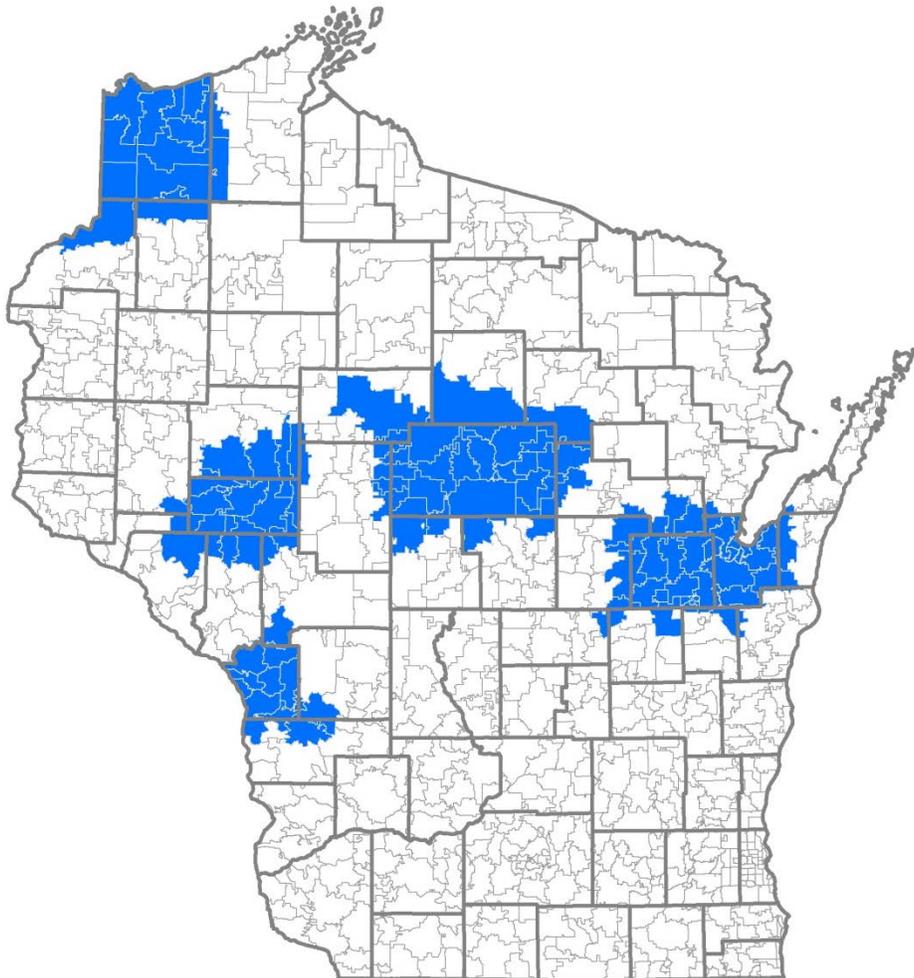


# Hepatitis C Surveillance Summary for Six Counties 2016



A summary of hepatitis C virus (HCV) cases newly reported to the Wisconsin Electronic Disease Surveillance System during 2016 among residents of Brown, Douglas, Eau Claire, La Crosse, Marathon, and Outagamie counties and their overlapping zip codes

The purpose of this report is to describe the epidemiologic characteristics of recently reported hepatitis C virus (HCV) cases among residents of six county areas in Wisconsin (Brown, Douglas, Eau Claire, La Crosse, Marathon, and Outagamie counties and their overlapping zip codes). These six areas are included in this report because they have been selected for participation in the study Community-Based, Client-Centered Prevention Homes to Address the Rural Opioid Epidemic. The co-principal investigators for this study are Dr. Ryan Westergaard, University of Wisconsin-Madison, and Dr. David Seal, Tulane University. The purpose of the study is to develop and test the effectiveness of a new model for delivering prevention services to prevent HIV infection, viral hepatitis (including HCV) infection, and overdose among people living in rural areas who inject opioids. The six areas were chosen for this study because surveillance and other data sources indicate a high burden of opioid injection and HCV infection in these areas, as well as close proximity to AIDS Resource Center of Wisconsin (ARCW) offices where the prevention services will be offered.

During the first phase of the study, a primary aim is to estimate the prevalence of HIV, HCV, and sexually transmitted infections among people who inject opioids and reside in the six areas. This report provides a baseline assessment of the newly reported HCV cases in these six areas during 2016, before study activities began.

For more information on HCV in Wisconsin, including the complete statewide 2016 annual report, see the links below.

### **Complete 2016 HCV Surveillance Report for Wisconsin**

2016 Wisconsin Hepatitis C Virus Surveillance Annual Review  
<https://www.dhs.wisconsin.gov/publications/p00440-2016.pdf>

### **More Information on HCV in Wisconsin**

2014 Epidemiologic Profile of Hepatitis C Virus in Wisconsin  
<https://www.dhs.wisconsin.gov/publications/p0/p00860.pdf>

Wisconsin Department of Health Services Hepatitis C Data  
<https://www.dhs.wisconsin.gov/viral-hepatitis/hcv-data.htm>

Wisconsin Department of Health Services Hepatitis C Program  
<https://www.dhs.wisconsin.gov/viral-hepatitis/hcv-program.htm>

## Table of Contents

Technical Notes.....	5
Summary of All Six Counties .....	7
All HCV .....	7
All HCV, Age 15–29.....	7
Acute HCV.....	7
Brown County .....	8
Trends.....	8
By Age.....	8
By Age and Sex .....	9
By Age, Sex, and Race and Ethnicity .....	10
By Race and Ethnicity .....	11
By Zip Code.....	12
Acute Cases .....	13
Data Table .....	14
Douglas County .....	15
Trends.....	15
By Age.....	15
By Age and Sex .....	16
By Age, Sex, and Race and Ethnicity .....	17
By Race and Ethnicity .....	18
By Zip Code.....	19
Acute Cases .....	20
Data Table .....	21
Eau Claire County.....	22
Trends.....	22
By Age.....	22
By Age and Sex .....	23
By Age, Sex, and Race and Ethnicity .....	24
By Race and Ethnicity .....	25
By Zip Code.....	26
Acute Cases .....	27
Data Table .....	28

La Crosse County..... 29

    Trends..... 29

    By Age..... 29

    By Age and Sex ..... 30

    By Age, Sex, and Race and Ethnicity ..... 31

    By Race and Ethnicity ..... 32

    By Zip Code..... 33

    Acute Cases ..... 34

    Data Table ..... 35

Marathon County..... 36

    Trends..... 36

    By Age..... 36

    By Age and Sex ..... 37

    By Age, Sex, and Race and Ethnicity ..... 38

    By Race and Ethnicity ..... 39

    By Zip Code..... 40

    Acute Cases ..... 41

    Data Table ..... 42

Outagamie County ..... 44

    Trends..... 44

    By Age..... 44

    By Age and Sex ..... 45

    By Age, Sex, and Race and Ethnicity ..... 46

    By Race and Ethnicity ..... 47

    By Zip Code..... 48

    Acute Cases ..... 49

    Data Table ..... 50

## Technical Notes

- Hepatitis C virus (HCV) case data were obtained from the annual frozen data files extracted from the Wisconsin Electronic Disease Surveillance System (WEDSS) after annual case closeout. Cases are classified by the year that they were first reported to WEDSS.
- HCV cases were included in this report if they met the Council of State and Territorial Epidemiologists case definitions of confirmed or probable [acute](#) or [chronic](#) HCV infection. Cases reported during 2016 were classified according to the 2016 case classifications. Most reported cases were classified as chronic and likely represent infections that were acquired years ago.
- Cases were included in this report if the individual resided in Douglas, La Crosse, Brown, Eau Claire, Marathon, or Outagamie county or if the individual resided in a neighboring county within a zip code that overlaps one of these six counties. As a result, the numbers of cases by county in this report differ from previously published HCV surveillance reports. Table 1 displays the zip codes included for each county.

**Table 1. Zip codes eligible for inclusion, by county**

Brown	Douglas	Eau Claire	La Crosse	Marathon	Outagamie
54115	54820	54701	54601	54401	54106
54126	54830	54702	54602	54402	54107
54130	54836	54703	54603	54403	54113
54155	54838	54720	54614	54405	54115
54162	54842	54722	54619	54408	54130
54165	54849	54726	54623	54409	54131
54173	54854	54727	54636	54411	54136
54180	54859	54729	54642	54412	54140
54208	54864	54738	54644	54414	54152
54217	54873	54741	54650	54417	54155
54229	54874	54742	54653	54421	54165
54301	54880	54755	54658	54425	54170
54302	54890	54758	54667	54426	54180
54303		54768	54669	54427	54911
54304		54770		54429	54912
54305				54440	54913
54306				54443	54914
54307				54448	54915
54308				54449	54919
54311				54451	54922
54313				54452	54929
54324				54455	54931
54344				54471	54940
54110				54473	54942
				54474	54944
				54476	54956
				54479	54961
				54480	
				54484	
				54488	
				54499	

- Table 2 displays the number of newly reported HCV cases during 2016 that were included in this report for each county by whether the individual was a resident of the county or resided in a neighboring county within a zip code that overlaps one of the six counties of interest.
- For the purpose of this report, “All” HCV cases refers to both acute and chronic case reports. “Acute” HCV cases refers to acute cases only. “All, Age 15–29” refers to all acute and chronic cases in individuals aged 15–29 years at report. Reports among this age group can be used as a surveillance indicator of recently acquired HCV infection.
- Cases with a residence address at the Department of Corrections were excluded.
- Denominator data by zip code were obtained from Wisconsin Department of Administration population estimates.

***Table 2. Number of newly reported HCV cases included for each county, by whether the case was a resident of the county, 2016***

<b>County Area for Report</b>	<b>Resident</b>	<b>Not Resident</b>	<b>Total</b>	<b>% Not Resident of County</b>
Brown	1	156	157	1%
Douglas	3	23	26	12%
Eau Claire	40	80	120	33%
La Crosse	6	74	80	8%
Marathon	44	78	122	36%
Outagamie	93	128	221	42%
<b>Total</b>	<b>187</b>	<b>539</b>	<b>726</b>	<b>26%</b>

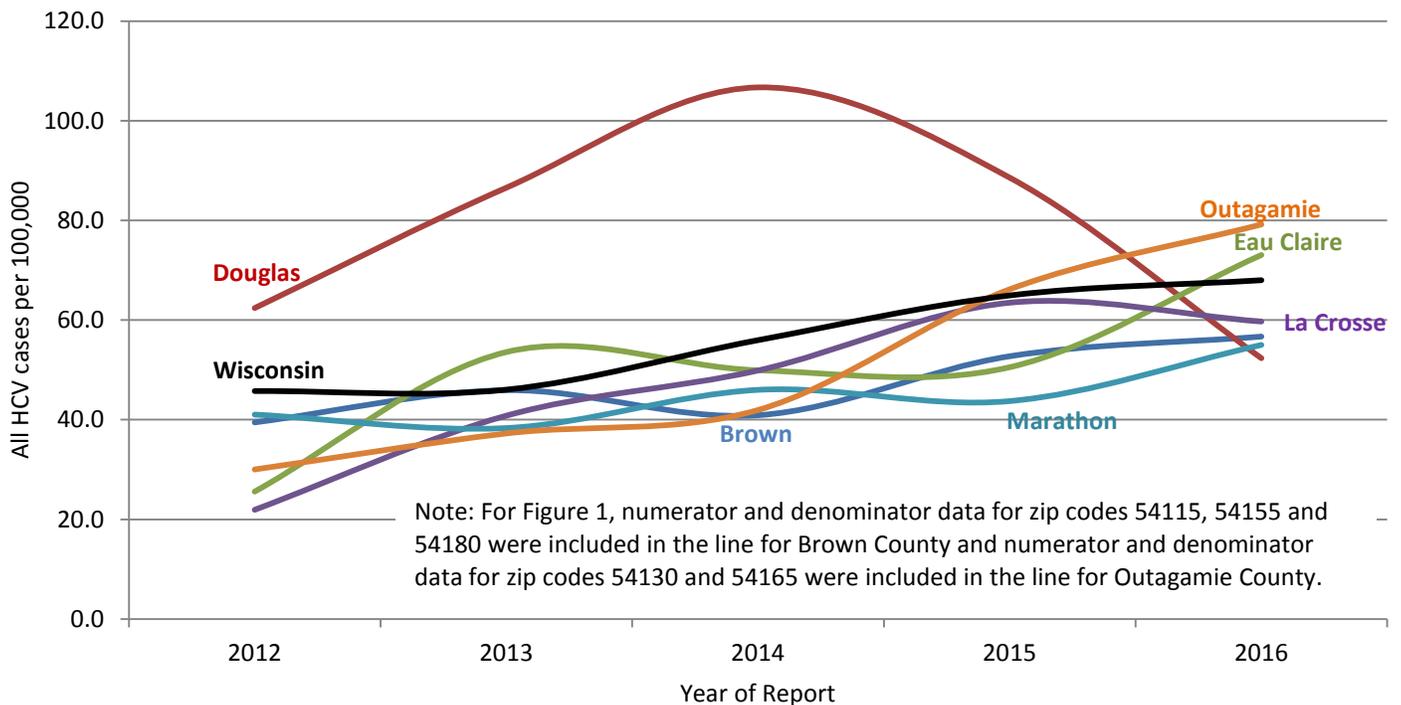
## Summary of All Six Counties

### All HCV

Except for Douglas County, the rate of new HCV reports increased in every county from 2012 to 2016 (Figure 1). During 2016, 726 HCV cases (22 acute, 704 chronic) were reported among residents of the six county areas.

- 56% were male and 44% were female.
- 29% were 29 years old or younger.
- 81% were non-Hispanic white, 4% were Hispanic, 4% were American Indian, 4% were non-Hispanic black, 2% were Asian, and 5% had unknown or other race/ethnicity. Brown, Douglas, and Eau Claire counties reported disproportionately high numbers of cases among American Indians.

**Figure 1. Rate of all HCV case reports per 100,000, six counties and Wisconsin, 2012–2016**



### All HCV, Age 15–29

During 2016, 212 HCV cases (13 acute and 199 chronic) were reported among residents of the six county areas who were age 15–29.

- 50% were male, and 50% were female.
- 78% were non-Hispanic white, 8% were American Indian, 6% were Hispanic, 2% were black, and 6% had unknown or other race/ethnicity.

### Acute HCV

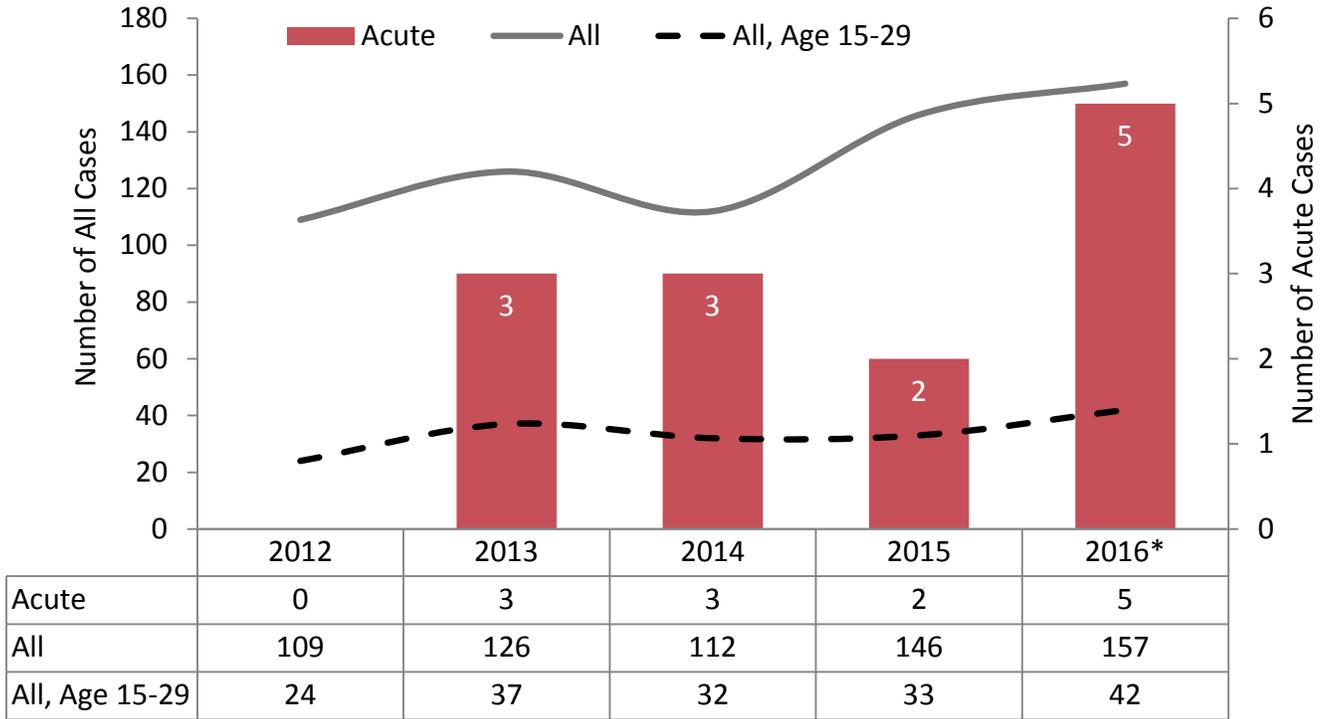
During 2016, 22 acute HCV cases (3% of all 2016 HCV reports) were reported among residents of the six county areas.

