



# Arkansas Department of Health

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Governor Mike Beebe

Nathaniel Smith, MD, MPH, Interim Director and State Health Officer

Zoonotic Disease Section

## Incidence of Zoonotic Disease in Arkansas Third Quarter Report (01/01/13 to 9/30/13)

**Public Release - Provisional Data**

Zoonotic Disease	Cases <sup>1</sup>	Summary
Tickborne disease (TBD) cases	457	Anaplasmosis (4); Ehrlichiosis (121); Spotted Fever Rickettsiosis (304); Tularemia (28, including 1 associated death)
West Nile Virus (WNV) cases	9	Uncomplicated Fever (1); Neuro-invasive (8, including one associated death)
Animal rabies cases	132	Reservoir Species: Bat (23); Skunk (103)
		Companion Animals: Cat (2); Dog (2)
		Livestock: Cow (1); Horse (1)

### Animal rabies, 01/01/2013 to 9/30/2013

Animal type	Positive	% Positive	Submitted <sup>2</sup>	AR Positive Rabies/Year		
				Year	Positive	% Positive
Bat	23	9.5	242			
Skunk	103	61.7	167	2012	131	11
Fox	0	0	8	2011	60	7
Raccoon	0	0	53	2010	34	4
Coyote	0	0	6	2009	47	5
Cat	2	0.8	255	2008	49	5
Dog	2	0.7	283	2007	33	4
Horse	1	12.5	8	2006	34	4
Cow	1	5.6	18	2005	36	4
Other <sup>3</sup>	0	0	17	2004	55	5
<b>Arkansas Totals</b>	<b>132</b>	<b>12.5</b>	<b>1057</b>	2003	70	7
Other States <sup>4</sup>	6	21.4	28			
Proficiency Tests	3	37.5	8			

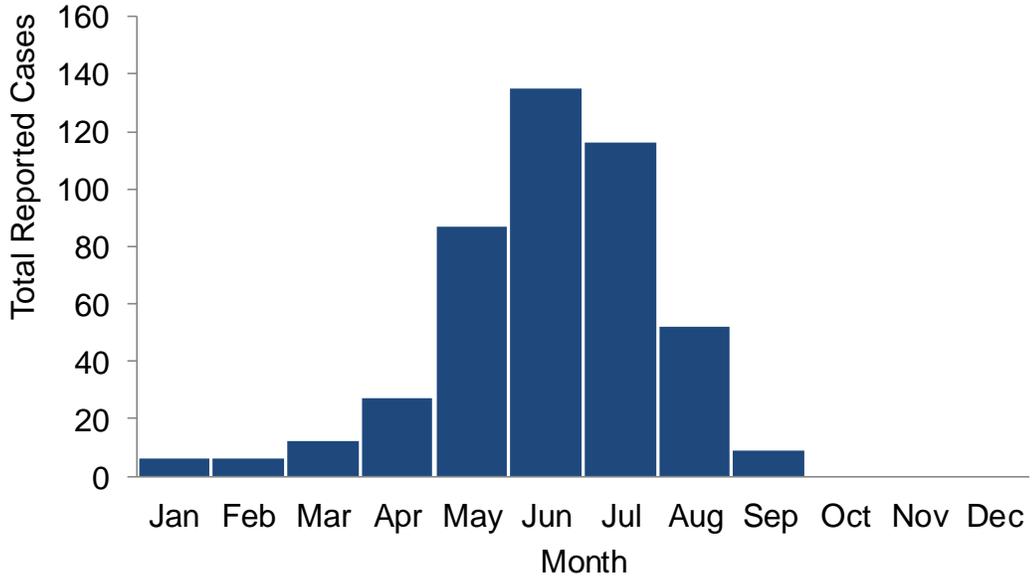
<sup>1</sup> Cases are defined as lab reports submitted to ADH that has either a Confirmed or Probable case Status, in the Arkansas Department of Health's NEDSS Based System (NBS). The Arkansas Department of Health (ADH) is an active participant in the National Electronic Disease Surveillance System (NEDSS). Developed by the Centers for Disease Control and Prevention (CDC), NEDSS is a system to improve the public health monitoring of diseases.

<sup>2</sup> Includes specimens determined unsatisfactory for testing.

