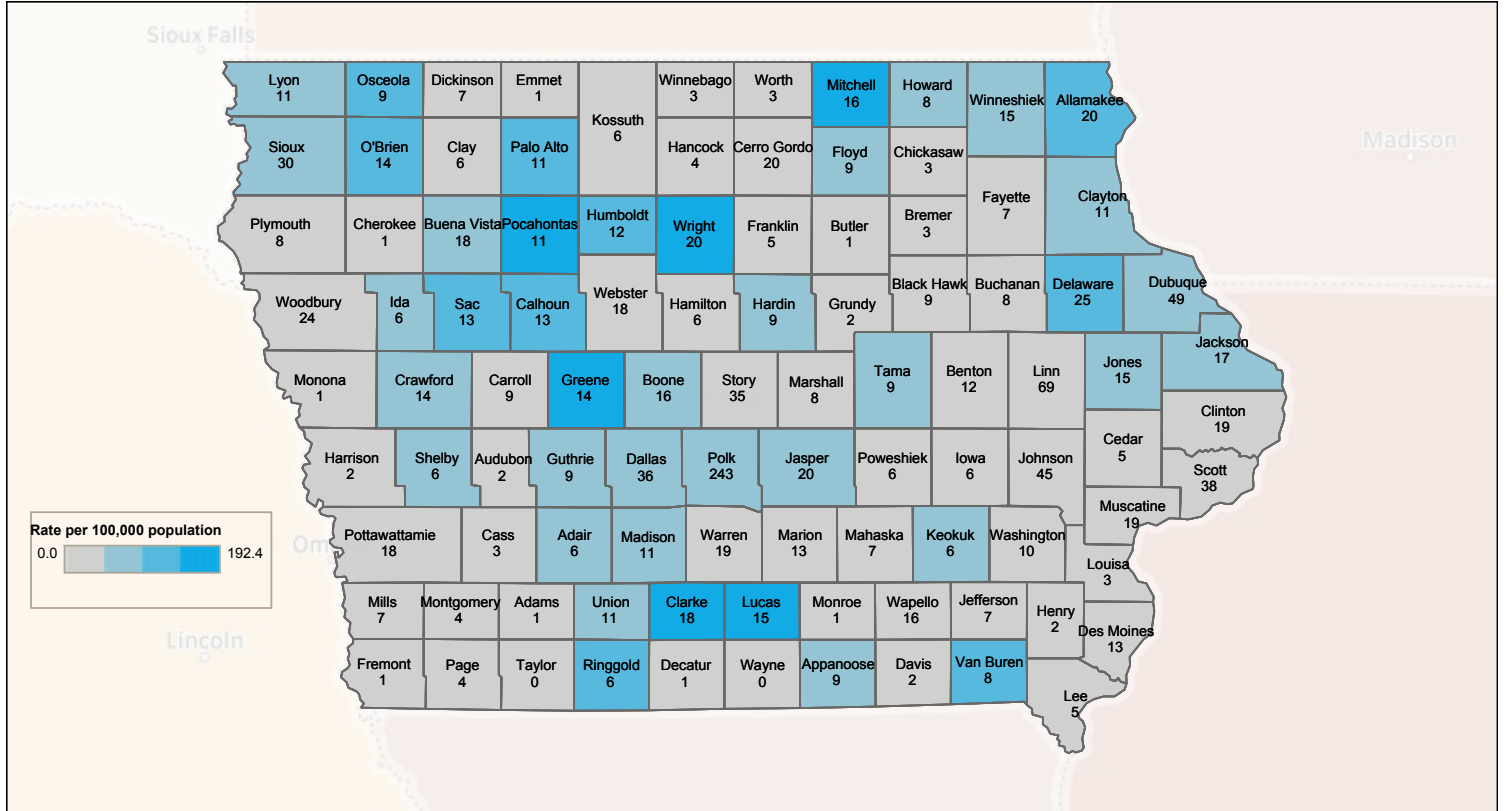
1,377

Cases in the last 12 months

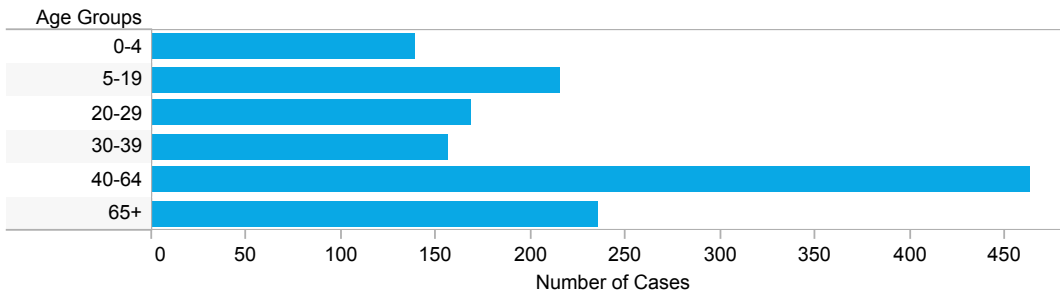
+81%

Change from previous 5 year average

Reported campylobacteriosis cases and incidence rates per 100,000 population by county of residence for the past 12 months



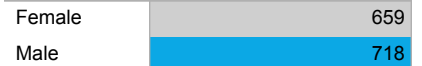
Campylobacteriosis cases by age in the past 12 months.



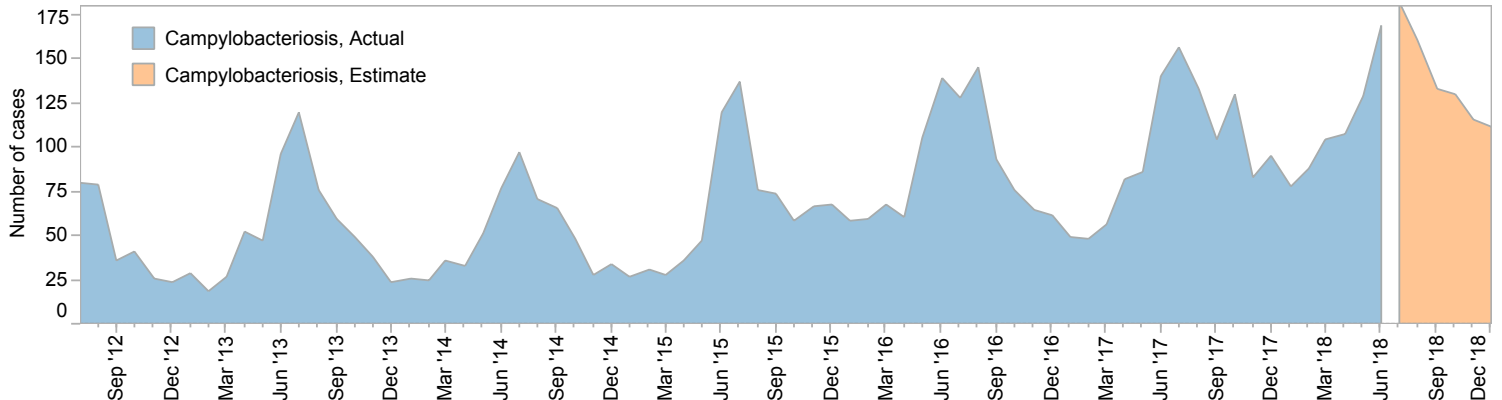
10%

of *Campylobacter* cases were hospitalized in the past 12 months

Campylobacteriosis cases by gender in the past 12 months



Reported campylobacteriosis cases by date of onset or first lab report and 6 month forecast