- 36% were male, and 64% were female; 59% were 29 years old or younger; 86% were non-Hispanic white.
- Among cases with complete self-reported risk information, 71% (12 of 17) reported ever injecting drugs, 64% (9 of 14) reported ever sharing works, 69% (9 of 13) reported ever snorting drugs, 92% (11 of 12) reported ever being incarcerated, and none of the male cases reported having sex with men.

# Brown County

## Trends

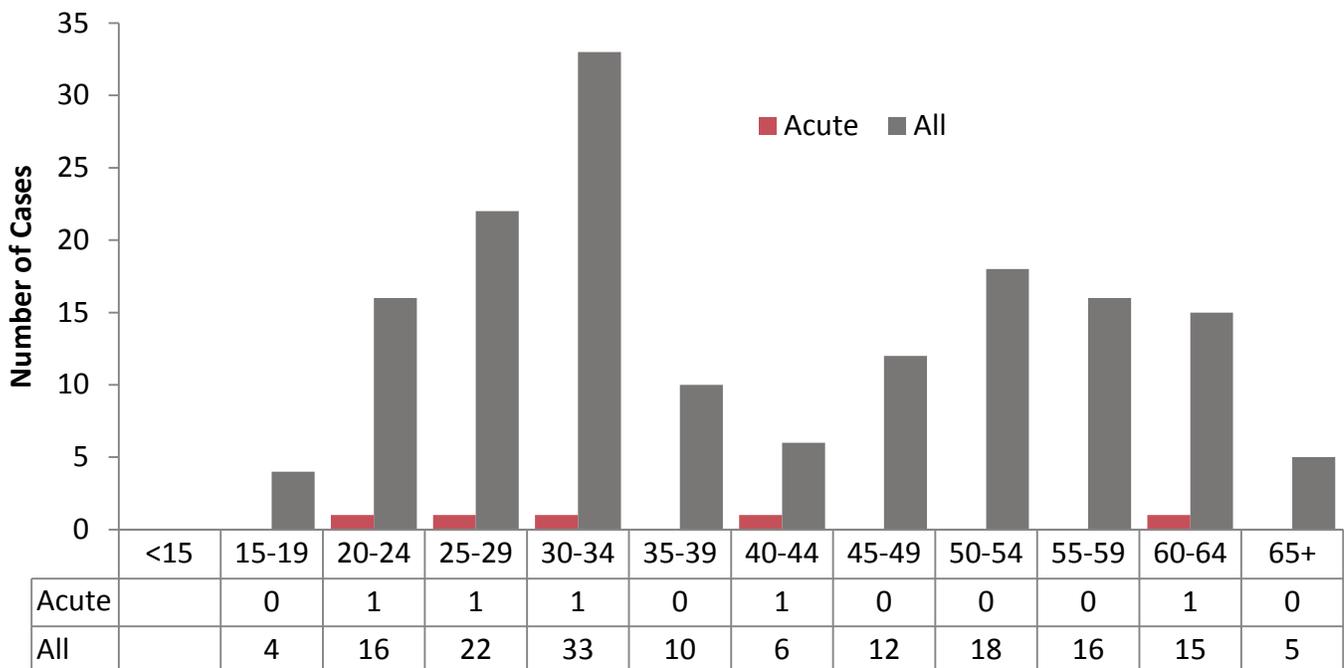
**Figure 2. Number of newly reported HCV cases, by year of report, Brown County, 2012–2016**



\*In 2016, the acute case definition changed to include patients with ALT >200 IU/L and was lowered from >400 IU/L. In Brown County this accounted for one additional acute case.

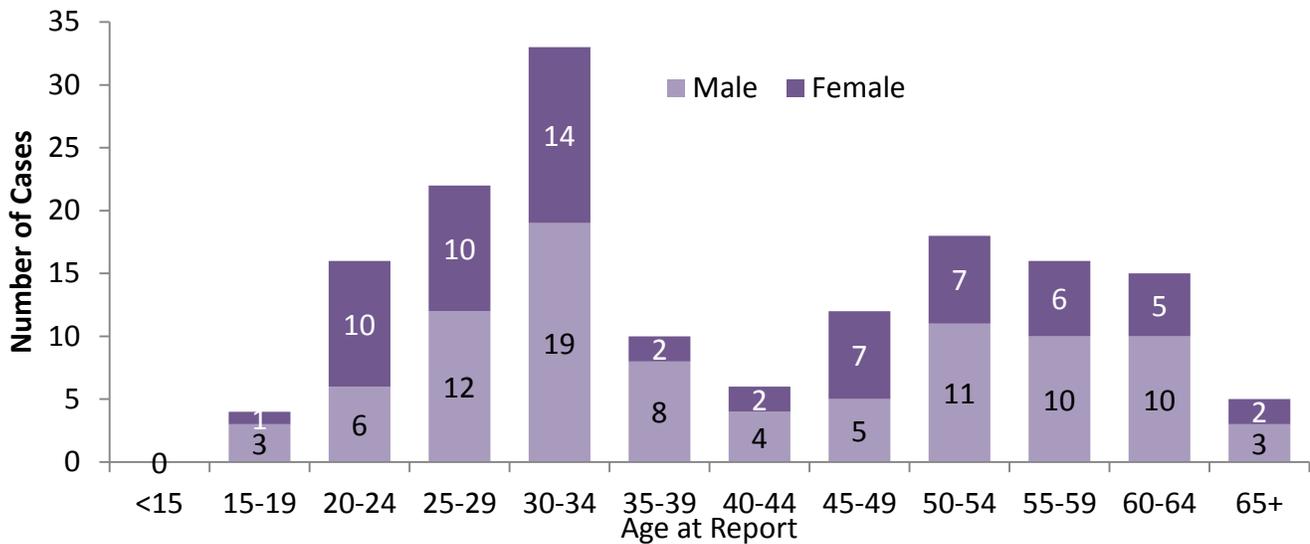
## By Age

**Figure 3. Number of newly reported HCV cases, by age at report, Brown County, 2016**

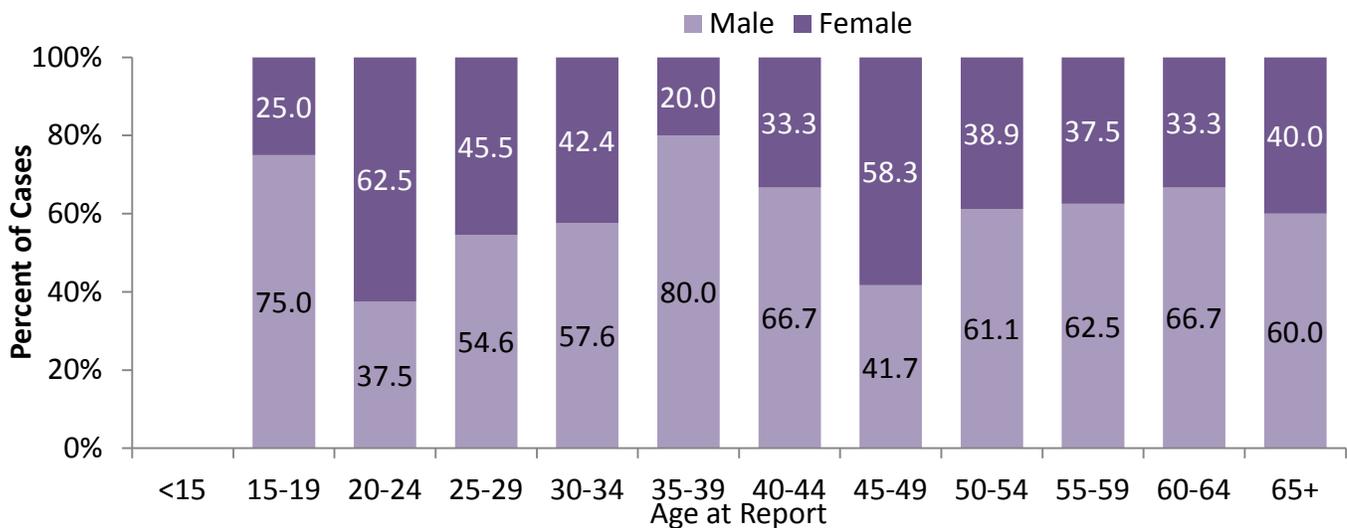


## By Age and Sex

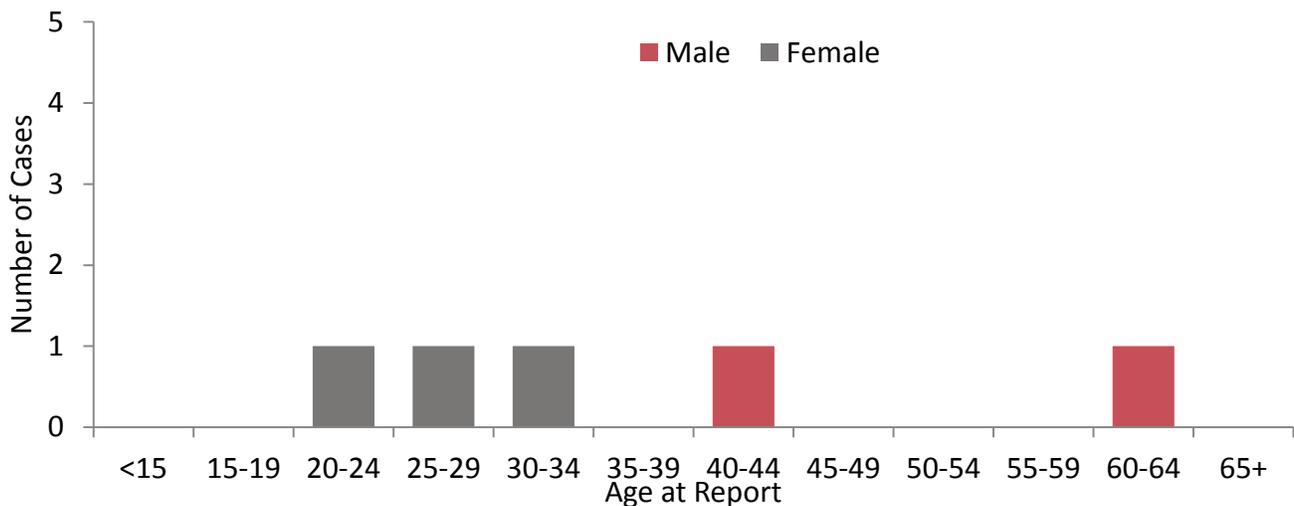
**Figure 4. Number of all newly reported HCV cases, by age at report and sex, Brown County, 2016**