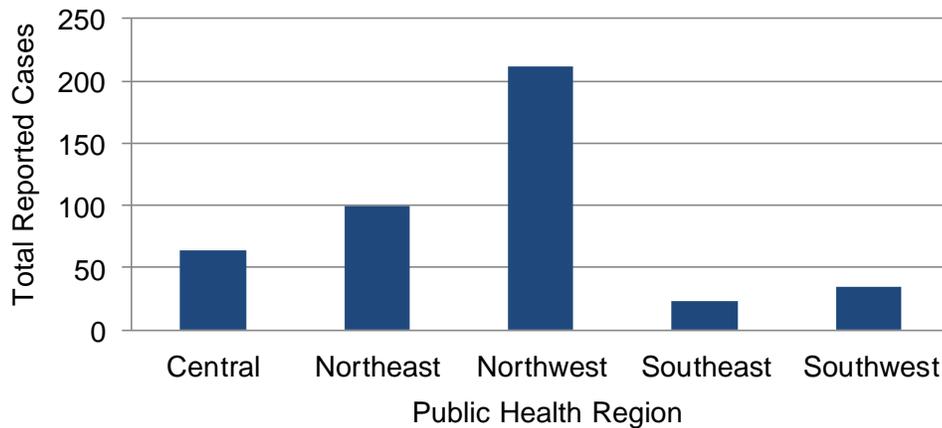
<sup>3</sup> Includes alpaca, armadillo, bobcat, coyote, donkey, goat, llama, mole, nutria, opossum, rabbit, squirrel, and rat.

<sup>4</sup> Includes one positive skunk from Missouri, one positive skunk from Oklahoma, three positive skunks and one positive horse from Texas, and submissions from Louisiana, Missouri, Ohio, Oklahoma, Missouri, South Carolina, and Texas.

Arkansas Tickborne Disease Cases\*  
 01/01/2013 to 09/30/2013  
 Provisional data based on NBS Event Date