Cryptosporidium

56

Cases in June

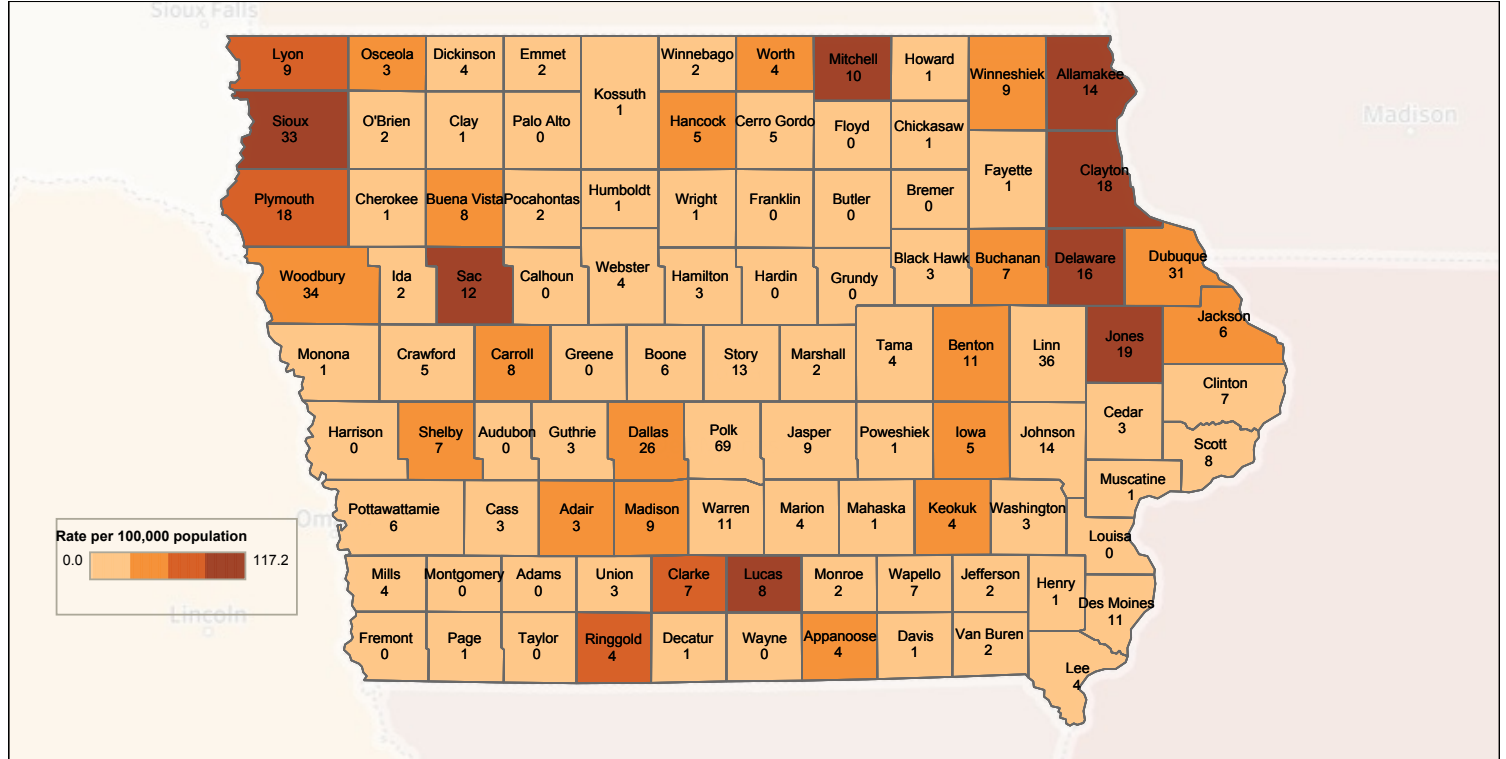
638

Cases in the last 12 months

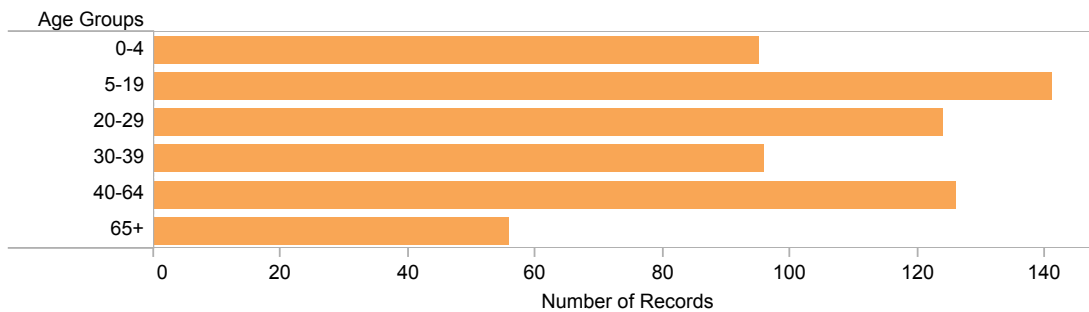
-3%

Change from previous 5 year average

Reported cryptosporidiosis cases and incidence rates per 100,000 population by county of residence for the past 12 months



Cryptosporidiosis cases by age past 12 months



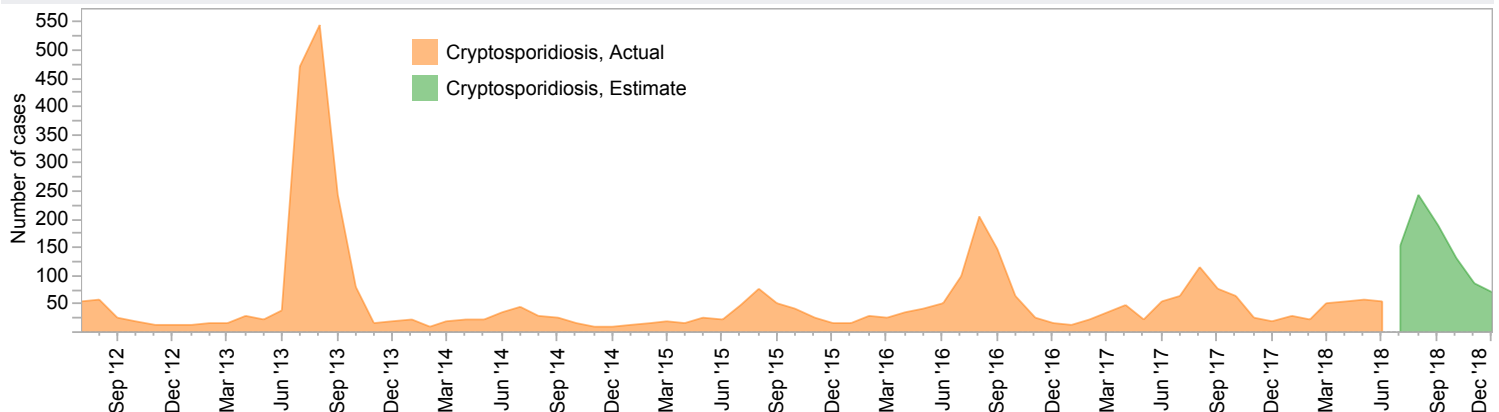
12%

of *Cryptosporidium* cases were hospitalized in the past 12 months

Cryptosporidiosis cases by gender past 12 months



Reported cryptosporidiosis cases by date of onset or first lab result and 6 month forecast