**Figure 5. Percent of all newly reported HCV cases, by age at report and sex, Brown County, 2016**

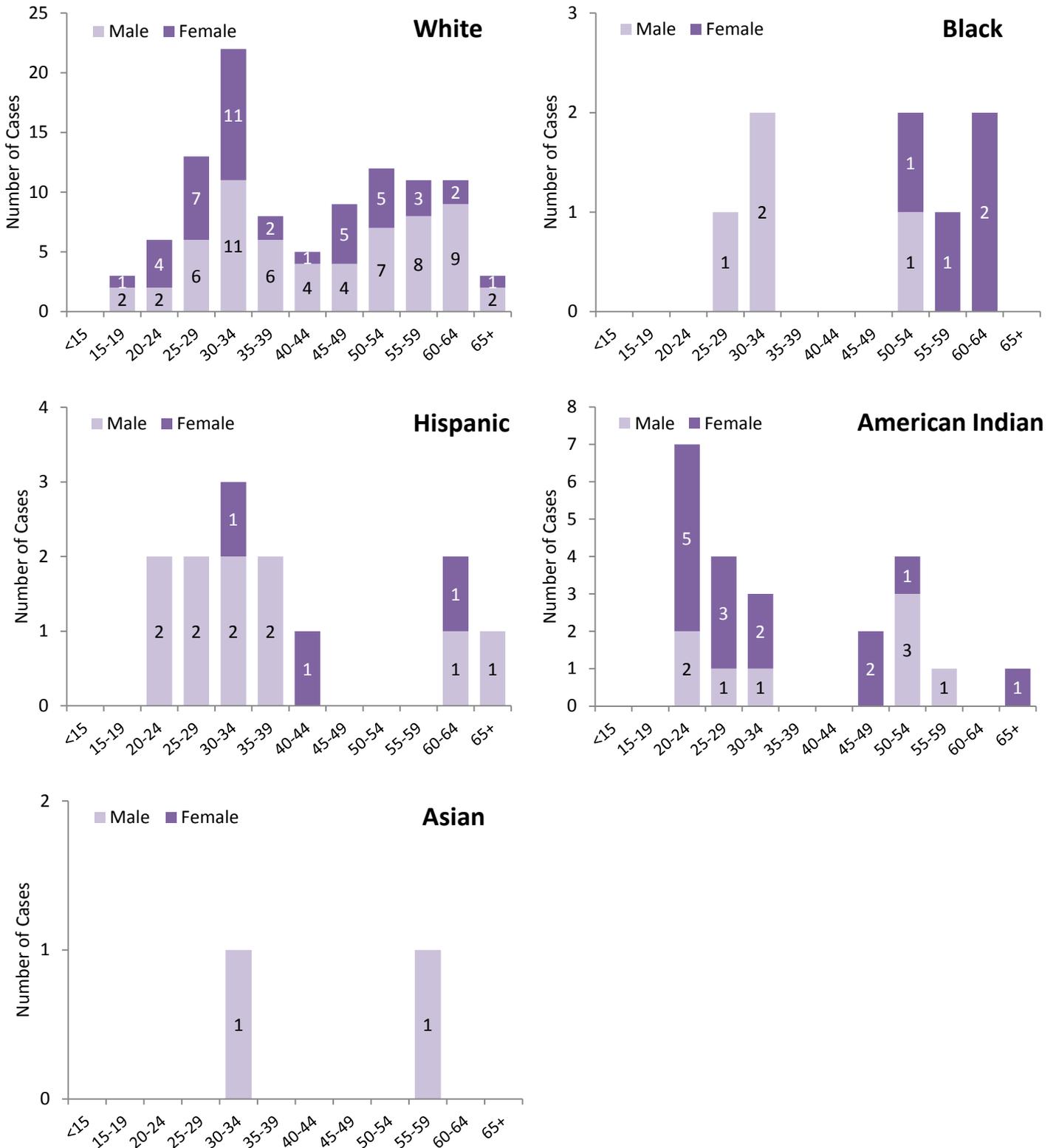


**Figure 6. Number of acute HCV cases, by age at report and sex, Brown County, 2016**



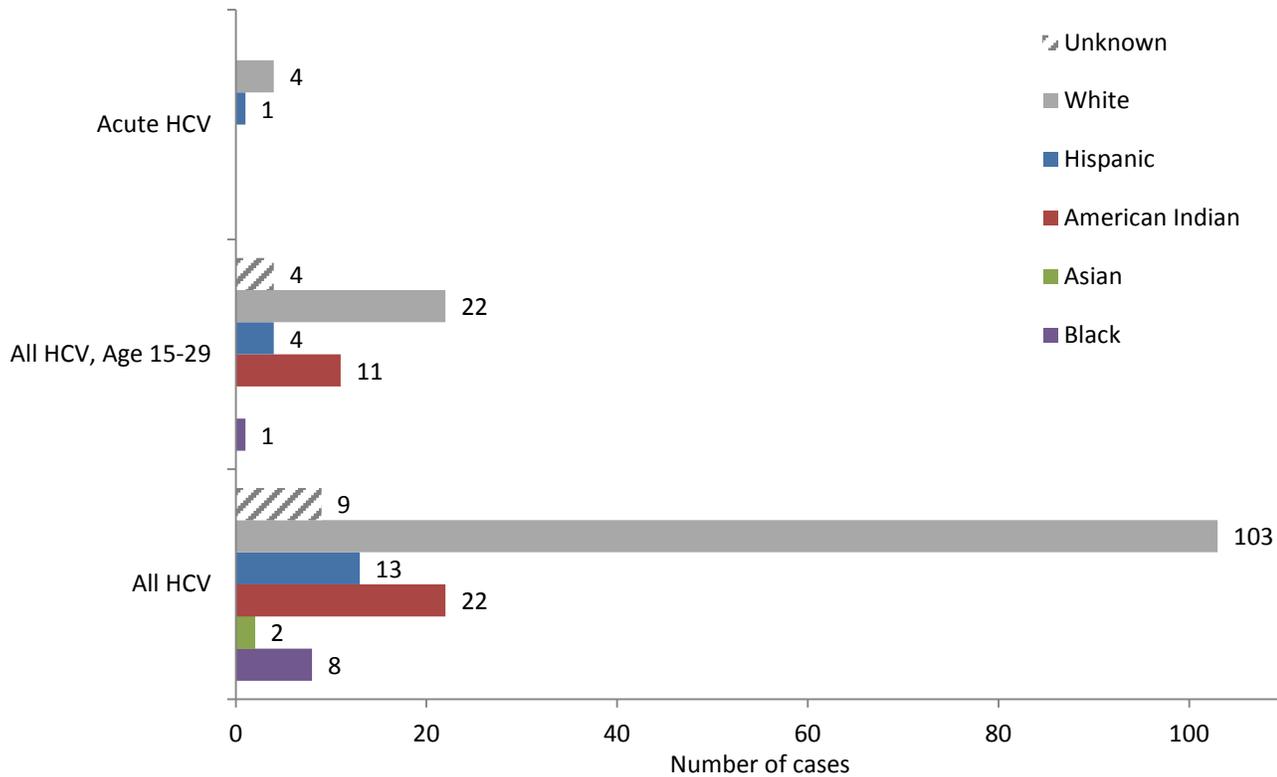
## By Age, Sex, and Race and Ethnicity

**Figure 7. Number of all newly reported HCV cases, by age at report, sex, and race and ethnicity, Brown County, 2016**

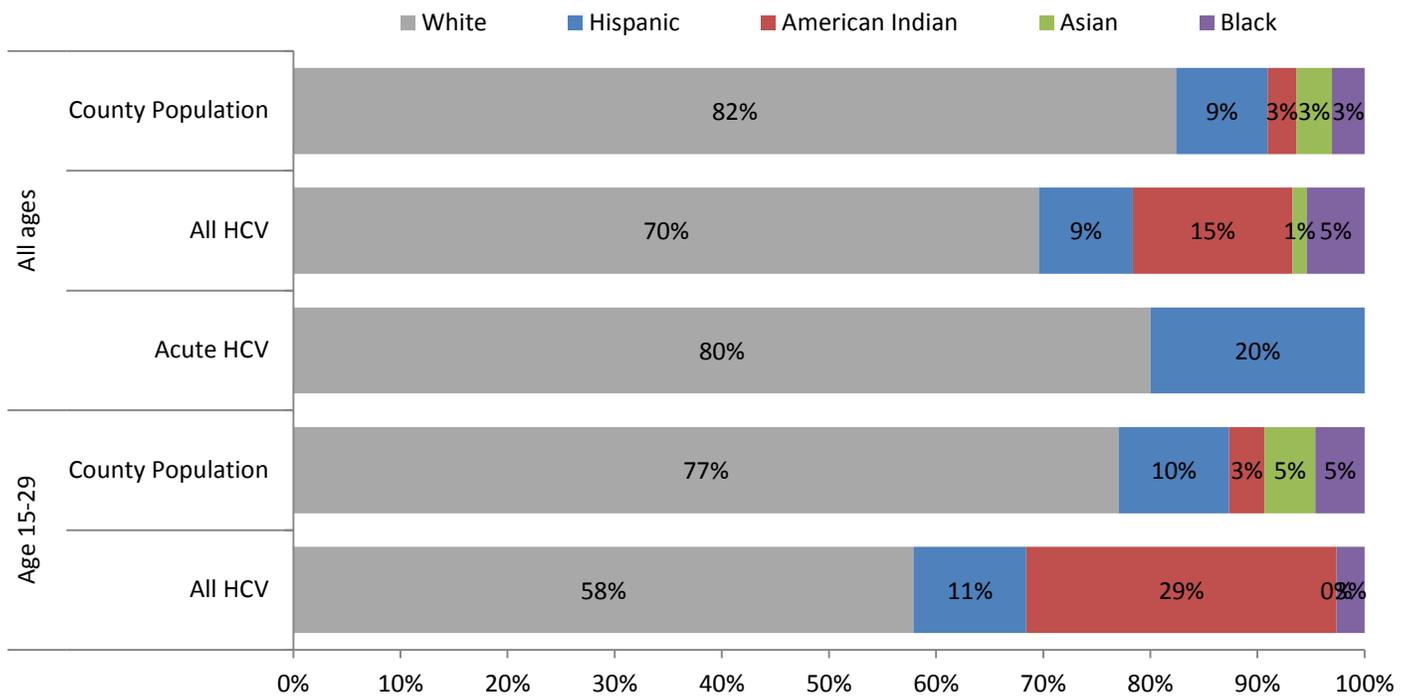


## By Race and Ethnicity

**Figure 8. Number of newly reported HCV cases, by race and ethnicity, Brown County, 2016**

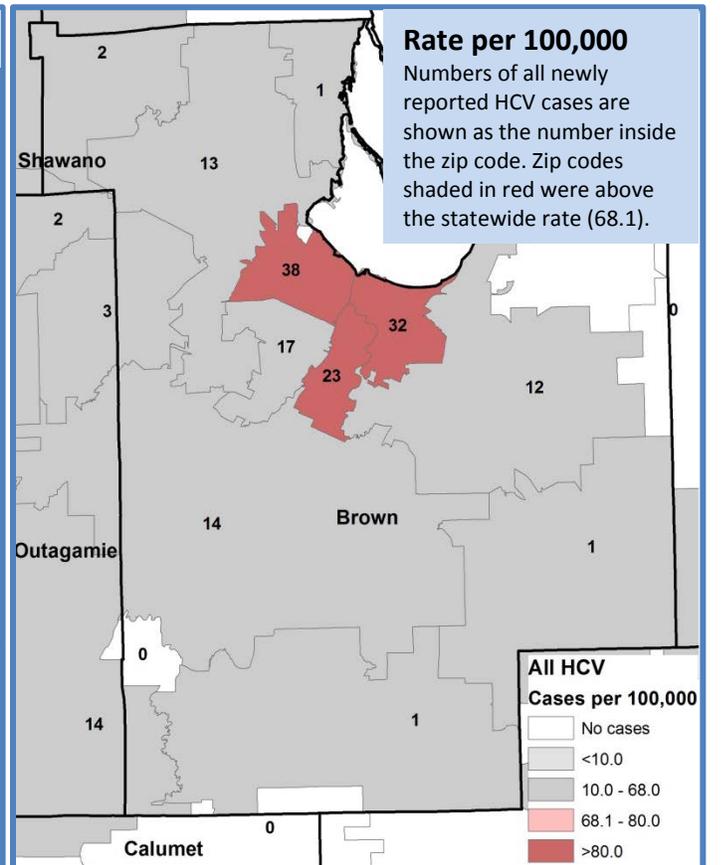
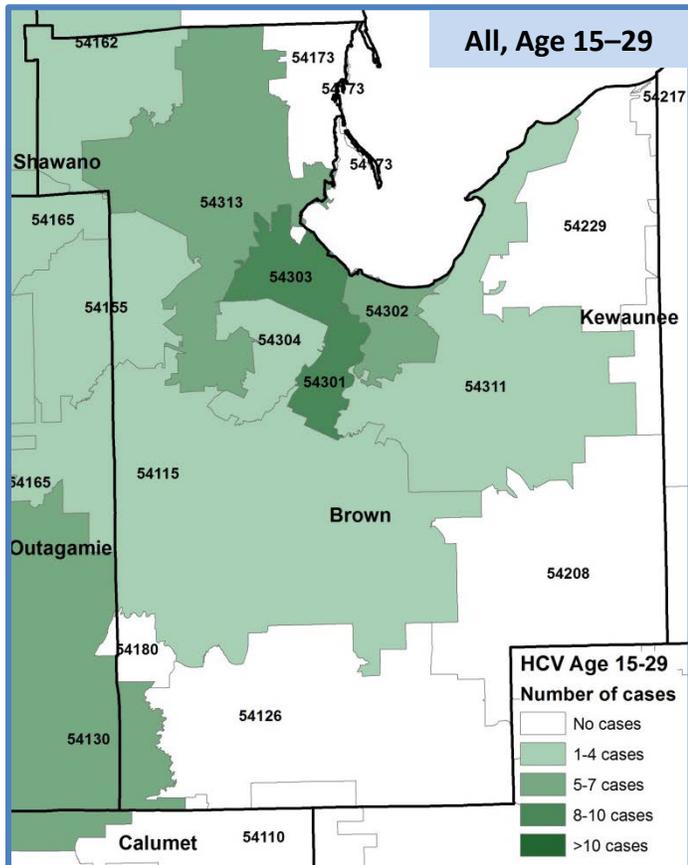
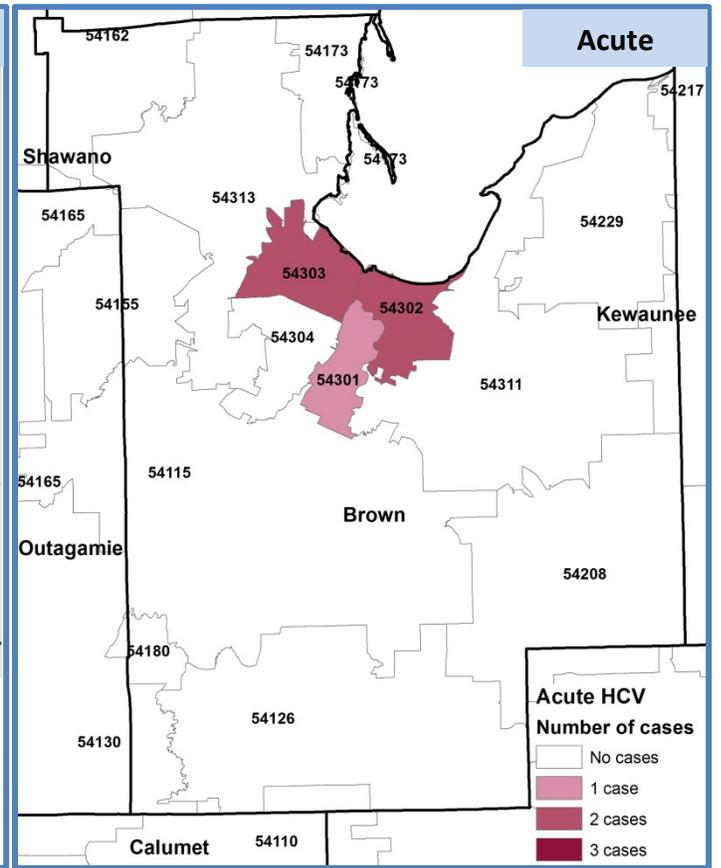
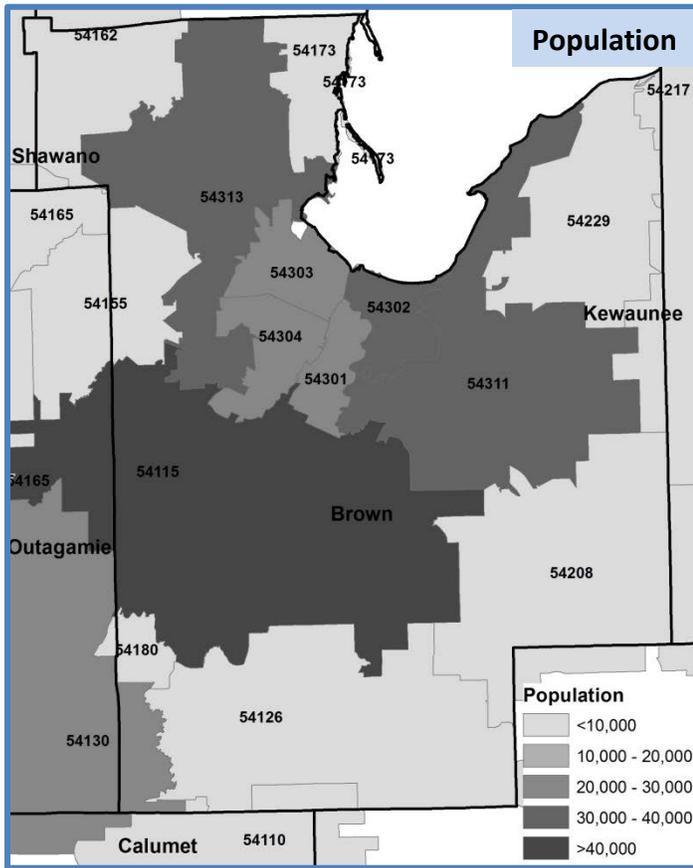


**Figure 9. Percent of HCV cases by race and ethnicity, compared to county population, Brown County, 2016**



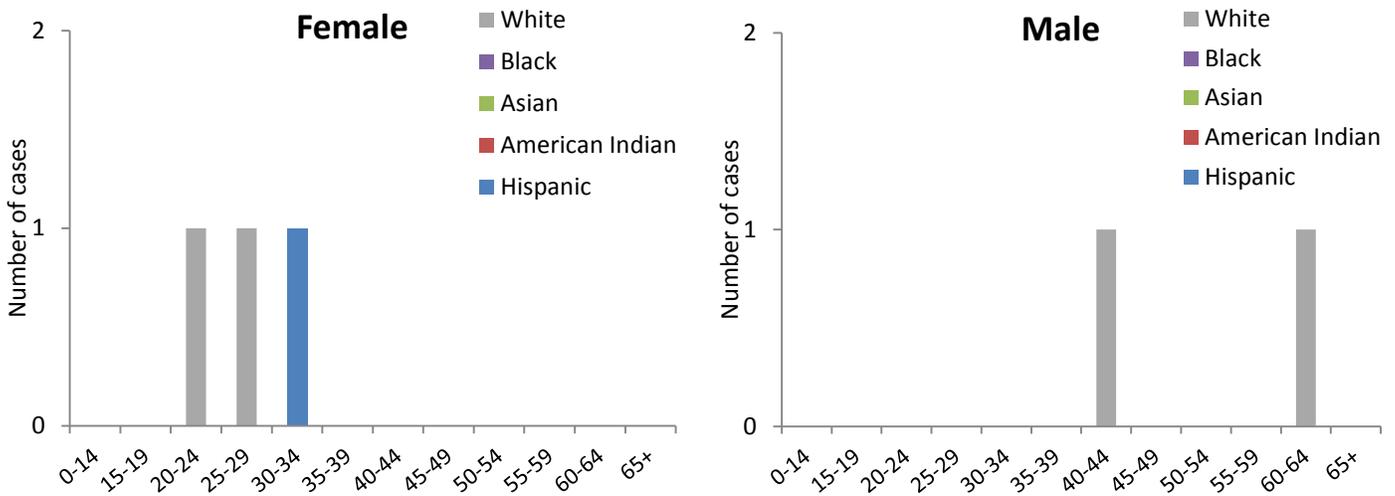
Note: Nine HCV cases (including four age 15–29 years) had unknown race and ethnicity and are not included in the figure above.