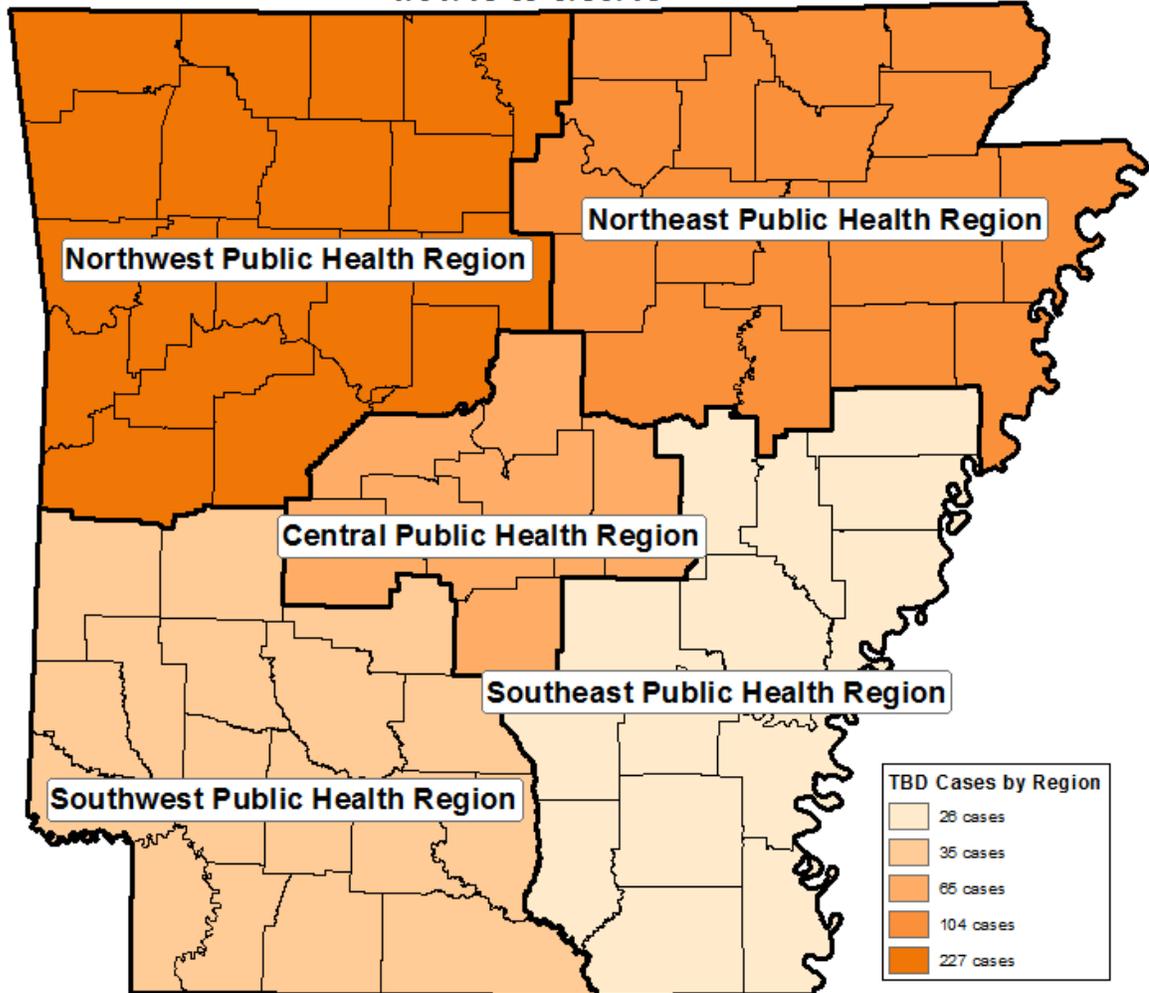


Tickborne Disease Cases\*  
 by Public Health Region  
 (1/01/2013 TO 9/30/2013)  
 Provisional Data



\*Lab reports submitted to ADH that have either a Confirmed or Probable case status.