E. coli (STEC)

65

Cases in June

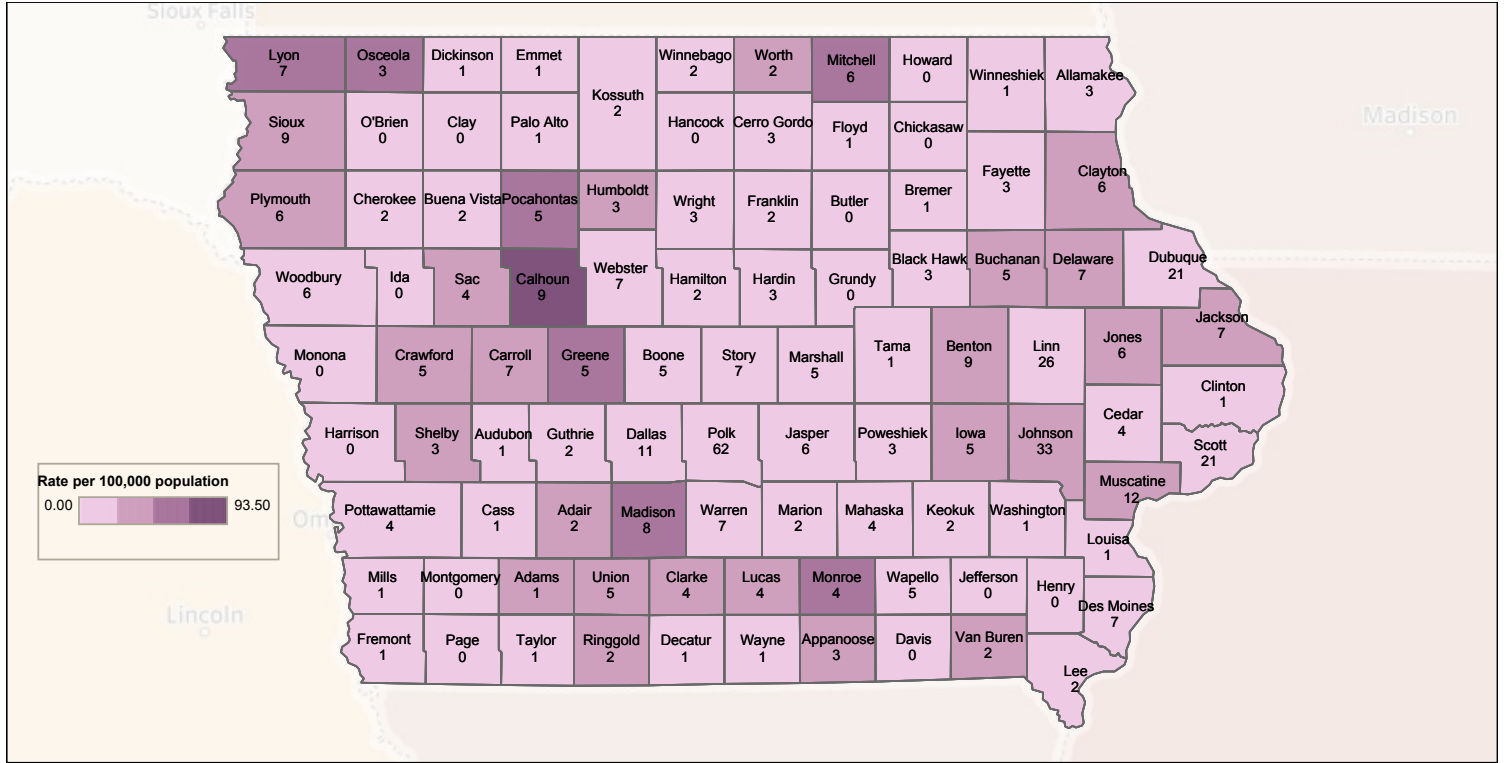
465

Cases in the last 12 months

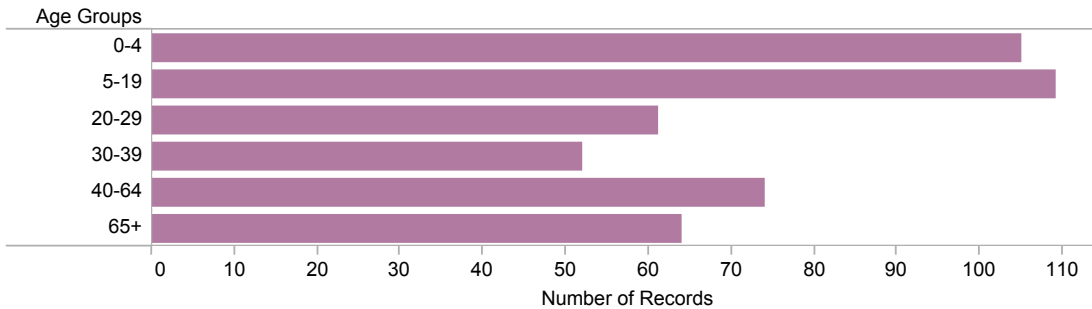
+117%

Change from previous 5 year average

Reported E. coli (STEC) cases and incidence rates per 100,000 population by county of residence for the past 12 months



E. coli cases by age past 12 months. Almost half of all cases occur in the 0-19 age groups.



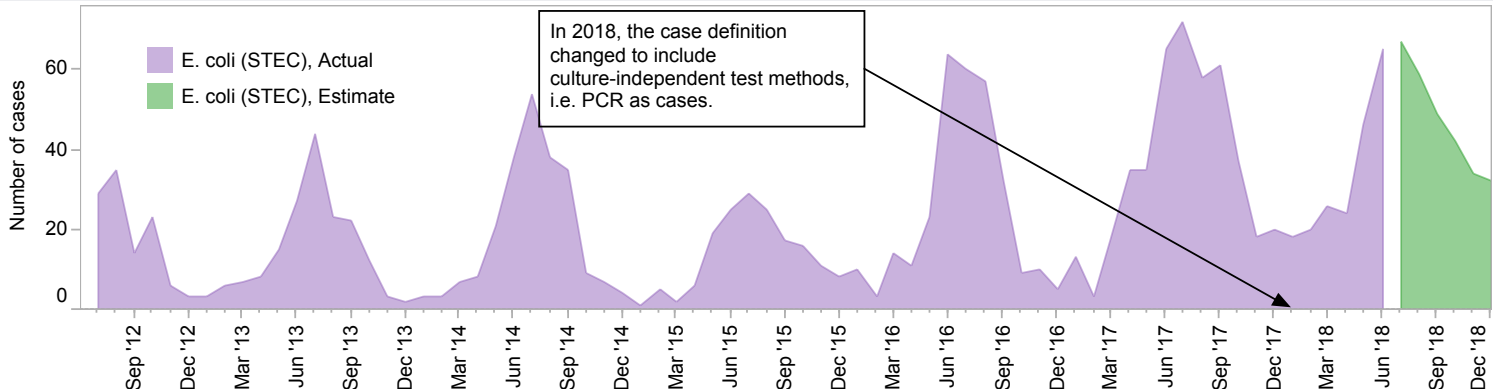
21%

of E. coli (STEC) cases were hospitalized in the past 12 months

E. coli cases by gender past 12 months

Female	245
Male	220

Reported E. coli (STEC) cases by date of onset or first lab result and 6 month forecast



Giardia

17

Cases in June

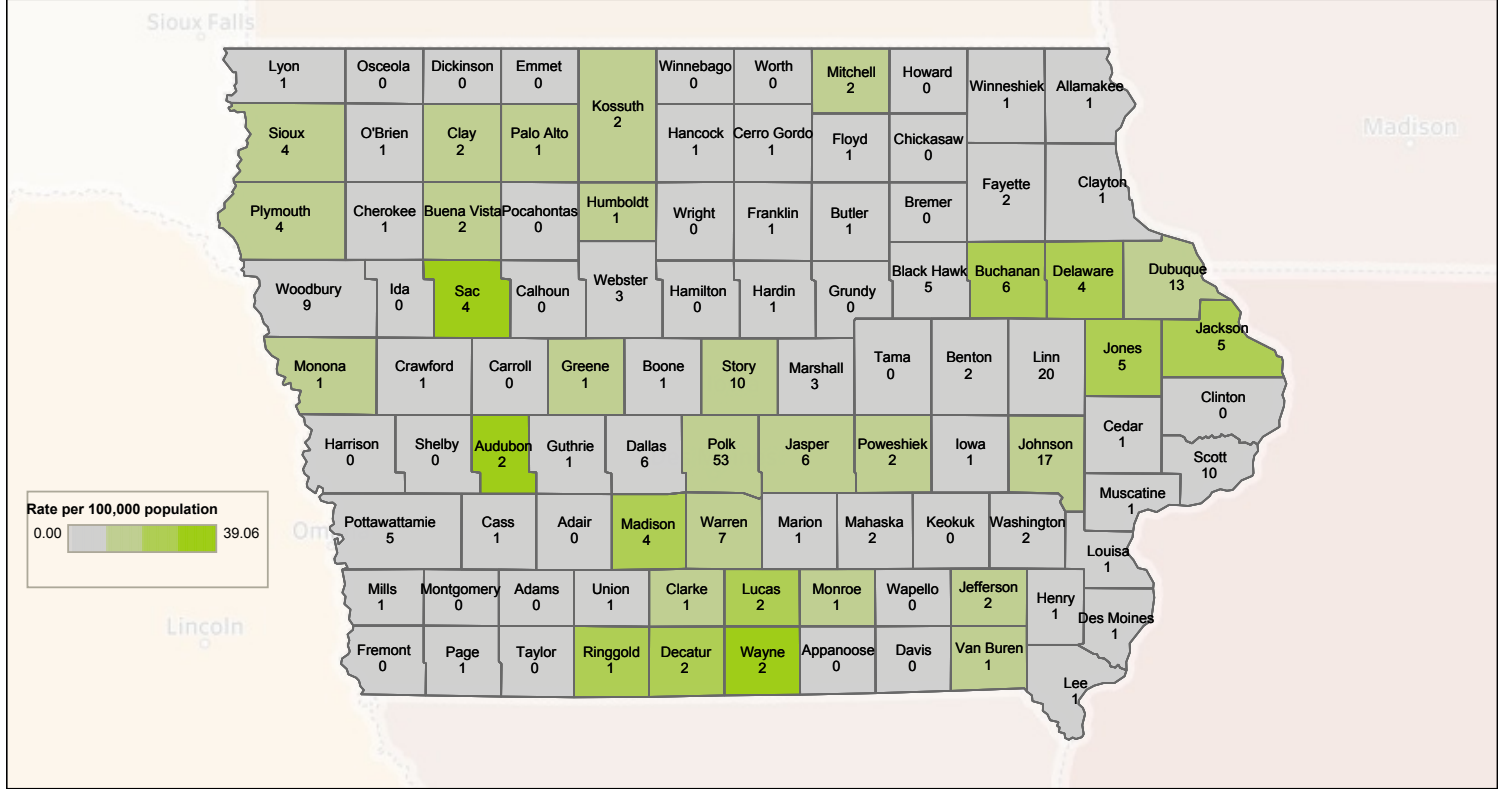
266

Cases in the last 12 months

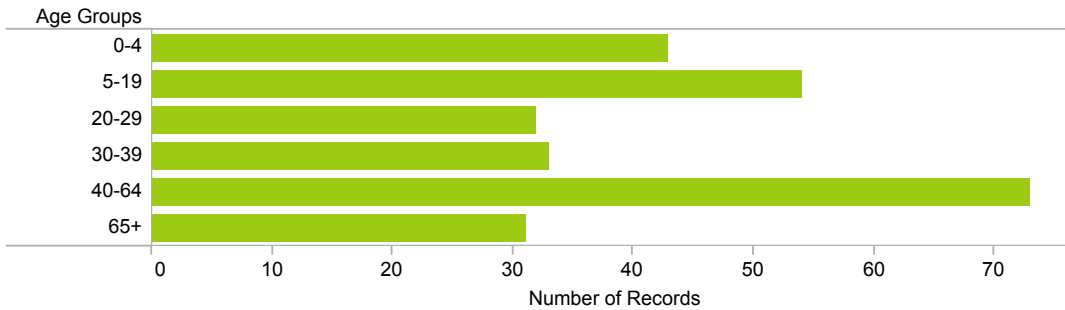
+9%

Change from previous 5 year average

Reported giardiasis cases and incidence rates per 100,000 population by county of residence for the past 12 months



Giardiasis cases by age past 12 months.