# By Zip Code

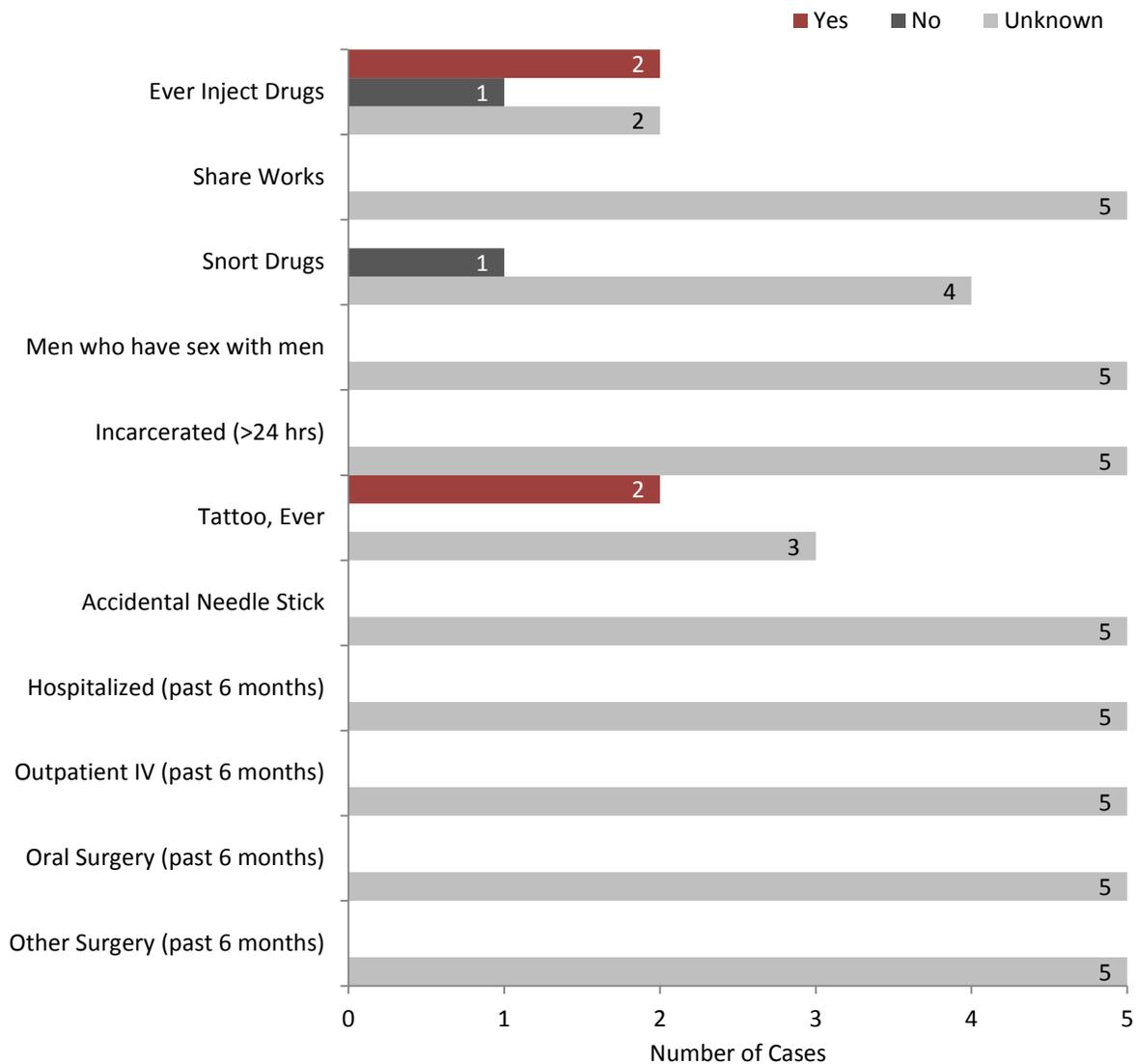


## Acute Cases

**Figure 10. Number of acute HCV cases by sex, age, and race and ethnicity, Brown County, 2016**



**Figure 11. Number of acute HCV cases by risk, Brown County, 2016**



## Data Table

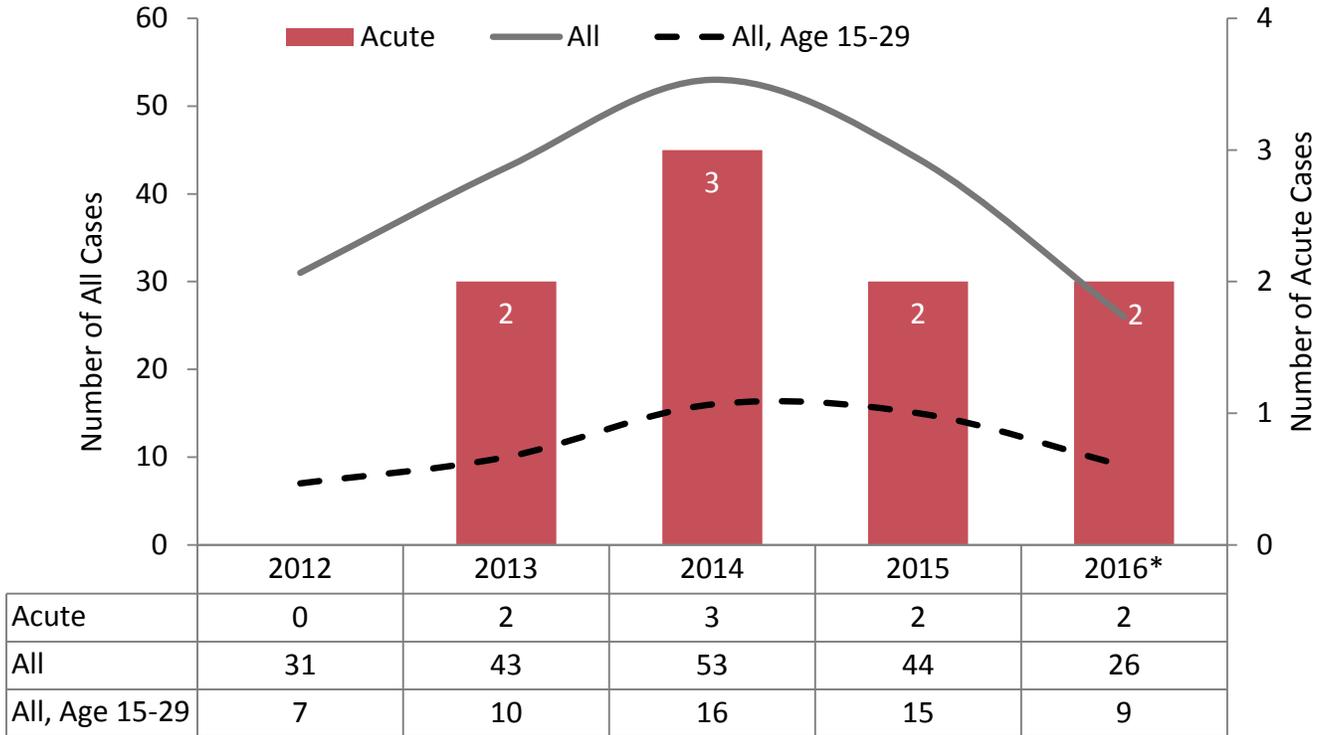
**Table 3. Number and percentage of newly reported HCV cases, Brown County, 2016**

Sex	All HCV		Acute HCV		All HCV, Age 15-29	
	Number	Percent	Number	Percent	Number	Percent
Female	66	42.0	3	60.0	21	50.0
Male	91	58.0	2	40.0	21	50.0
	157	100	5	100	42	100
<b>Age</b>						
0-14	0	0.0	0	0.0	0	0.0
15-19	4	2.5	0	0.0	4	9.5
20-24	16	10.2	1	20.0	16	38.1
25-29	22	14.0	1	20.0	22	52.4
30-34	33	21.0	1	20.0	0	0.0
35-39	10	6.4	0	0.0	0	0.0
40-44	6	3.8	1	20.0	0	0.0
45-49	12	7.6	0	0.0	0	0.0
50-54	18	11.5	0	0.0	0	0.0
55-59	16	10.2	0	0.0	0	0.0
60-64	15	9.6	1	20.0	0	0.0
65+	5	3.2	0	0.0	0	0.0
	157	100	5	100	42	100
<b>Race/Ethnicity</b>						
Hispanic	13	8.3	1	20.0	4	9.5
American Indian	22	14.0	0	0.0	11	26.2
Asian	2	1.3	0	0.0	0	0.0
Black	8	5.1	0	0.0	1	2.4
Unknown	9	5.7	0	0.0	4	9.5
White	103	65.6	4	80.0	22	52.4
	157	100	5	100	42	100
<b>Zip Code</b>						
54115	13	8.3	0	0.0	2	4.8
54126	1	0.6	0	0.0	0	0.0
54130	2	1.3	0	0.0	1	2.4
54155	1	0.6	0	0.0	1	2.4
54162	2	1.3	0	0.0	1	2.4
54173	1	0.6	0	0.0	0	0.0
54208	1	0.6	0	0.0	0	0.0
54301	23	14.6	1	20.0	9	21.4
54302	32	20.4	2	40.0	7	16.7
54303	38	24.2	2	40.0	8	19.0
54304	17	10.8	0	0.0	4	9.5
54305	1	0.6	0	0.0	0	0.0
54311	12	7.6	0	0.0	4	9.5
54313	13	8.3	0	0.0	5	11.9
	157	100	5	100	42	100

# Douglas County

## Trends

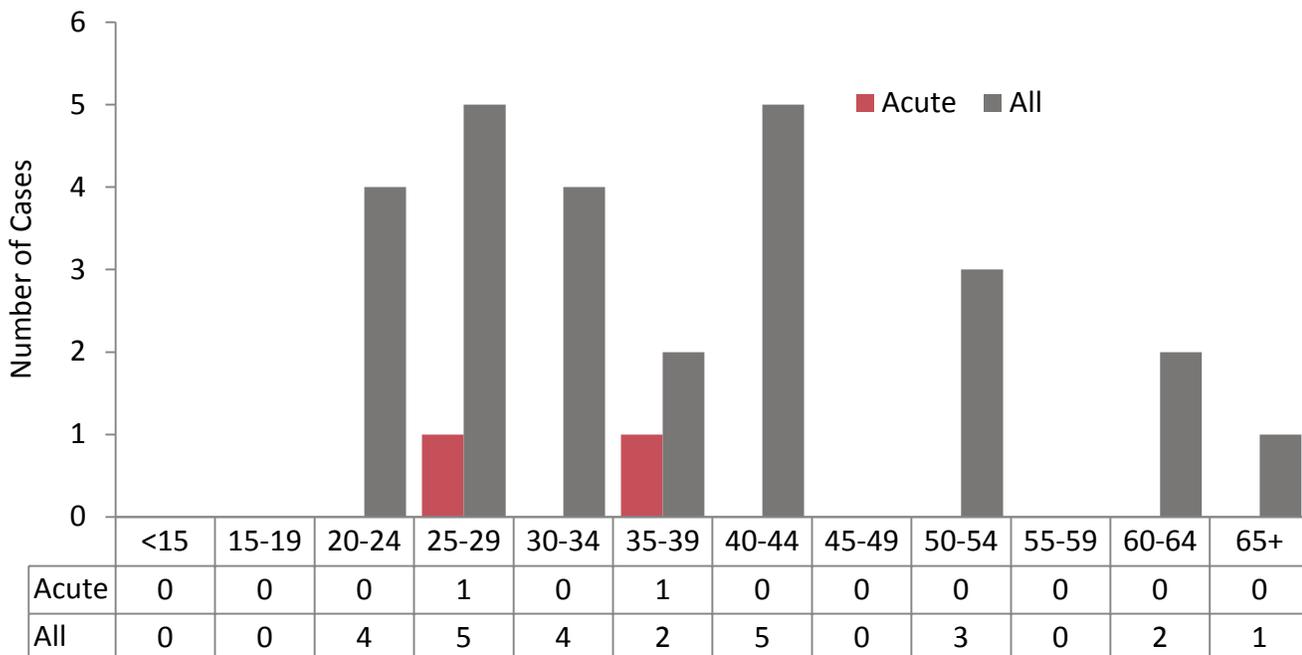
**Figure 12. Number of newly reported HCV cases, by year of report, Douglas County, 2012–2016**



\*In 2016, the acute case definition changed to include patients with ALT >200 IU/L (lowered from >400 IU/L). In Douglas County this accounted for no additional acute cases.

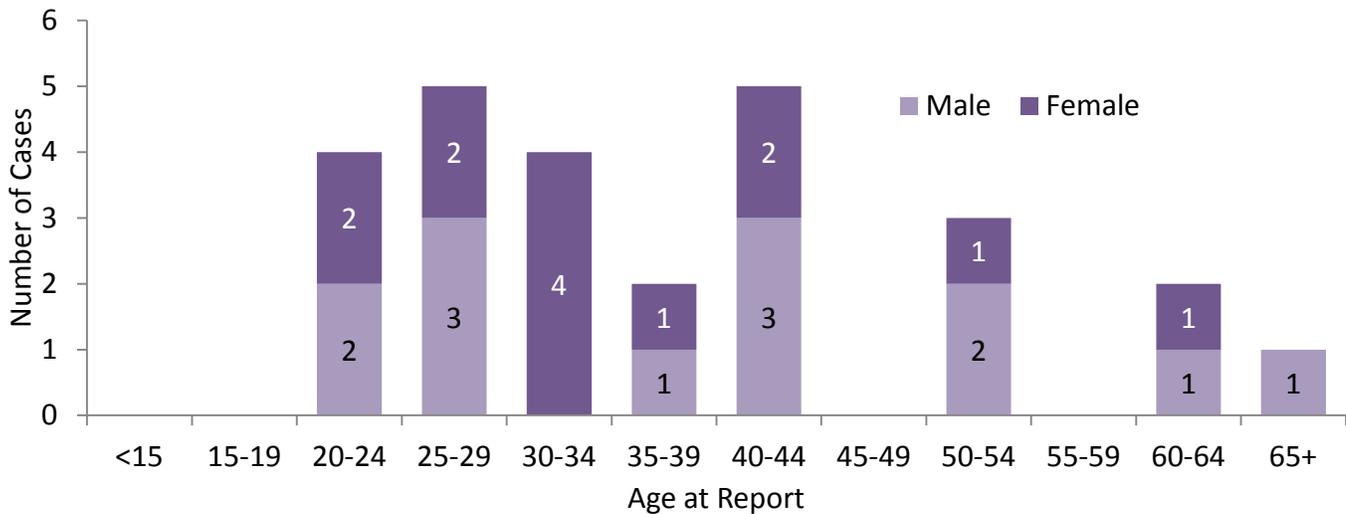
## By Age

**Figure 13. Number of newly reported HCV cases, by age at report, Douglas County, 2016**

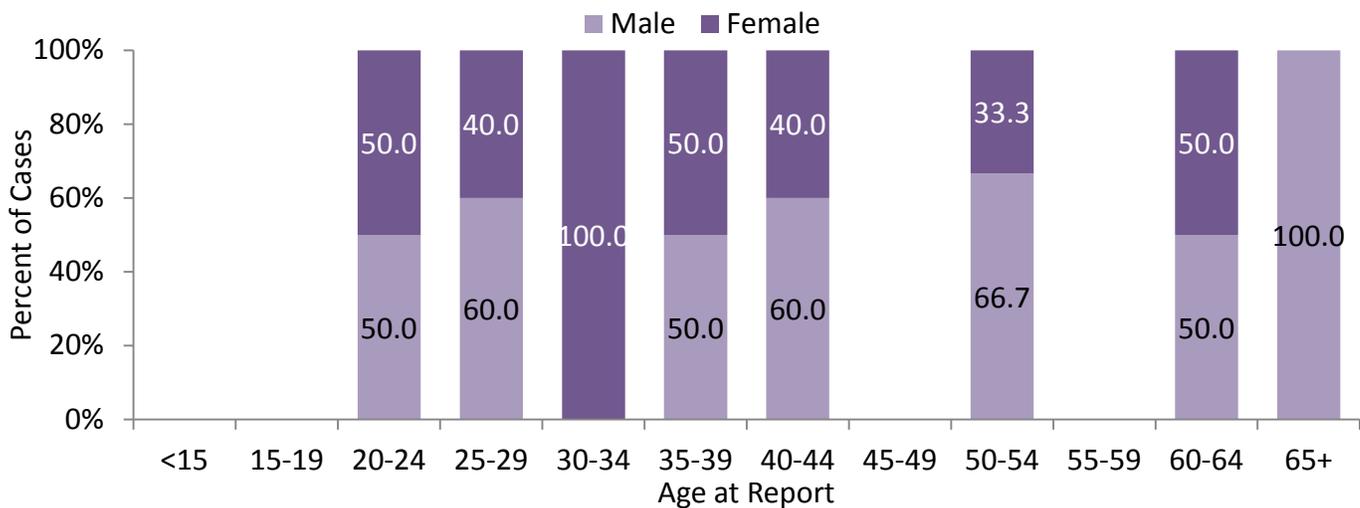


## By Age and Sex

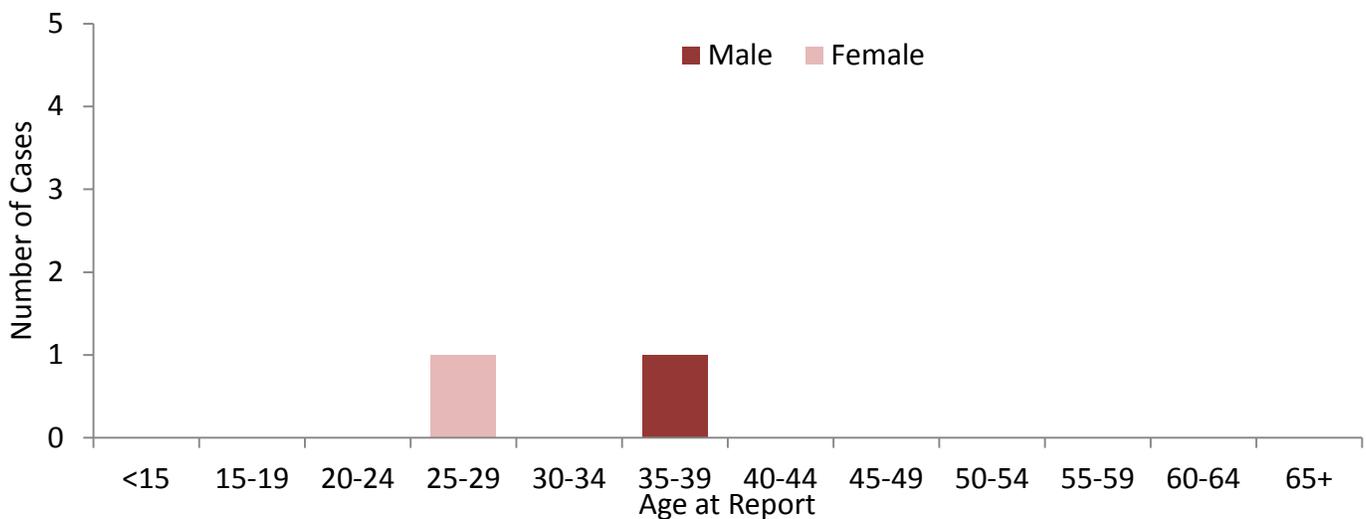
**Figure 14. Number of all newly reported HCV cases, by age at report and sex, Douglas County, 2016**