Arkansas Department of Health  
Tickborne Disease Cases\*  
1/01/13 to 9/30/13

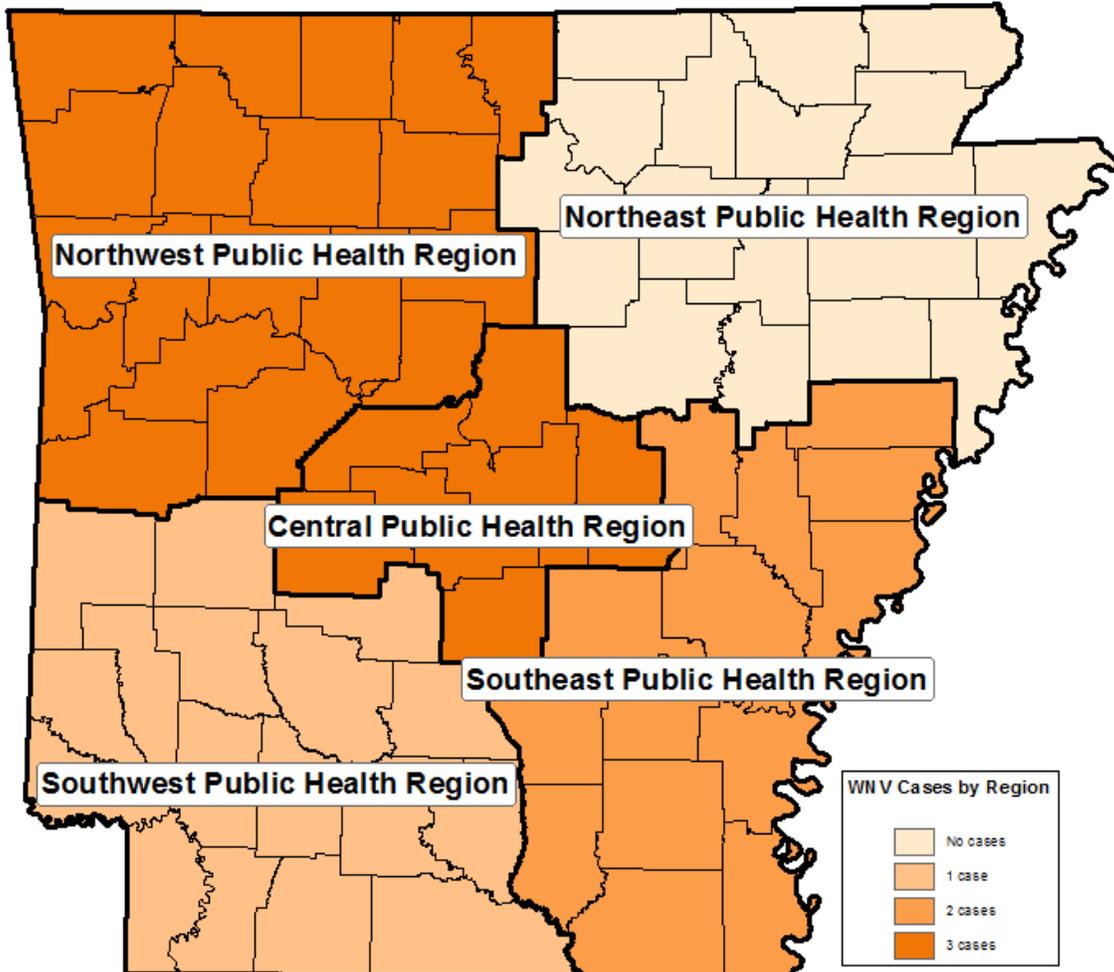


\* Cases are defined as reports submitted to ADH that have a Confirmed or Probable Case Status in NBS.



Date: October 8, 2013  
Source: Arkansas Department of Health  
Map created by: Richard Taffner