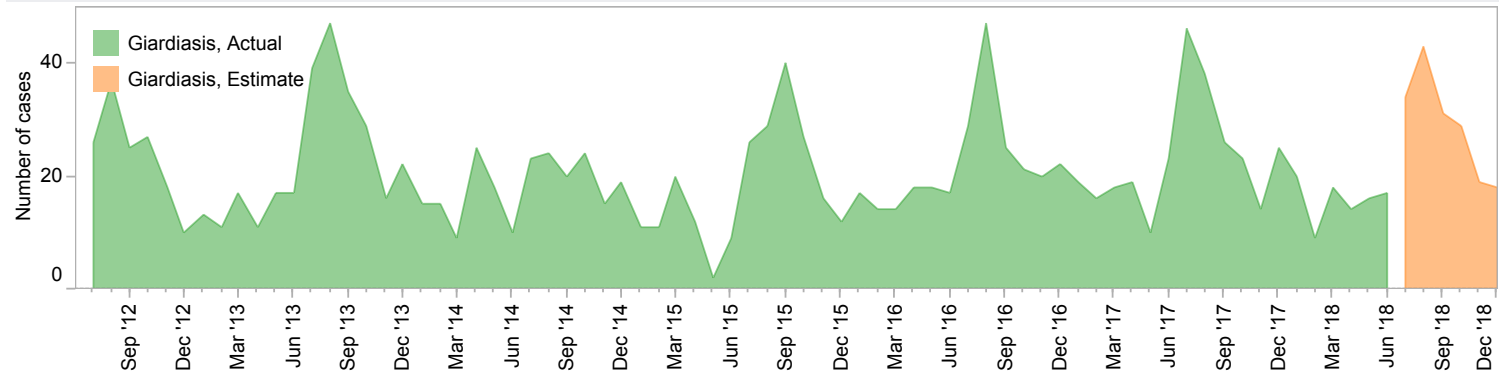
11%

of *Giardia* cases were hospitalized in the past 12 months

Giardiasis cases by gender past 12 months

Female	119
Male	147

Reported giardiasis cases by date of onset or first lab result and 6 month forecast



Lyme disease

41

Cases in June

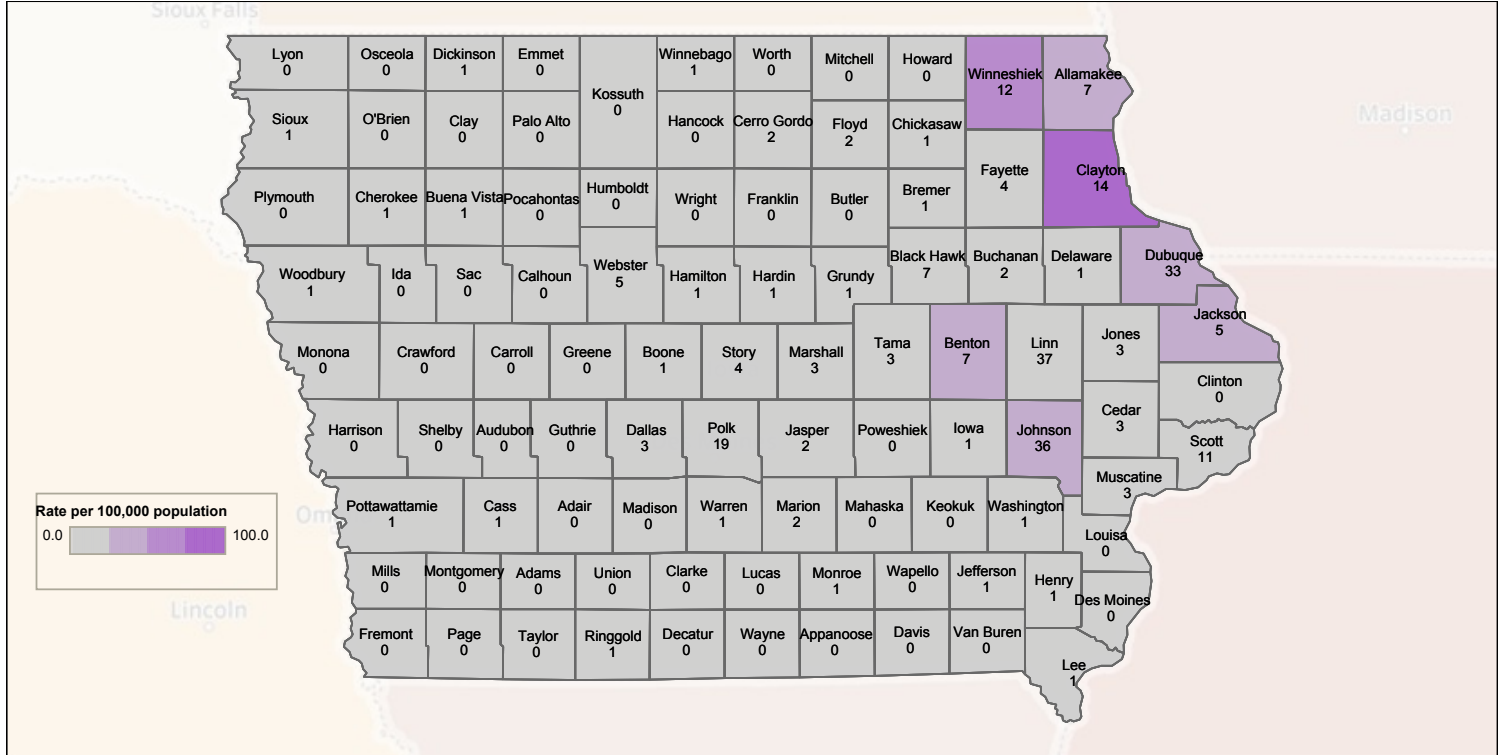
252

Cases in the last 12 months

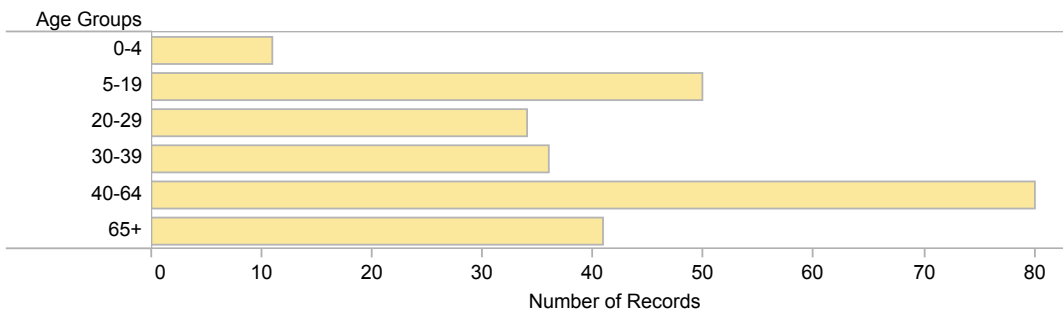
+5%

Change from previous 5 year average

Reported lyme disease cases and incidence rates per 100,000 population by county of residence for the past 12 months



Lyme disease cases by age past 12 months.