**Figure 15. Percent of all newly reported HCV cases, by age at report and sex, Douglas County, 2016**

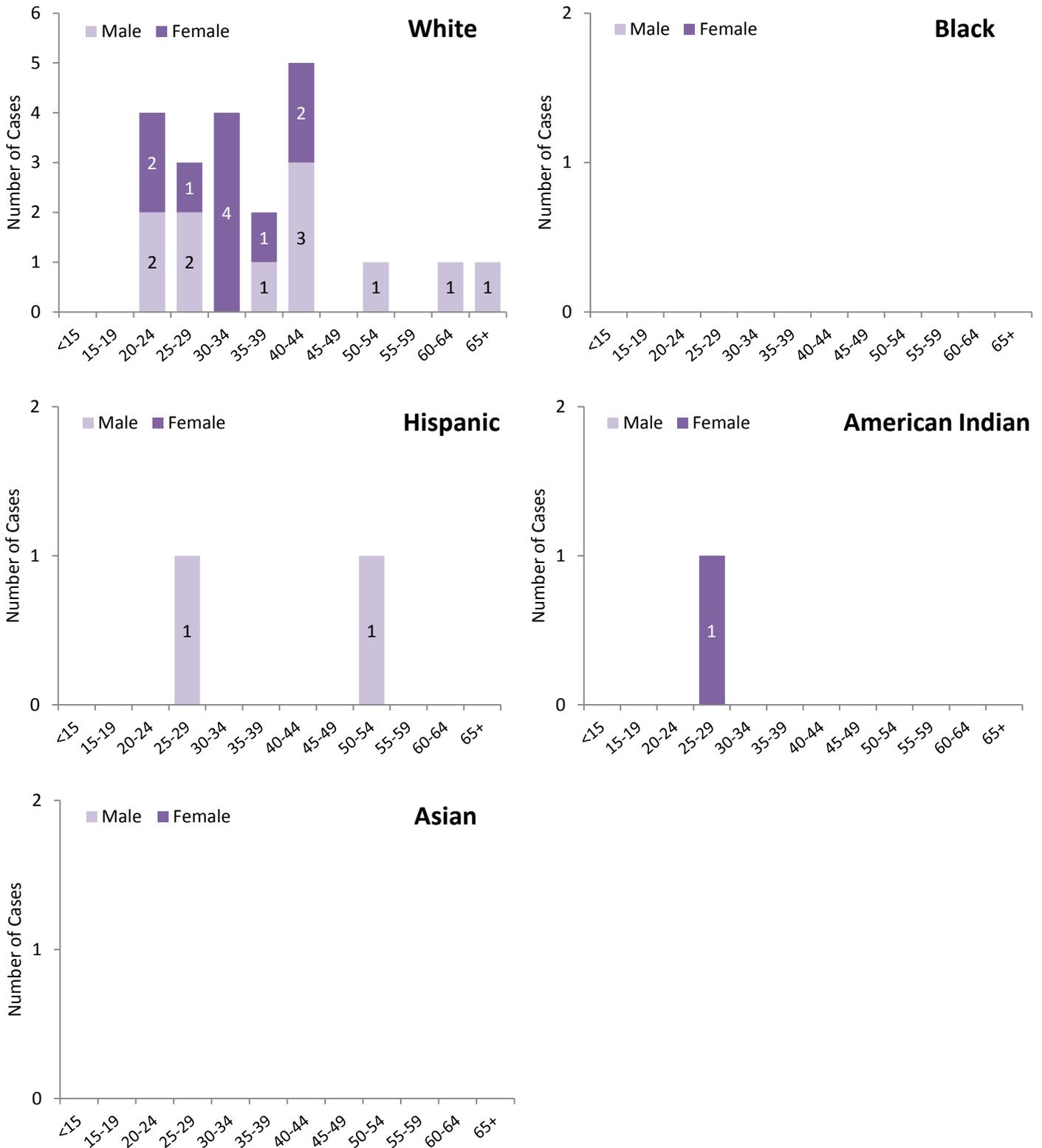


**Figure 16. Number of acute HCV cases, by age at report and sex, Douglas County, 2016**



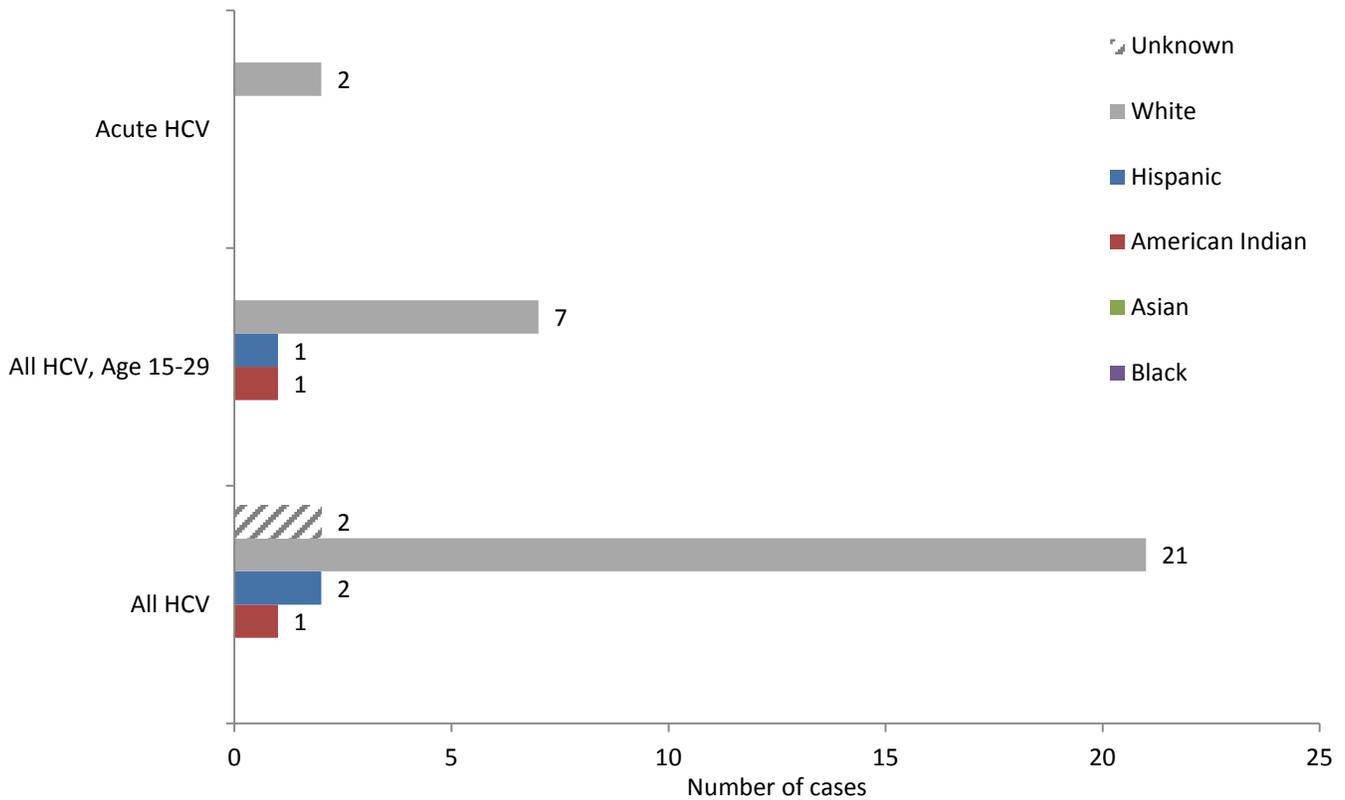
## By Age, Sex, and Race and Ethnicity

**Figure 17. Number of all newly reported HCV cases, by age at report, sex, and race and ethnicity, Douglas County, 2016**

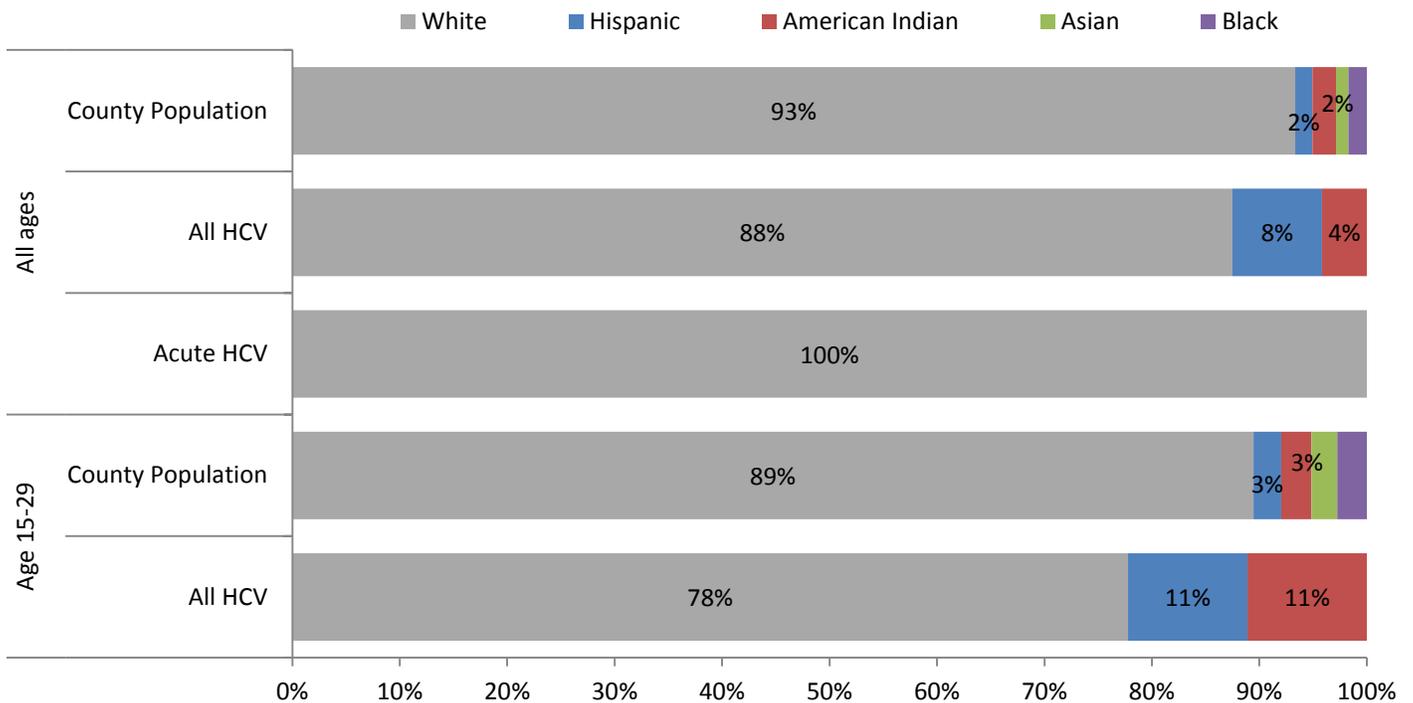


## By Race and Ethnicity

**Figure 18. Number of newly reported HCV cases, by race and ethnicity, Douglas County, 2016**

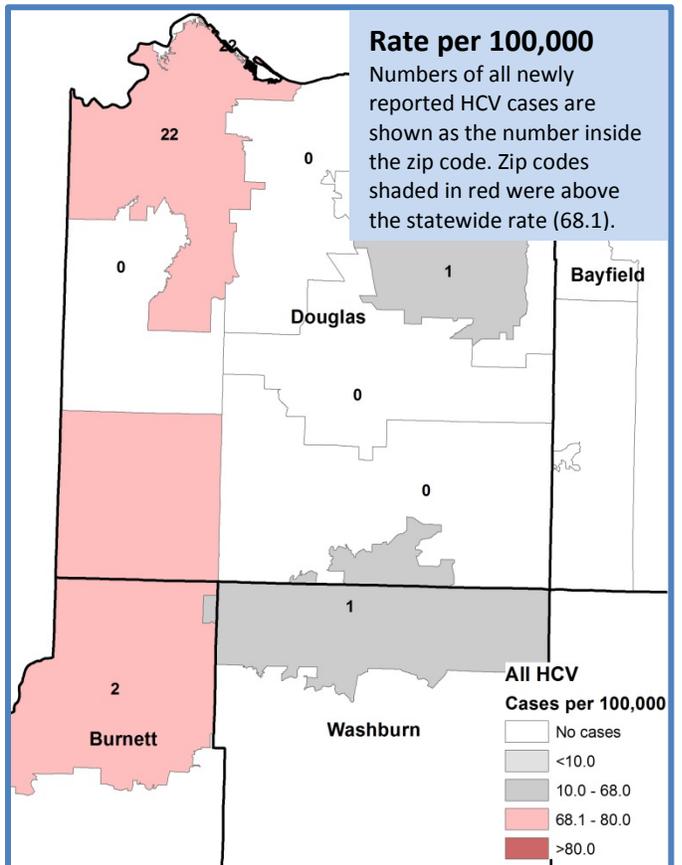
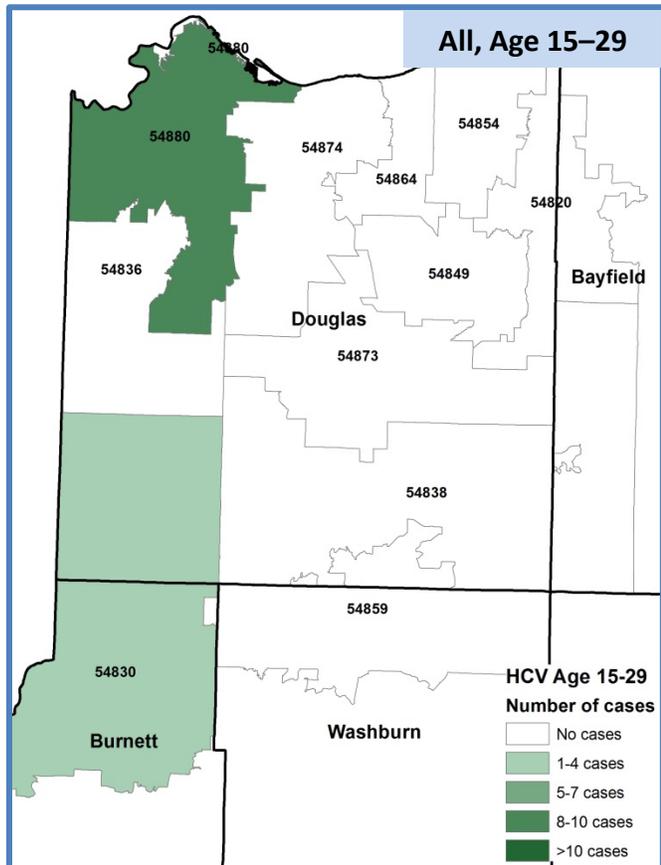
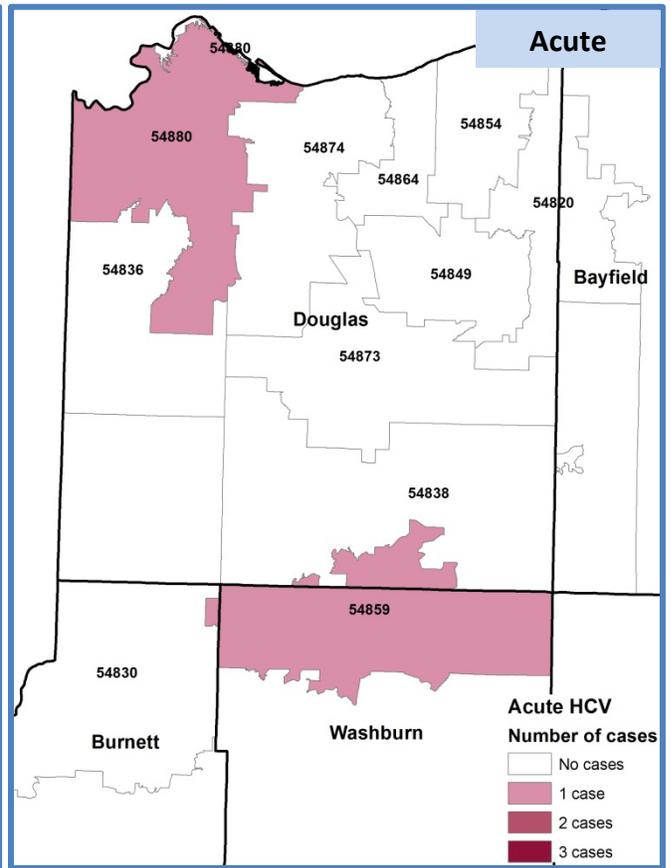
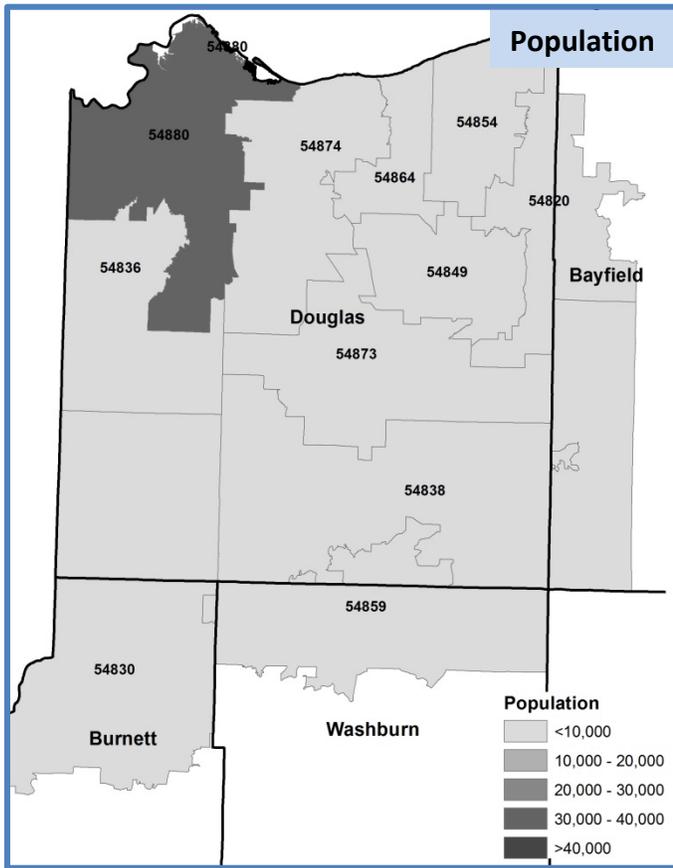