**Arkansas Department of Health  
Human West Nile Virus Cases\*  
1/01/13 to 9/30/13**

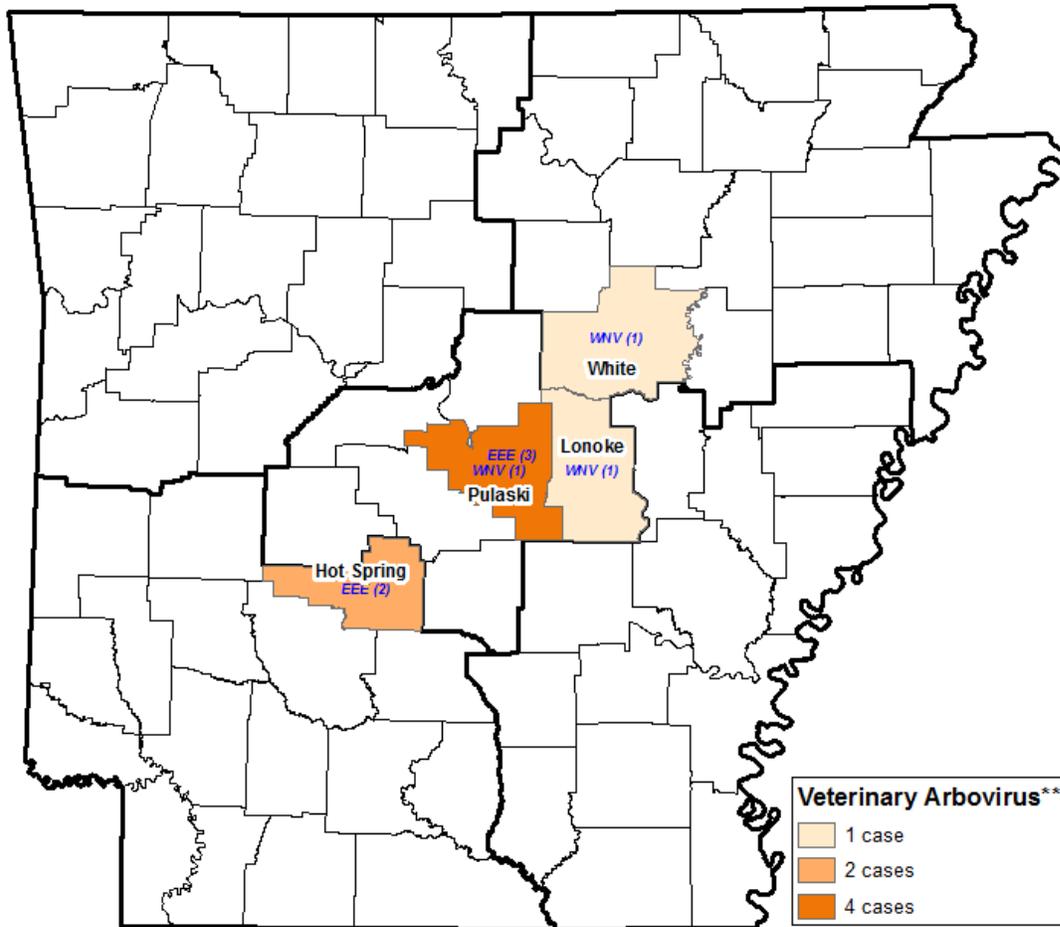


\* Cases are defined as reports submitted to ADH that have a Confirmed or Probable Case Status in NBS and have been reported to CDC through ArboNET



Date: October 8, 2013  
Source: Arkansas Department of Health  
Map created by: Richard Taffner

**Arkansas Department of Health  
Veterinary Arbovirus Cases\*  
1/01/13 to 9/30/13**



\* Cases submitted to ADH, from the Arkansas Livestock and Poultry Commission, and reported to CDC via ArboNET

\*\*Cases include five Eastern Equine Encephalitis (EEE) and three West Nile Virus (WNV)



Date: October 4, 2013  
Source: Arkansas Department of Health  
Map created by: Richard Taffner

**Anaplasmosis**

**\*Provisional data 1/01/13 to 9/30/13**

Case Status	Frequency	Percent
Confirmed	0	0
Probable	4	100
<b>Total Cases</b>	<b>4</b>	<b>100</b>

Age	Frequency	Percent	Female	Male
<20	1	25	1	0
20-29	1	0	0	1
30-39	0	0	0	0
40-49	0	0	0	0
50-59	0	0	0	0
60-69	2	50	1	1
>=70	0	0	0	0
<b>Total</b>	<b>4</b>	<b>100</b>	<b>2</b>	<b>2</b>

Race	Frequency	Percent
American Indian or Alaska Native	0	0
Asian	0	0
Black or African American	0	0
Native Hawaiian or Other Pacific Islander	0	0
Unknown	1	25
Unknown Black or African American	0	0
Unknown White	0	0
White	3	75
<b>Total</b>	<b>4</b>	<b>100</b>

Ethnic Group	Frequency	Percent
Hispanic or Latino	0	0
Not Hispanic or Latino	4	100
<b>Total</b>	<b>4</b>	<b>100</b>

Mortality	Frequency	Percent
Deceased	0	0
Living	4	100
Unknown or Missing	0	0
<b>Total</b>	<b>4</b>	<b>100</b>

Public Health Region	Frequency	Percent
Central	0	0
NER	1	25
NWR	3	75
SER	0	0
SWR	0	0
<b>Total</b>	<b>4</b>	<b>100</b>

## Ehrlichiosis

\*Provisional data 1/01/13 to 9/30/13

Case Status	Frequency	Percent
Confirmed	22	18
Probable	99	82
<b>Total Cases</b>	<b>121</b>	<b>100</b>

Age	Frequency	Percent	Female	Male	Unknown
<20	13	11	5	8	0
20-29	2	2	0	2	0
30-39	9	7	7	2	0
40-49	19	16	6	13	0
50-59	22	18	9	12	1
60-69	29	24	11	18	0
>=70	27	22	10	17	0
<b>Total</b>	<b>121</b>	<b>100</b>	<b>48</b>	<b>72</b>	<b>1</b>

Race	Frequency	Percent
American Indian or Alaska Native	1	1
Asian	0	0
Black or African American	2	2
Native Hawaiian or Other Pacific Islander	0	0
Unknown	18	15
Unknown Black or African American	0	0
Unknown White	1	1
White	99	82
<b>Total</b>	<b>121</b>	<b>100</b>

Ethnic Group	Frequency	Percent
Hispanic or Latino	0	0
Not Hispanic or Latino	121	0
<b>Total</b>	<b>121</b>	<b>100</b>

Mortality	Frequency	Percent
Deceased	0	0
Living	121	100
<b>Total</b>	<b>121</b>	<b>100</b>

Public Health Region	Frequency	Percent
Central	14	12
NER	25	21
NWR	68	56
SER	4	3
SWR	10	8
<b>Total</b>	<b>121</b>	<b>100</b>