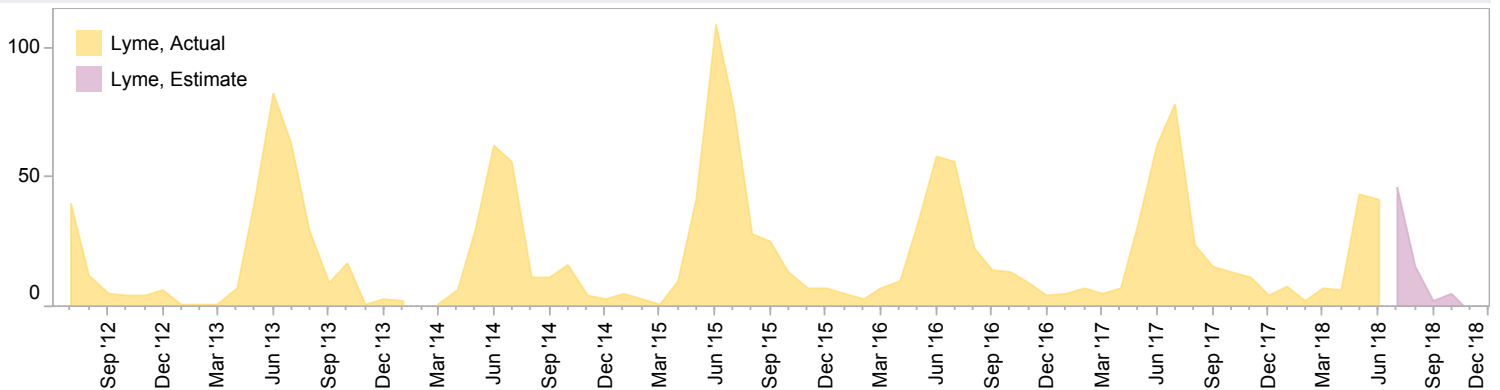
12%

of Lyme disease cases were hospitalized in the past 12 months

Lyme disease cases by gender past 12 months



Reported lyme disease cases by date of onset or first lab result and 6 month forecast



Mumps

1

Cases in June

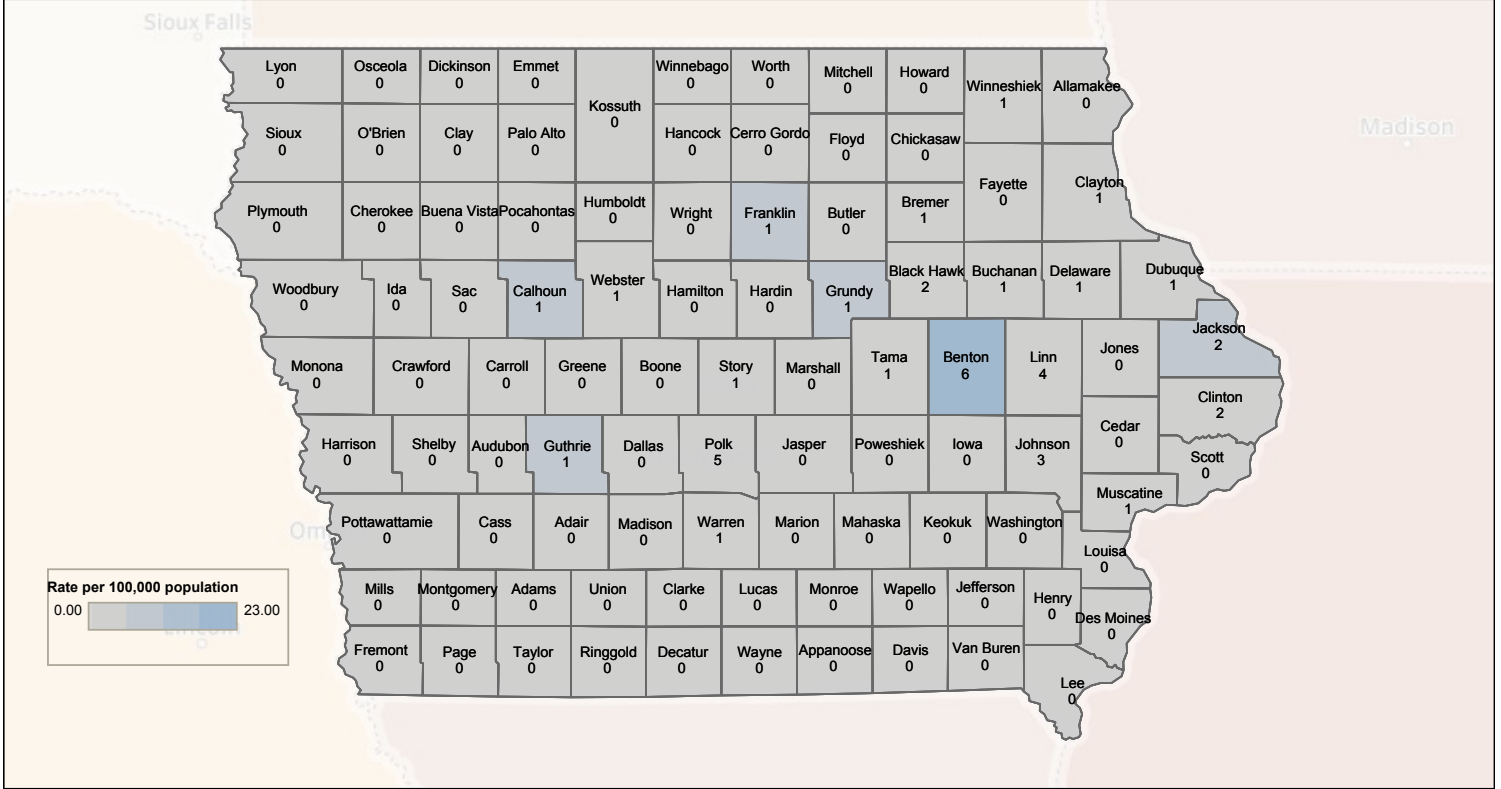
49

Cases in the last 12 months

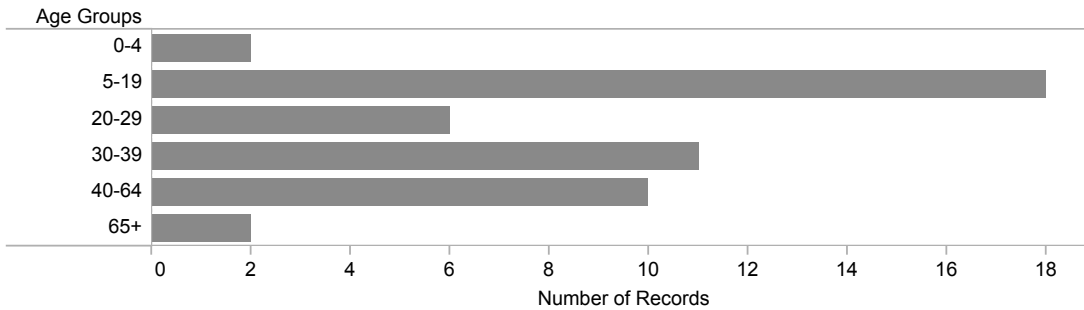
0%

Change from previous 5 year average

Reported mumps cases and incidence rates per 100,000 population by county of residence for the past 12 months



Mumps cases by age past 12 months.