**Figure 19. Percent of HCV cases by race and ethnicity, compared to county population, Douglas County, 2016**



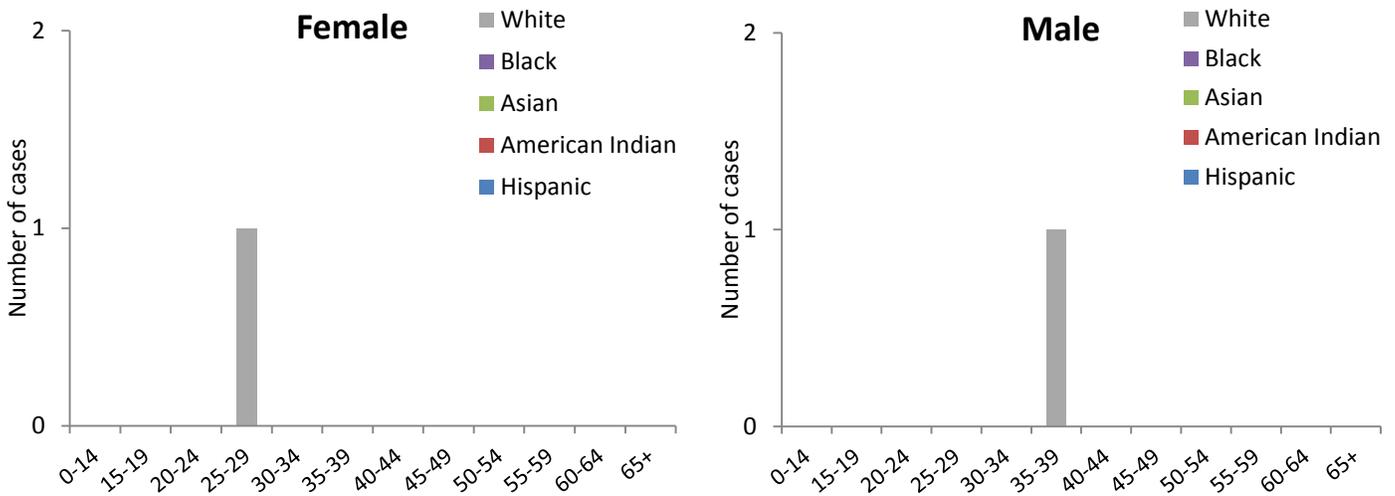
Note: 2 HCV cases had unknown race and ethnicity and are not included in the figure above.

# By Zip Code

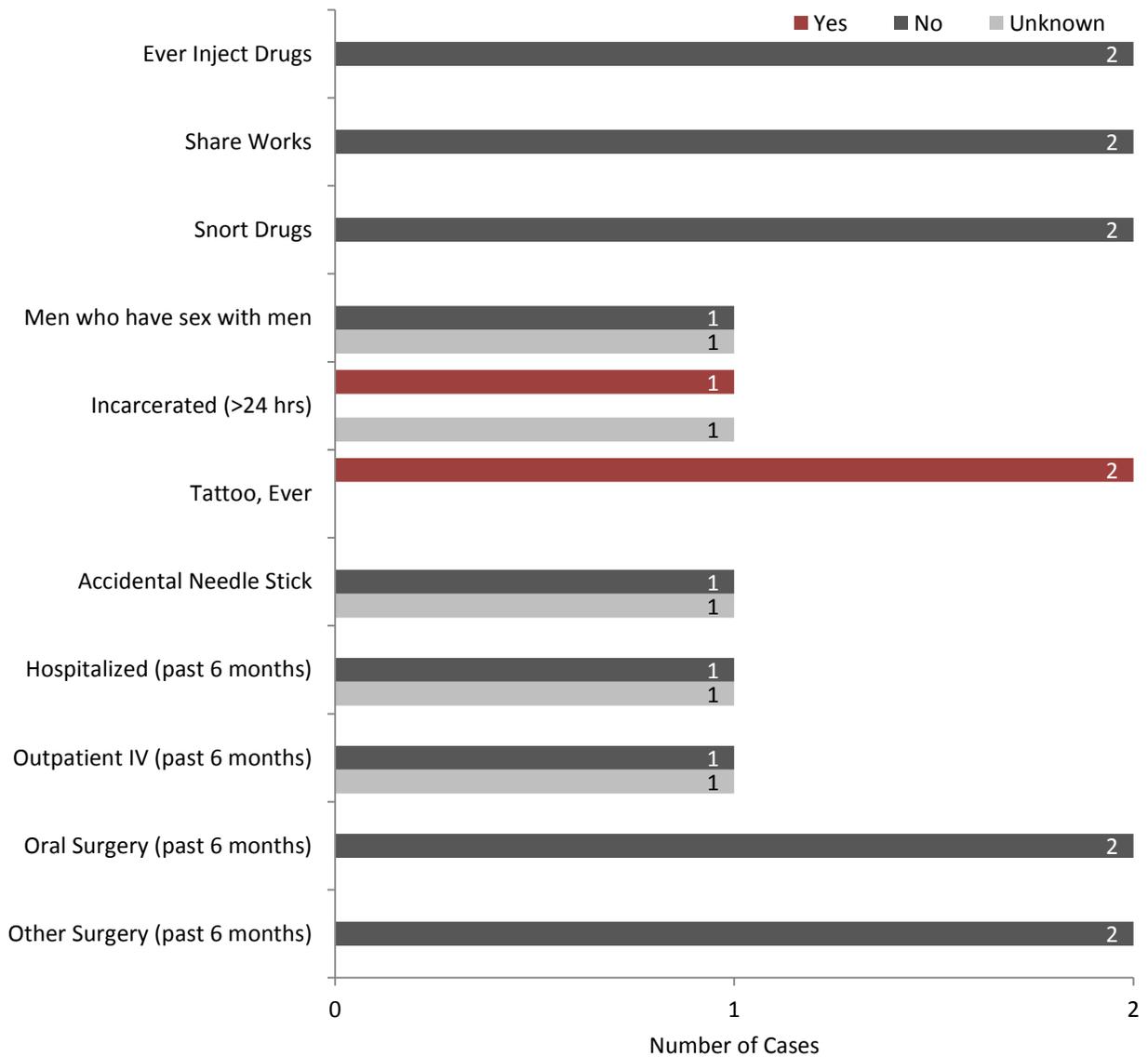


## Acute Cases

**Figure 20. Number of acute HCV cases by sex, age, and race and ethnicity, Douglas County, 2016**



**Figure 21. Number of acute HCV cases by risk, Douglas County, 2016**



## Data Table

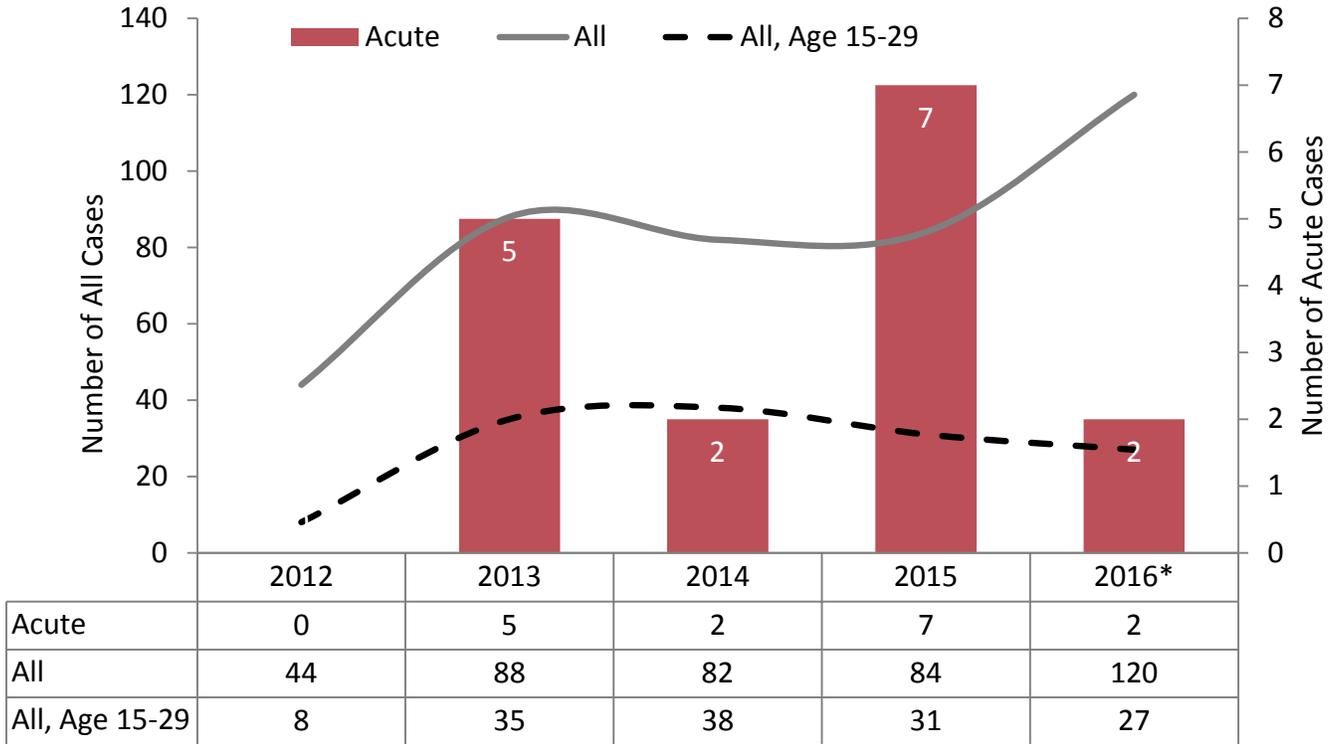
**Table 4. Number and percentage of newly reported HCV cases, Douglas County, 2016**

<b>Sex</b>	<b>All HCV</b>		<b>Acute HCV</b>		<b>All HCV, Age 15–29</b>	
	Number	Percent	Number	Percent	Number	Percent
Female	13	50.0	1	50.0	4	44.4
Male	13	50.0	1	50.0	5	55.6
	26	100	2	100	9	100
<b>Age</b>						
0–14	0	0.0	0	0.0	0	0.0
15–19	0	0.0	0	0.0	0	0.0
20–24	4	15.4	0	0.0	4	44.4
25–29	5	19.2	1	50.0	5	55.6
30–34	4	15.4	0	0.0	0	0.0
35–39	2	7.7	1	50.0	0	0.0
40–44	5	19.2	0	0.0	0	0.0
45–49	0	0.0	0	0.0	0	0.0
50–54	3	11.5	0	0.0	0	0.0
55–59	0	0.0	0	0.0	0	0.0
60–64	2	7.7	0	0.0	0	0.0
65+	1	3.8	0	0.0	0	0.0
	26	100	2	100	9	100
<b>Race/Ethnicity</b>						
Hispanic	2	7.7	0	0.0	1	11.1
American Indian	1	3.8	0	0.0	1	11.1
Asian	0	0.0	0	0.0	0	0.0
Black	0	0.0	0	0.0	0	0.0
Unknown	2	7.7	0	0.0	0	0.0
White	21	80.8	2	100.0	7	77.8
	26	100	2	100	9	100
<b>Zip Code</b>						
54830	2	7.7	0	0.0	1	11.1
54849	1	3.8	0	0.0	0	0.0
54859	1	3.8	1	50.0	0	0.0
54880	22	84.6	1	50.0	8	88.9
	26	100	2	100	9	100

# Eau Claire County

## Trends

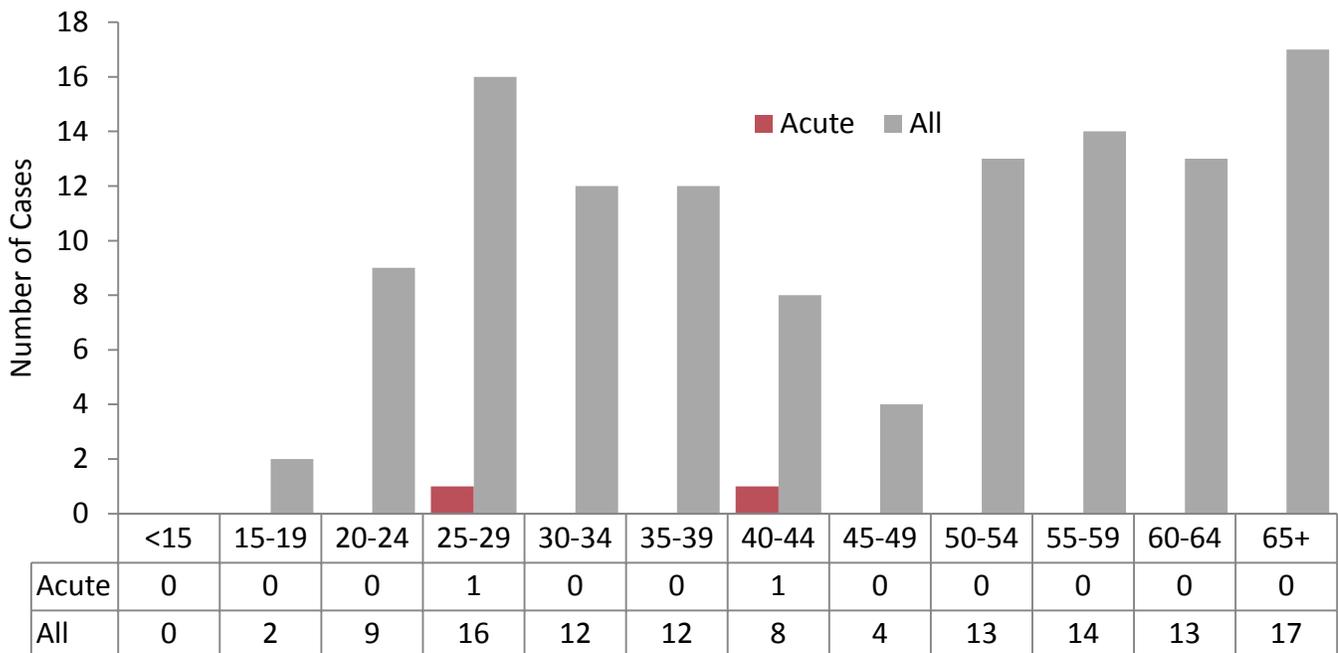
**Figure 22. Number of newly reported HCV cases, by year of report, Eau Claire County, 2012–2016**



\*In 2016, the acute case definition changed to include patients with ALT >200 IU/L (lowered from >400 IU/L). In Eau Claire County this accounted for no additional acute cases.