### Spotted Fever Rickettsiosis

\*Provisional data 1/01/13 to 9/30/13

Case Status	Frequency	Percent
Confirmed	4	1
Probable	300	99
<b>Total Cases</b>	<b>304</b>	<b>100</b>

Age	Frequency	Percent	Female	Male
<20	21	7	10	11
20-29	30	10	9	21
30-39	25	8	5	20
40-49	52	17	20	32
50-59	65	21	22	43
60-69	58	19	12	46
>=70	53	17	20	33
<b>Total</b>	<b>304</b>	<b>100</b>	<b>98</b>	<b>206</b>

Race	Frequency	Percent
American Indian or Alaska Native	1	0
Asian	1	0
Black or African American	1	0
Native Hawaiian or Other Pacific Islander	0	0
Unknown	32	11
Unknown Black or African American	1	0
Unknown White	2	1
White	266	88
<b>TOTAL</b>	<b>304</b>	<b>100</b>

Ethnic Group	Frequency	Percent
Hispanic or Latino	7	2
Not Hispanic or Latino	297	98
<b>Total</b>	<b>304</b>	<b>100</b>

Mortality	Frequency	Percent
Deceased	0	0
Living	304	100
<b>Total</b>	<b>304</b>	<b>100</b>

Public Health Region	Frequency	Percent
Central	46	15
NER	71	23
NWR	143	47
SER	19	6
SWR	25	8
<b>Total</b>	<b>304</b>	<b>100</b>

## Tularemia

\*Provisional data 1/01/13 to 9/30/13

Case Status	Frequency	Percent
Confirmed	9	32
Probable	19	68
<b>Total Cases</b>	<b>28</b>	<b>100</b>

Age	Frequency	Percent	Female	Male
<20	3	11	0	3
20-29	2	7	0	2
30-39	2	7	0	0
40-49	3	11	1	2
50-59	6	21	2	4
60-69	5	18	2	3
>=70	7	25	3	4
<b>Total</b>	<b>28</b>	<b>100</b>	<b>8</b>	<b>18</b>

Race	Frequency	Percent
American Indian or Alaska Native	0	0
Asian	0	0
Black or African American	0	0
Native Hawaiian or Other Pacific Islander	1	4
Unknown	7	25
Unknown Black or African American	0	0
Unknown White	0	0
White	20	71
<b>Total</b>	<b>28</b>	<b>100</b>

Ethnic Group	Frequency	Percent
Hispanic or Latino	0	0
Not Hispanic or Latino	28	100
<b>Total</b>	<b>100</b>	<b>100</b>

Mortality	Frequency	Percent
Deceased	1	4
Living	27	96
<b>Total</b>	<b>28</b>	<b>100</b>

Public Health Region	Frequency	Percent
Central	5	18
NER	7	25
NWR	13	46
SER	3	11
SWR	0	0
<b>Total</b>	<b>28</b>	<b>100</b>

**West Nile Virus**

**\*Provisional data 1/01/13 to 9/30/13**

Case Status	Frequency	Percent
Confirmed	9	100
Probable	0	0
<b>Total Cases</b>	<b>9</b>	<b>100</b>

Age	Frequency	Percent	Female	Male
<20	3	33	1	2
20-29	0	0	0	0
30-39	0	0	0	2
40-49	1	11	0	1
50-59	2	22	2	0
60-69	0	0	0	0
>=70	3	33	0	1
<b>Total</b>	<b>9</b>	<b>100</b>	<b>3</b>	<b>6</b>