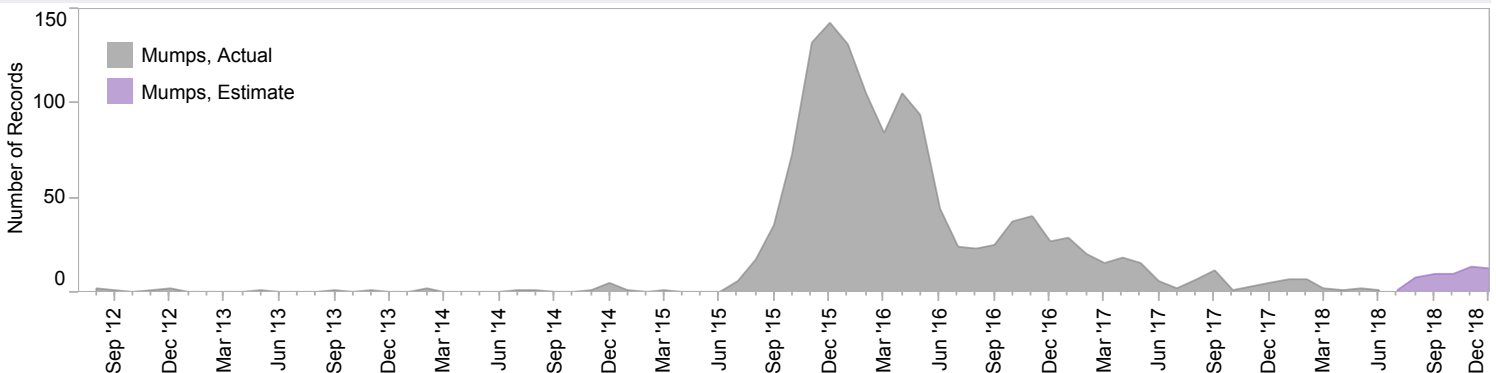
2%

of mumps cases were hospitalized in the past 12 months

Mumps cases by gender past 12 months

Female	23
Male	26

Reported mumps cases by date of onset or first lab result and 6 month forecast



Pertussis

2

Cases in June

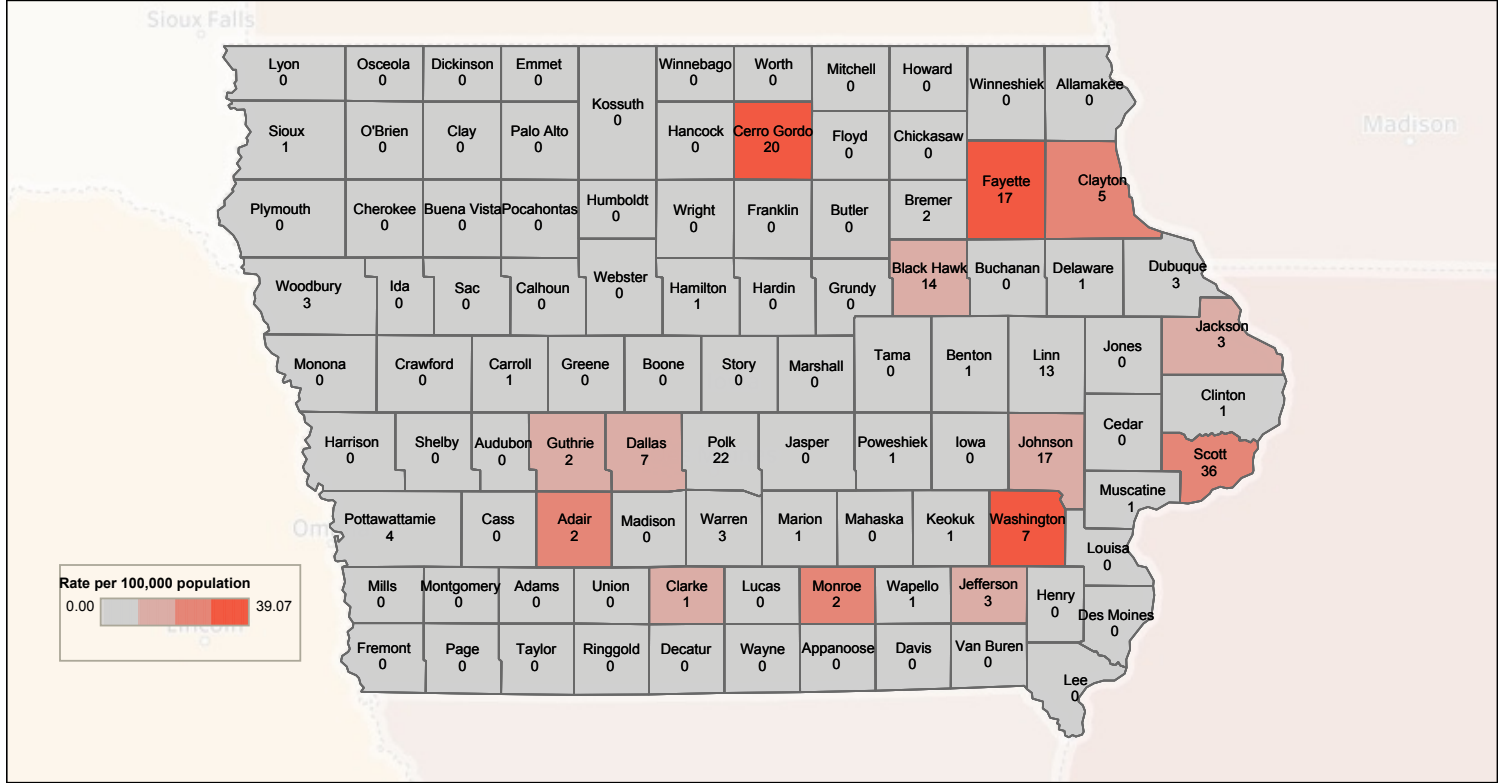
197

Cases in the last 12 months

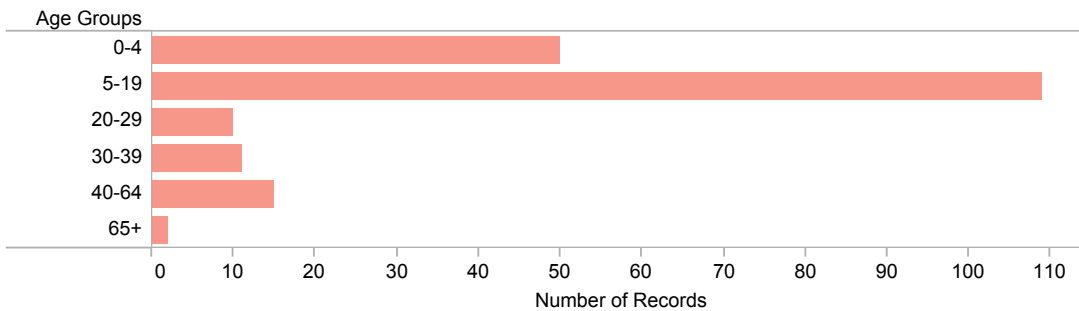
-44%

Change from previous 5 year average

Reported pertussis cases and incidence rates per 100,000 population by county of residence for the past 12 months



Pertussis cases by age past 12 months.



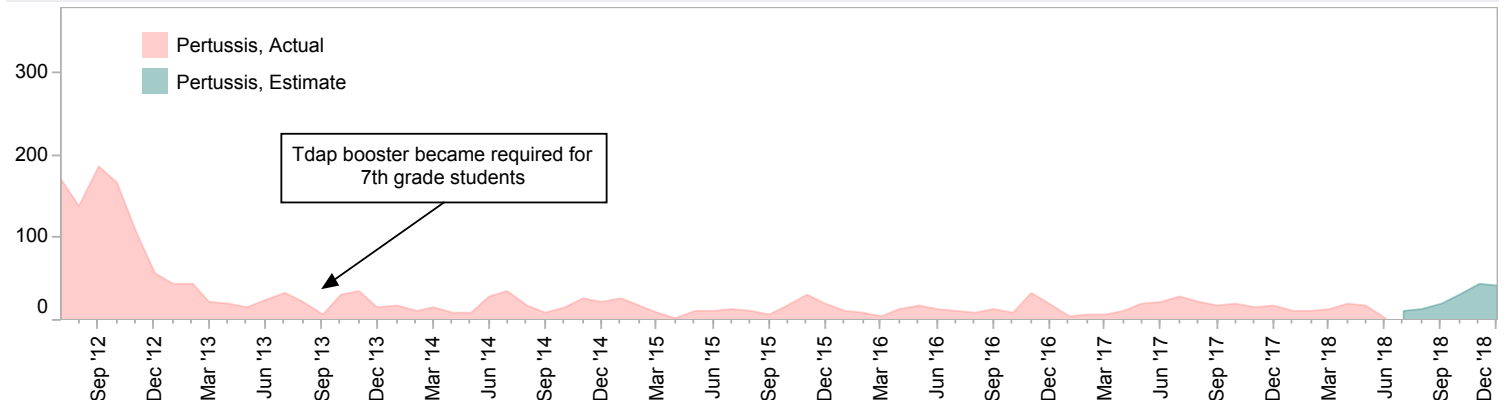
2%

of pertussis cases were hospitalized in the past 12 months

Pertussis cases by gender past 12 months

Female	108
Male	89

Reported pertussis cases by date of onset or first lab result and 6 month forecast