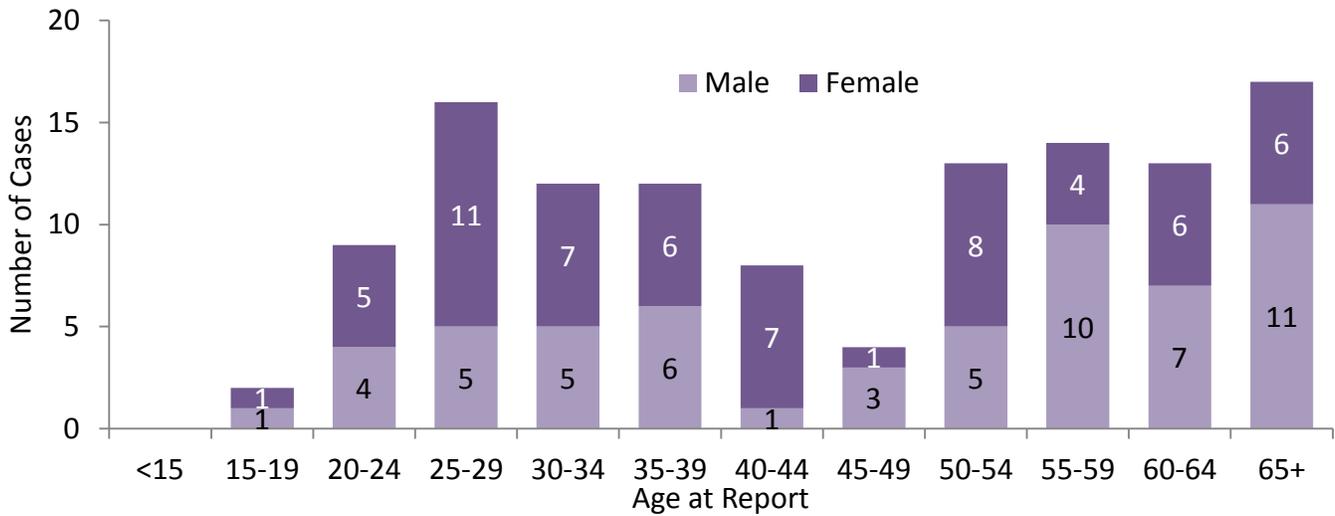
## By Age

**Figure 23. Number of newly reported HCV cases, by age at report, Eau Claire County, 2016**

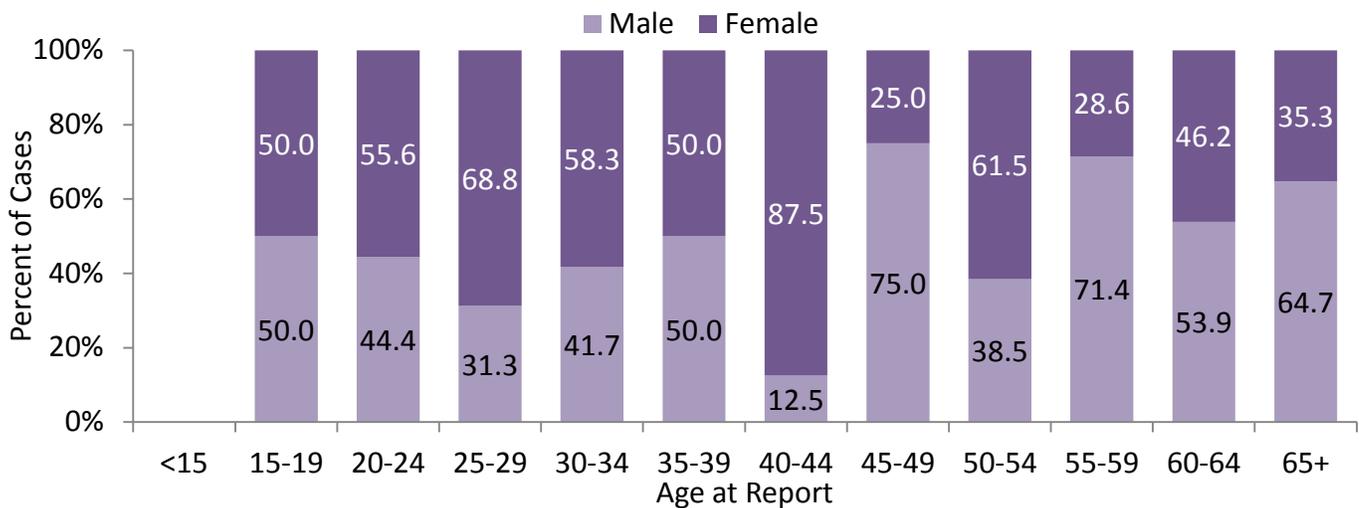


## By Age and Sex

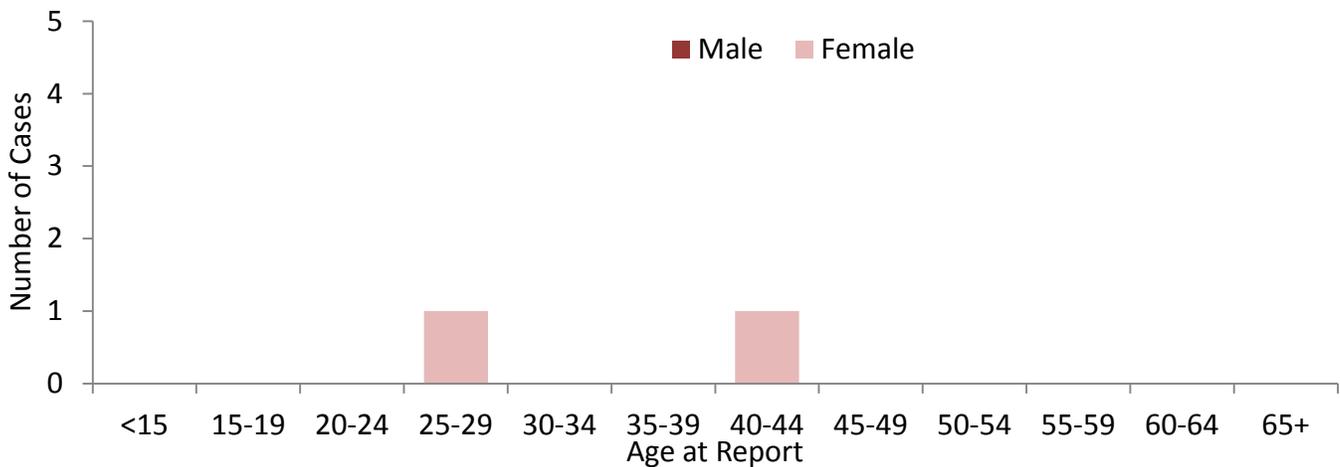
**Figure 24. Number of all newly reported HCV cases, by age at report and sex, Eau Claire County, 2016**



**Figure 25. Percent of all newly reported HCV cases, by age at report and sex, Eau Claire County, 2016**

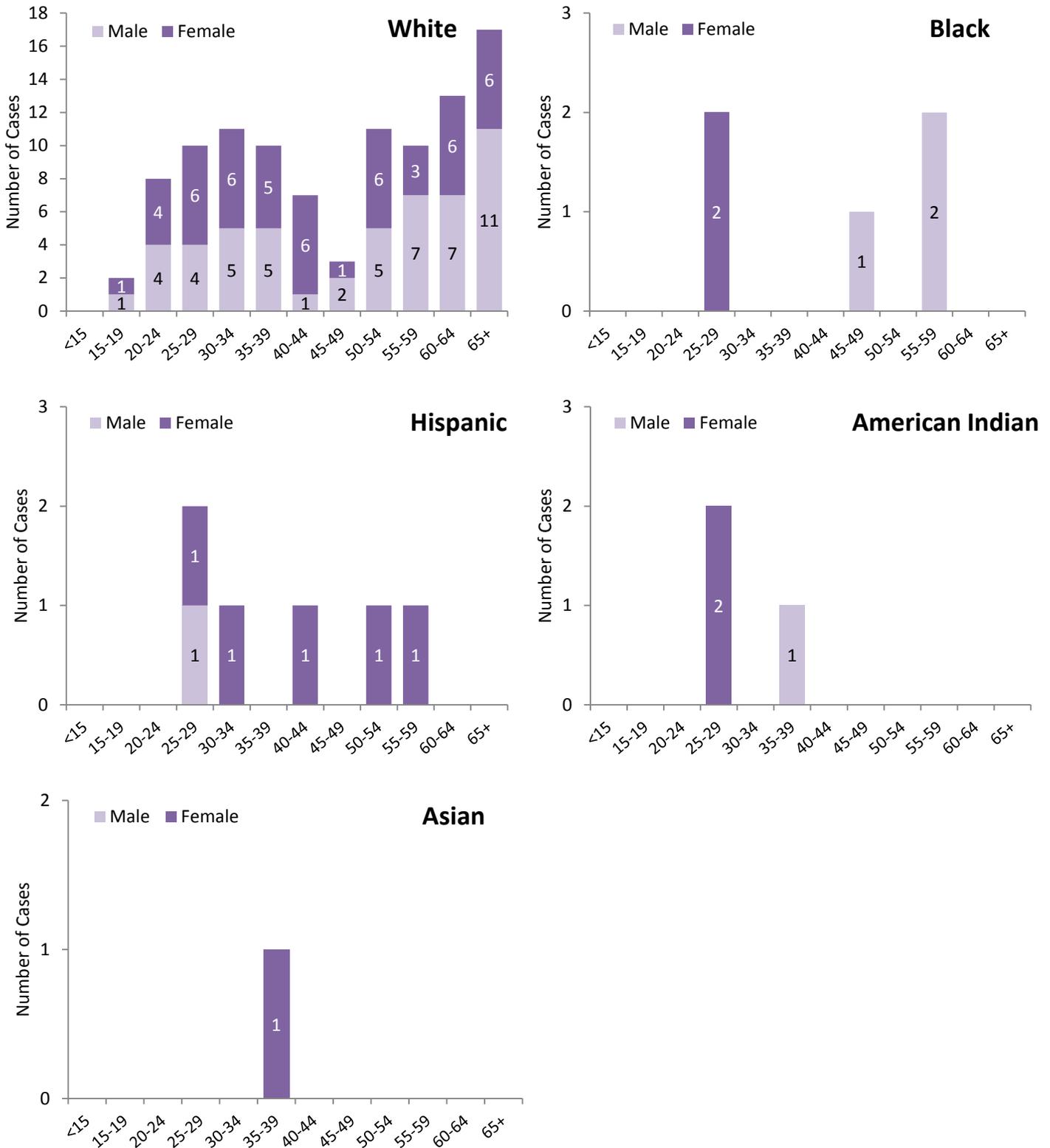


**Figure 26. Number of acute HCV cases, by age at report and sex, Eau Claire County, 2016**



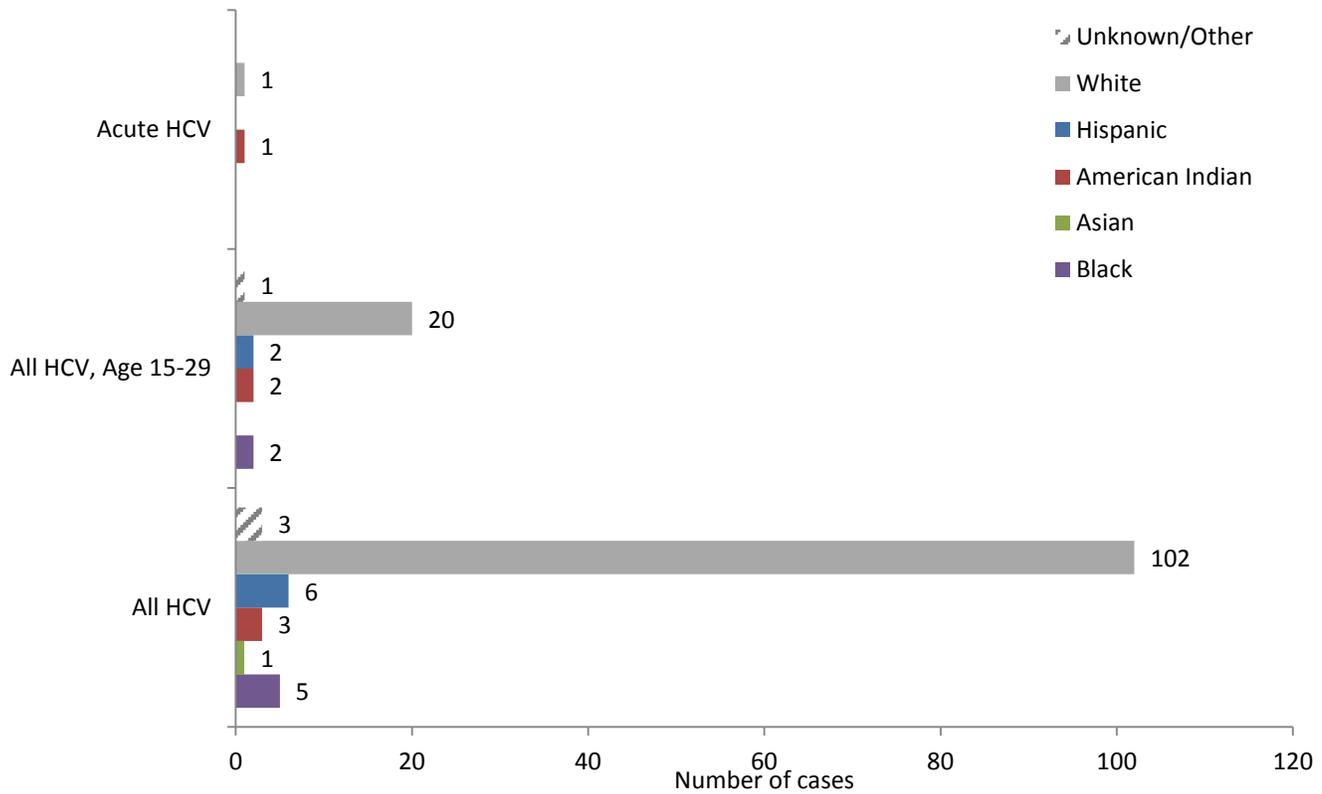
## By Age, Sex, and Race and Ethnicity

**Figure 27. Number of all newly reported HCV cases, by age at report, sex, and race and ethnicity, Eau Claire County, 2016**