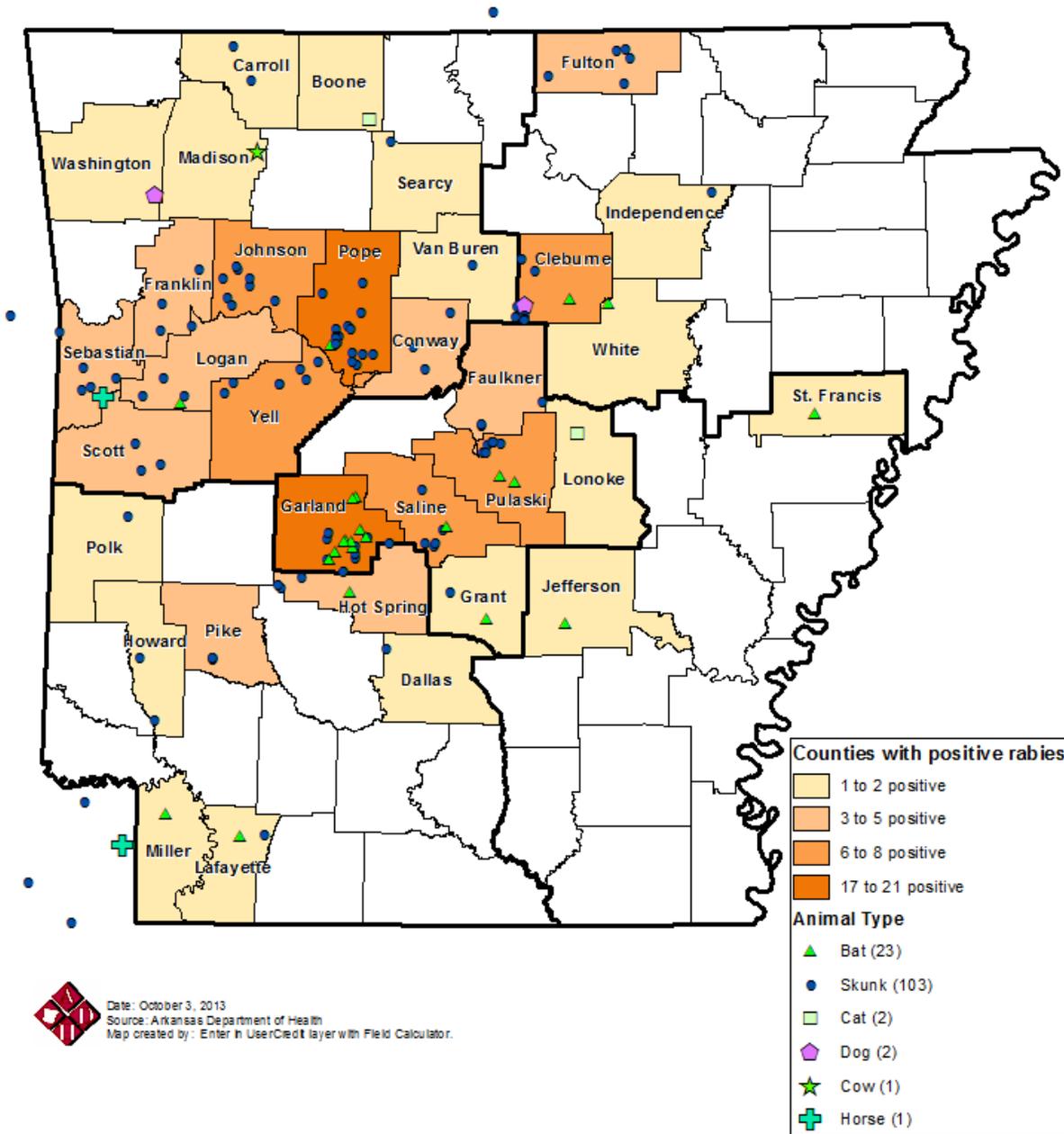
Race	Frequency	Percent
American Indian or Alaska Native	0	0
Asian	0	0
Black or African American	2	22
Native Hawaiian or Other Pacific Islander	0	0
Unknown	0	0
Unknown Black or African American	0	0
Unknown White	0	0
White	7	78
<b>Total</b>	<b>9</b>	<b>100</b>

Ethnic Group	Frequency	Percent
Hispanic or Latino	0	0
Not Hispanic or Latino	9	100
<b>Total</b>	<b>9</b>	<b>100</b>