Salmonella

84

Cases in June

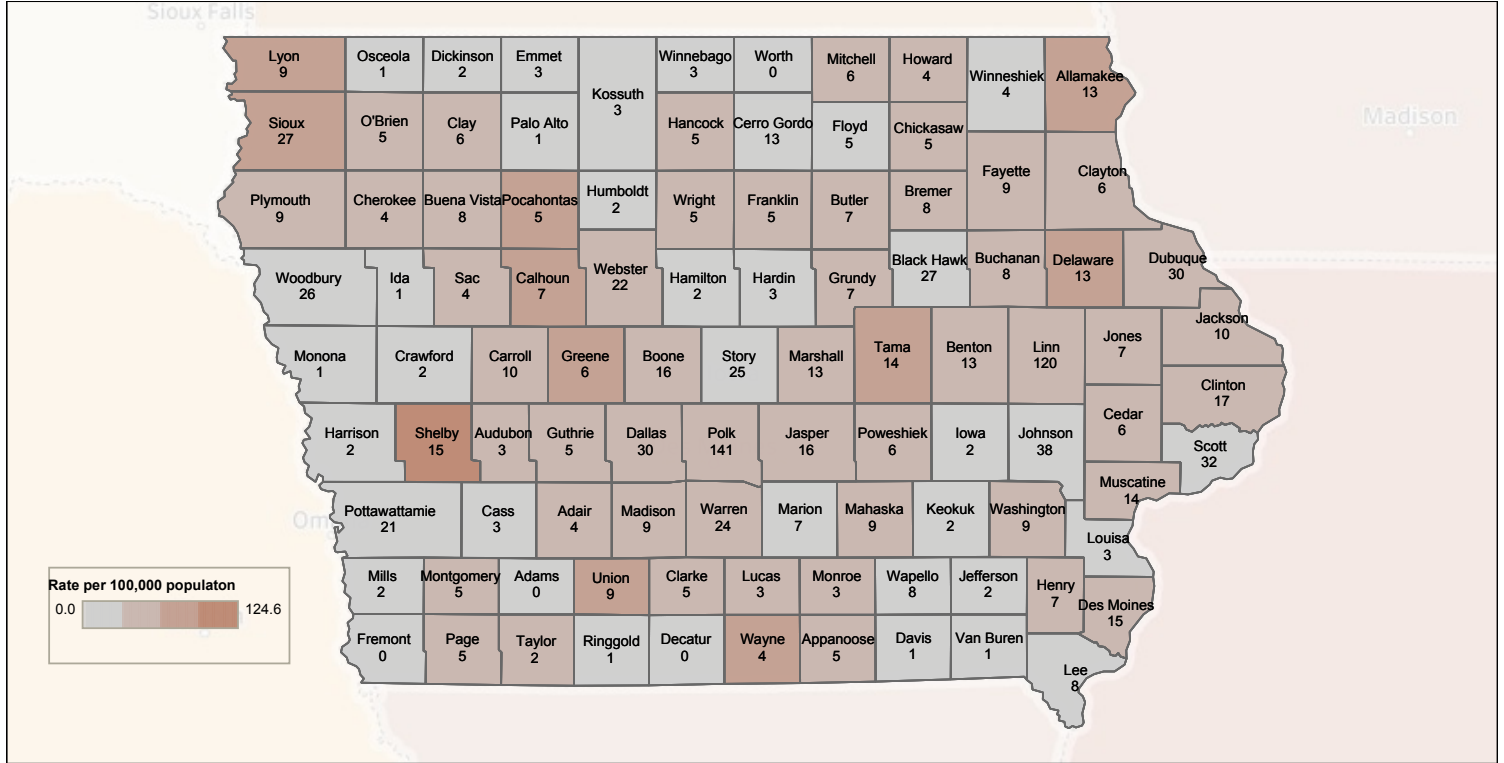
1,074

Cases in the last 12 months

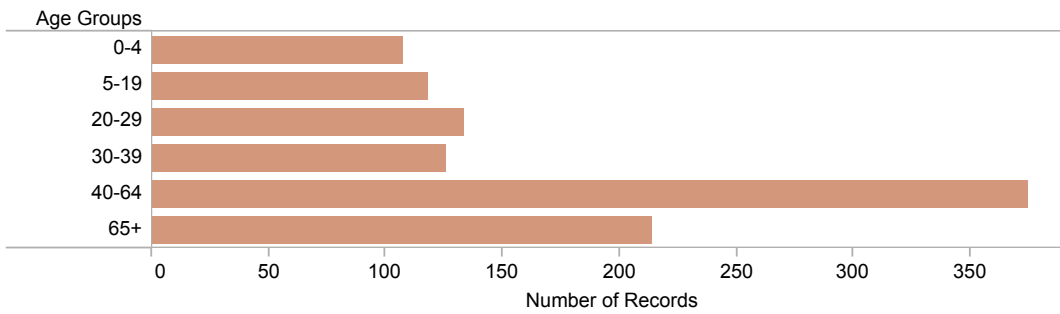
+66%

Change from previous 5 year average

Reported salmonellosis cases and incidence rates per 100,000 population by county of residence for the past 12 months



Salmonellosis cases by age past 12 months. Over a third of all cases occurred in the 40-64 year age group.

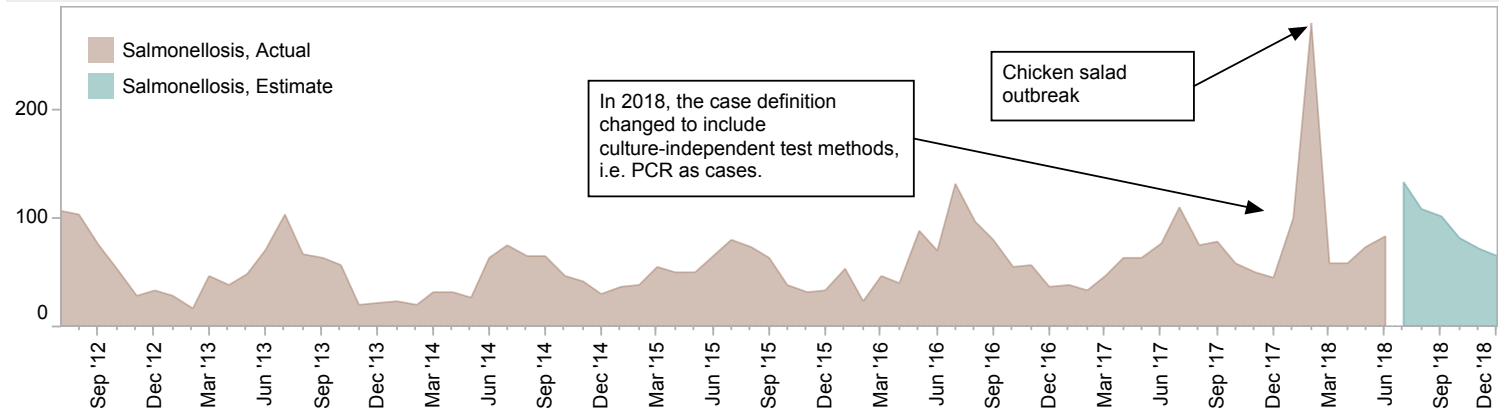


25%
of Salmonella cases were hospitalized in the past 12 months

Salmonellosis cases by gender past 12 months

Female	594
Male	480

Reported salmonellosis cases by date of onset or first lab result and 6 month forecast