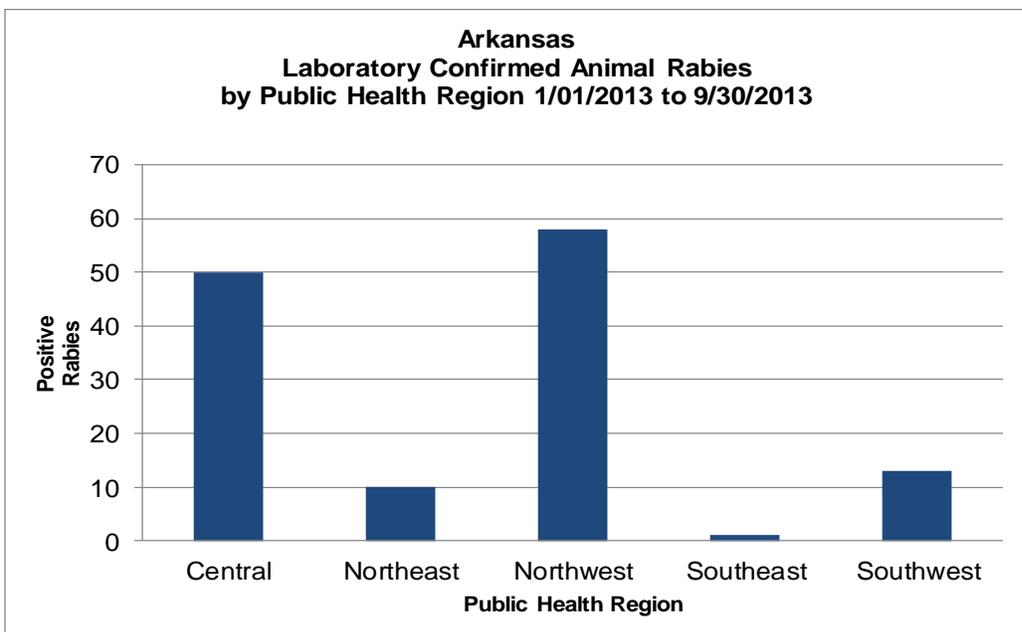
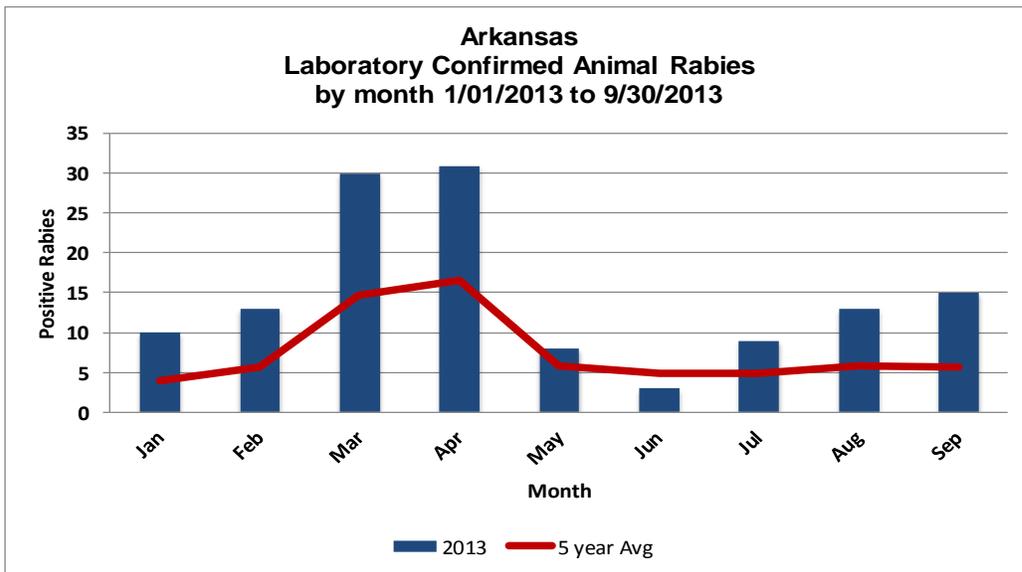
Mortality	Frequency	Percent
Deceased	1	11
Living	8	89
<b>Total</b>	<b>9</b>	<b>100</b>

Public Health Region	Frequency	Percent
Central	3	33
NER	0	0
NWR	2	22
SER	3	33
SWR	1	11
<b>Total</b>	<b>9</b>	<b>100</b>

## Animal Rabies in Arkansas 1/01/13 to 9/30/13



Date: October 3, 2013  
 Source: Arkansas Department of Health  
 Map created by: Enter in UserCredit layer with Field Calculator.



For more information on this report, or its content:

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