Shigella

8

Cases in June

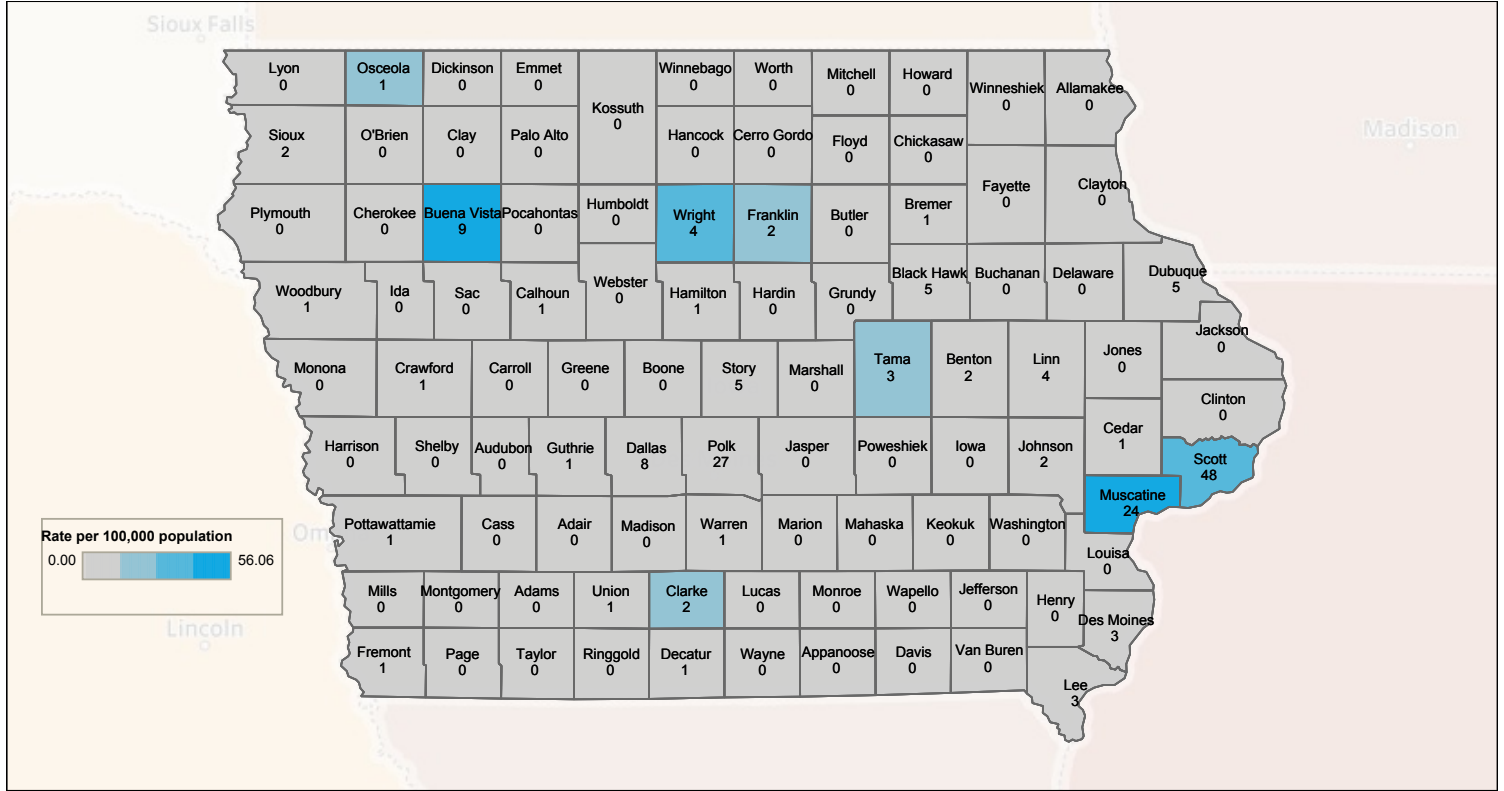
171

Cases in the last 12 months

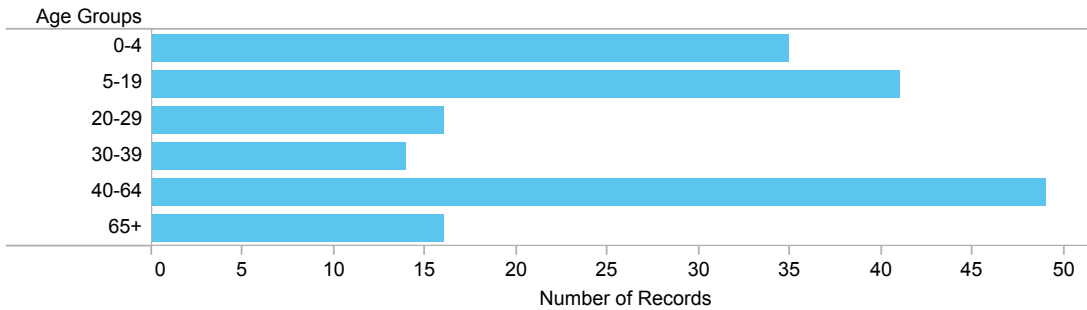
-52%

Change from previous 5 year average

Reported shigellosis cases and incidence rates per 100,000 population by county of residence for the past 12 months



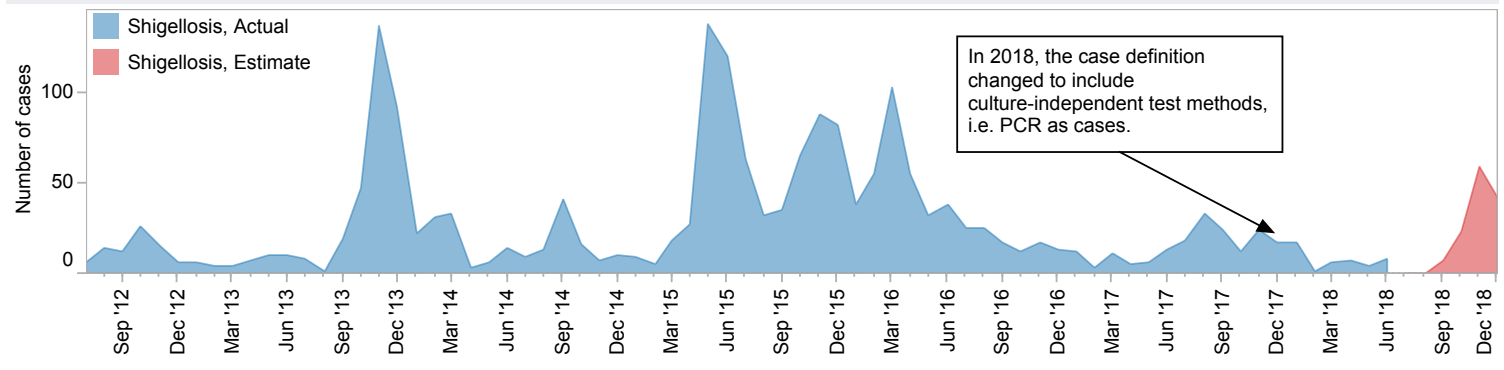
Shigellosis cases by age past 12 months.



16%
of Shigella cases were hospitalized in the past 12 months



Reported shigellosis cases by date of onset or first lab result and 6 month forecast



Select low-prevalence disease summaries

Legionella

4

Case in June

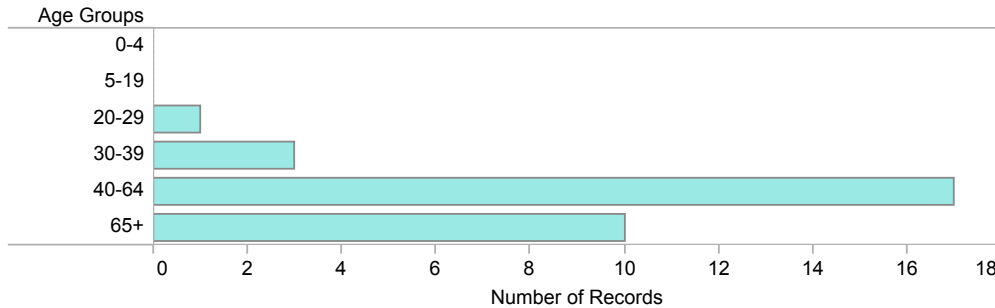
31

Cases in the last 12 months

+13%

Change from previous 5 years

Legionellosis cases by age past 12 months. No cases occurred in persons 0-19 years of age.



94%
of Legionella cases were hospitalized in the past 12 months

Legionellosis cases by gender past 12 months

Legionellosis	Female	10
	Male	21

Q Fever (acute and chronic)

0

Case in June

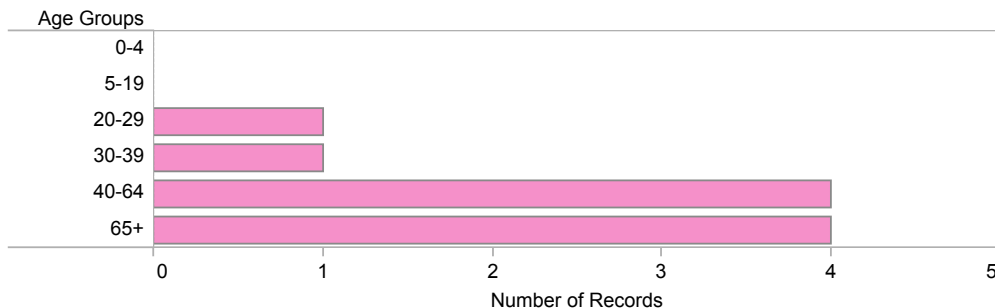
10

Cases in the last 12 months

+47%

Decrease from previous year
(Q fever was made reportable in 2016)

Q fever cases (acute and chronic) by age in the past 12 months. No cases occurred in persons 0-19 years old.



80%
of Q fever cases were hospitalized in the past 12 months

Q fever cases by gender past 12 months

Q Fever (acute and chronic)	Female	2
	Male	8

IOWA DEPARTMENT OF PUBLIC HEALTH

WWW.IDPH.IOWA.GOV

(515) 281-7689

CENTER FOR ACUTE DISEASE EPIDEMIOLOGY

WWW.IDPH.IOWA.GOV/CADE

1-800-362-2736

Gerd Clabaugh, MPA, Director

Sarah Reisetter, JD, Deputy Director

Ken Sharp, MPA, RS, Division Director

Patricia Quinlisk, MD, MPH, Medical Director/State Epidemiologist

Ann Garvey, DVM, MPH, MA, Public Health Veterinarian/ Deputy State Epidemiologist

CENTER FOR ACUTE DISEASE EPIDEMIOLOGY STAFF AND STUDENTS

Shawnice Cameron, Administrative Assistant

Andrew Connet, Administrative Coordinator

Julie Coughlin, MPH, Vector-Borne Disease Epidemiologist

Chris Galeazzi, MPH, Field Epidemiology Unit Lead

Tyra Goss, RN, BSN, Healthcare Associated Infections Epidemiologist

Amy Hoehne, MPH, Field Epidemiologist

Nick Kalas, MPH, Field Epidemiologist

Bailey Mosley, Interview and Outbreak Response Team

Jill Newland, Iowa Disease Surveillance System (IDSS) Data Manager

Kemi Oni, MPH, Foodborne Disease Epidemiologist

Rob Ramaekers, MPH, CPH, Surveillance Unit Lead/Vaccine-Preventable Disease Program Coordinator

Scott Seltrecht, MPH, Field Epidemiologist

Kenzie Teno, Interview and Outbreak Response Team

Kyli Torkelson, BS, Interview and Outbreak Response Team

Ngoc Tran, MPA, CPM, Iowa Disease Surveillance System (IDSS) Coordinator

Lisa Vitale, MSN, RN, Nurse Clinician

Diana Von Stein, MPH, Field Epidemiologist

Andy Weigel, MSW, Epidemiologist/Influenza Surveillance Program Coordinator

Nancy Wilde, BS, LPN, Epidemiologist/Healthcare-Associated Infection Program Coordinator

Ben Williamson, Interview and Outbreak Response Team