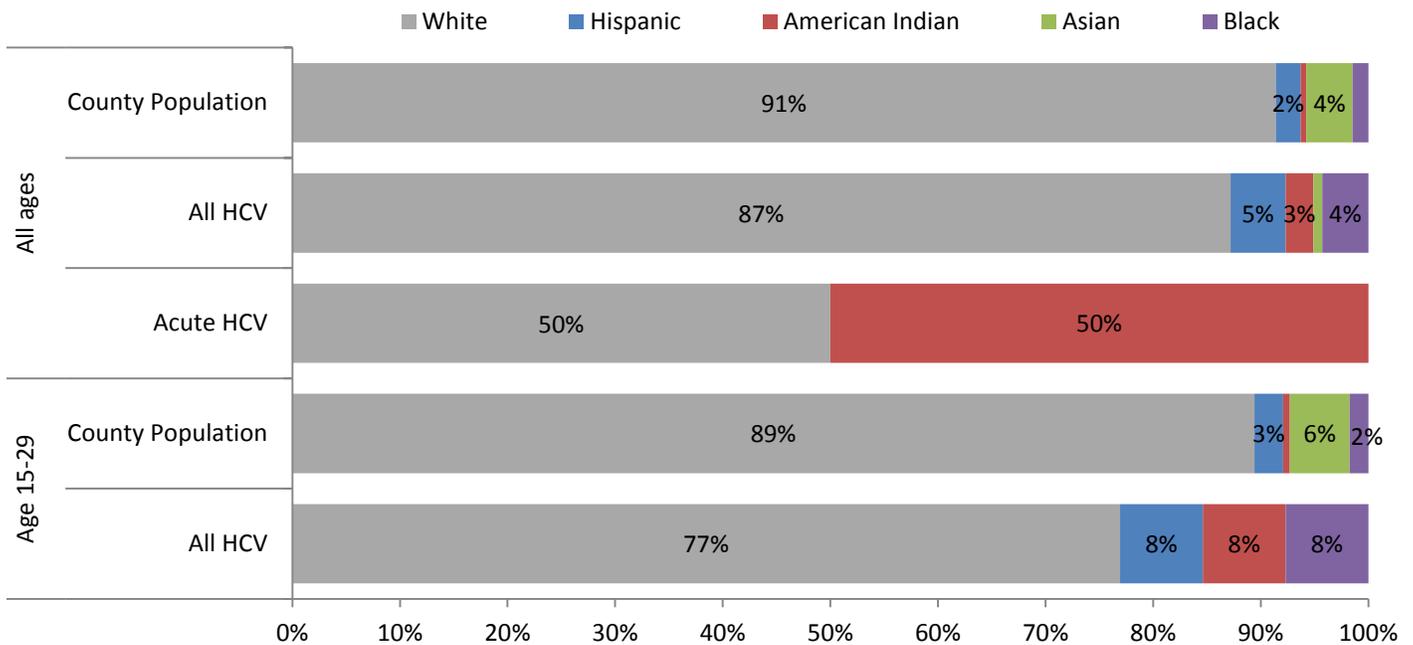


## By Race and Ethnicity

**Figure 28. Number of newly reported HCV cases, by race and ethnicity, Eau Claire County, 2016**

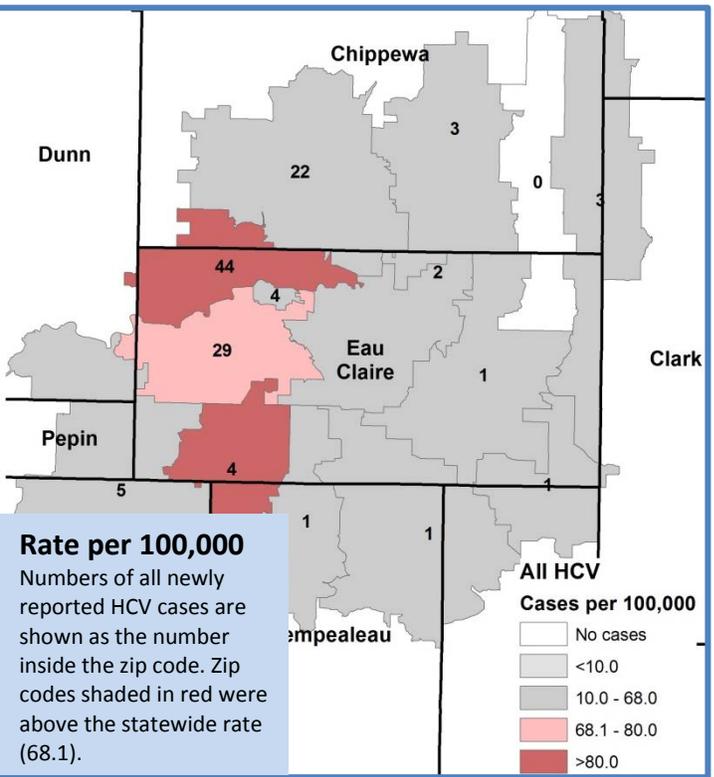
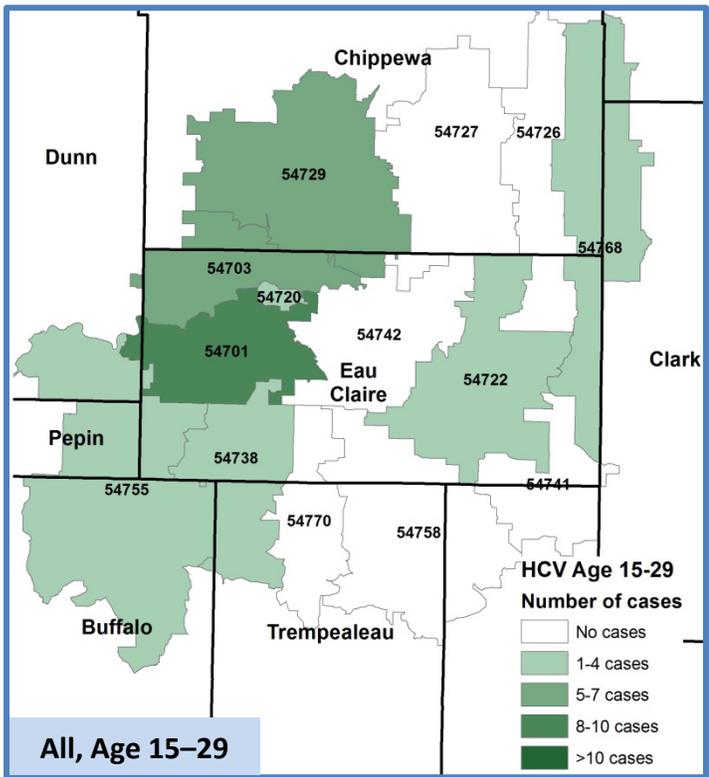
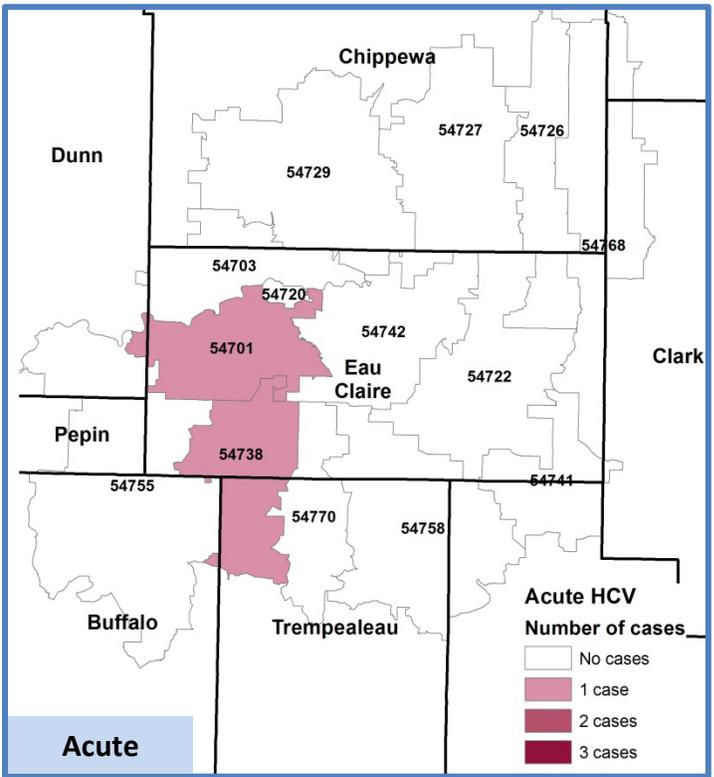
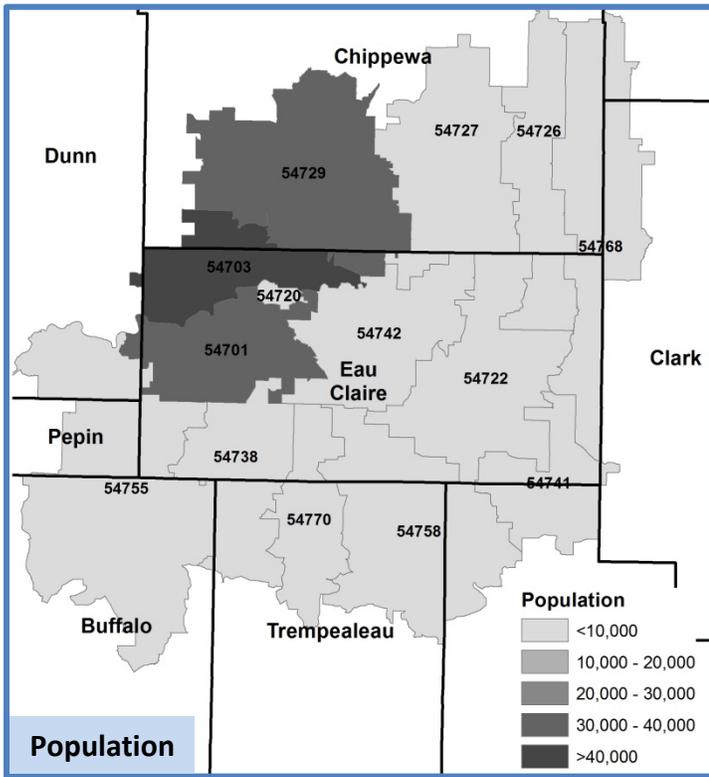


**Figure 29. Percent of HCV cases by race and ethnicity, compared to county population, Eau Claire County, 2016**



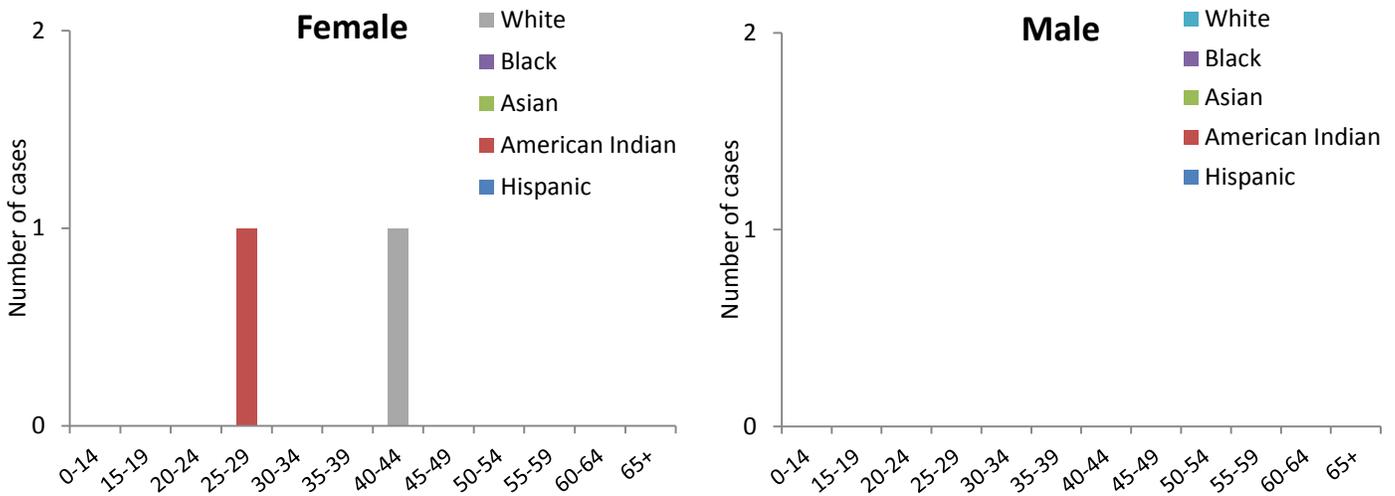
Note: 3 HCV cases (including 1 aged 15–29 years) had unknown or other race and ethnicity and are not included in the figure above.

# By Zip Code

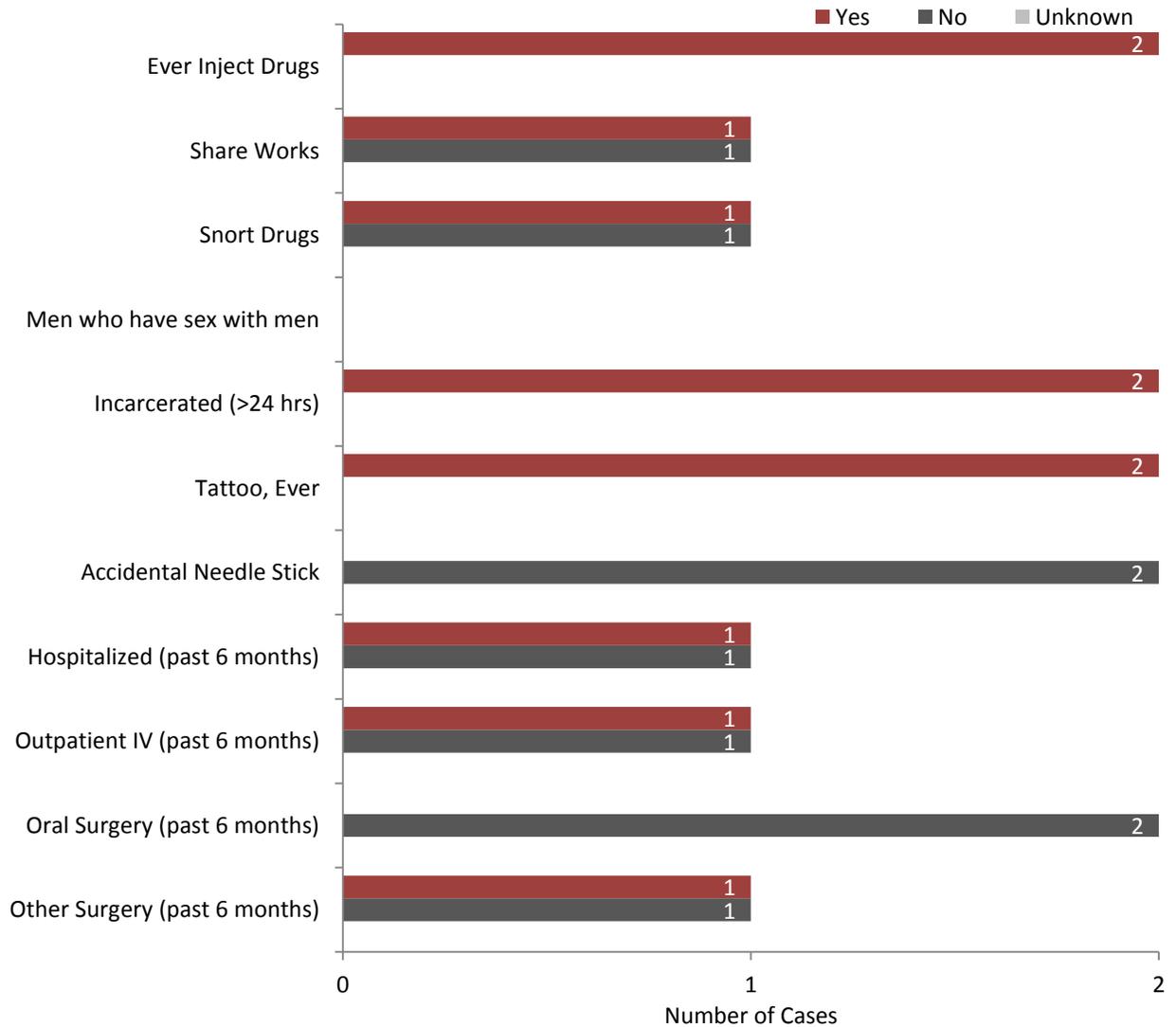


## Acute Cases

**Figure 30. Number of acute HCV cases by sex, age, and race and ethnicity, Eau Claire County, 2016**



**Figure 31. Number of acute HCV cases, by risk, Eau Claire County, 2016**



## Data Table

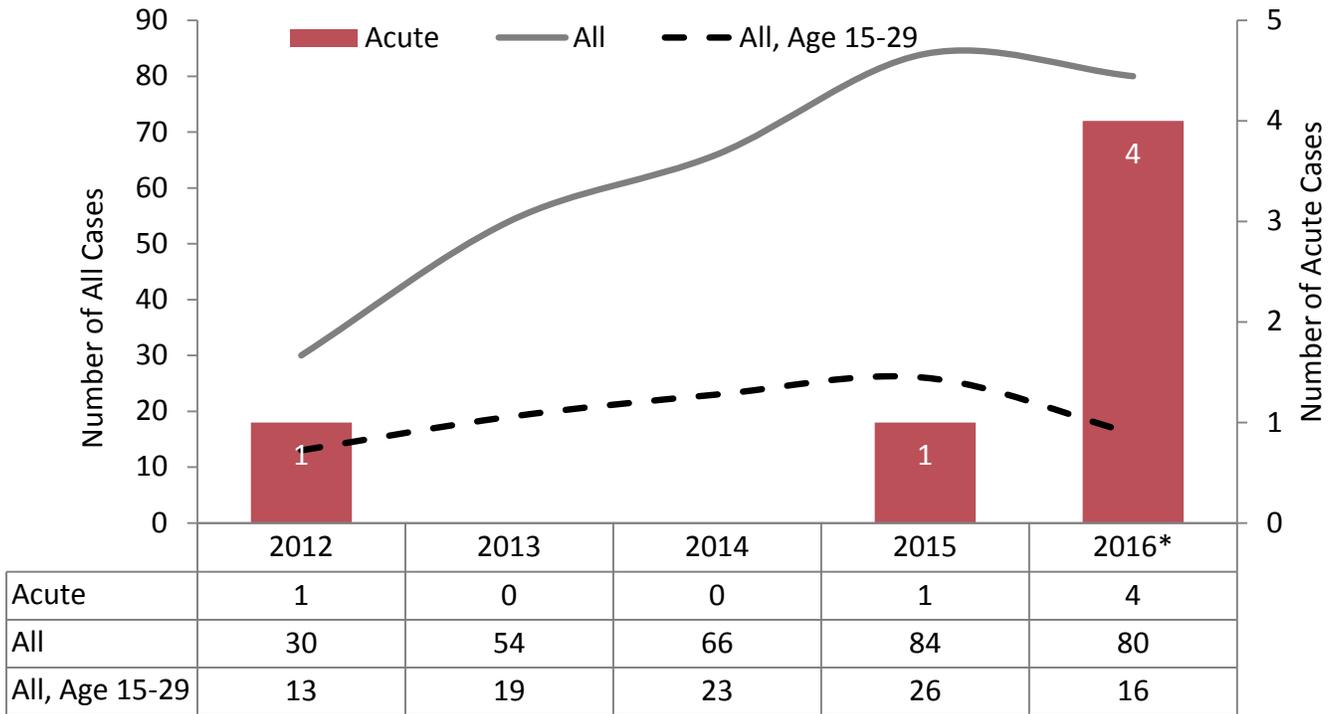
**Table 5. Number and percentage of newly reported HCV cases, Eau Claire County, 2016**

	All HCV		Acute HCV		All HCV, Age 15–29	
	N	%	N	%	N	%
<b>Sex</b>						
Female	62	51.7	2	100.0	17	63.0
Male	58	48.3	0	0.0	10	37.0
	120	100	2	100	27	100
<b>Age</b>						
0–14						
15–19	2	1.7	0	0.0	2	7.4
20–24	9	7.5	0	0.0	9	33.3
25–29	16	13.3	1	50.0	16	59.3
30–34	12	10.0	0	0.0	0	0.0
35–39	12	10.0	0	0.0	0	0.0
40–44	8	6.7	1	50.0	0	0.0
45–49	4	3.3	0	0.0	0	0.0
50–54	13	10.8	0	0.0	0	0.0
55–59	14	11.7	0	0.0	0	0.0
60–64	13	10.8	0	0.0	0	0.0
65+	17	14.2	0	0.0	0	0.0
	120	100	2	100	27	100
<b>Race/Ethnicity</b>						
Hispanic	6	5.0	0	0.0	2	7.4
American Indian	3	2.5	1	50.0	2	7.4
Asian	1	0.8	0	0.0	0	0.0
Black	5	4.2	0	0.0	2	7.4
Other	1	0.8	0	0.0	1	3.7
Unknown	2	1.7	0	0.0	0	0.0
White	102	85.0	1	50.0	20	74.1
	120	100	2	100	27	100
<b>Zip Code</b>						
54701	29	24.2	1	50.0	9	33.3
54703	44	36.7	0	0.0	7	25.9
54720	4	3.3	0	0.0	1	3.7
54722	1	0.8	0	0.0	1	3.7
54727	3	2.5	0	0.0	0	0.0
54729	22	18.3	0	0.0	5	18.5
54738	4	3.3	1	50.0	2	7.4
54741	1	0.8	0	0.0	0	0.0
54742	2	1.7	0	0.0	0	0.0
54755	5	4.2	0	0.0	1	3.7
54758	1	0.8	0	0.0	0	0.0
54768	3	2.5	0	0.0	1	3.7
54770	1	0.8	0	0.0	0	0.0
	120	100	2	100	27	100

# La Crosse County

## Trends

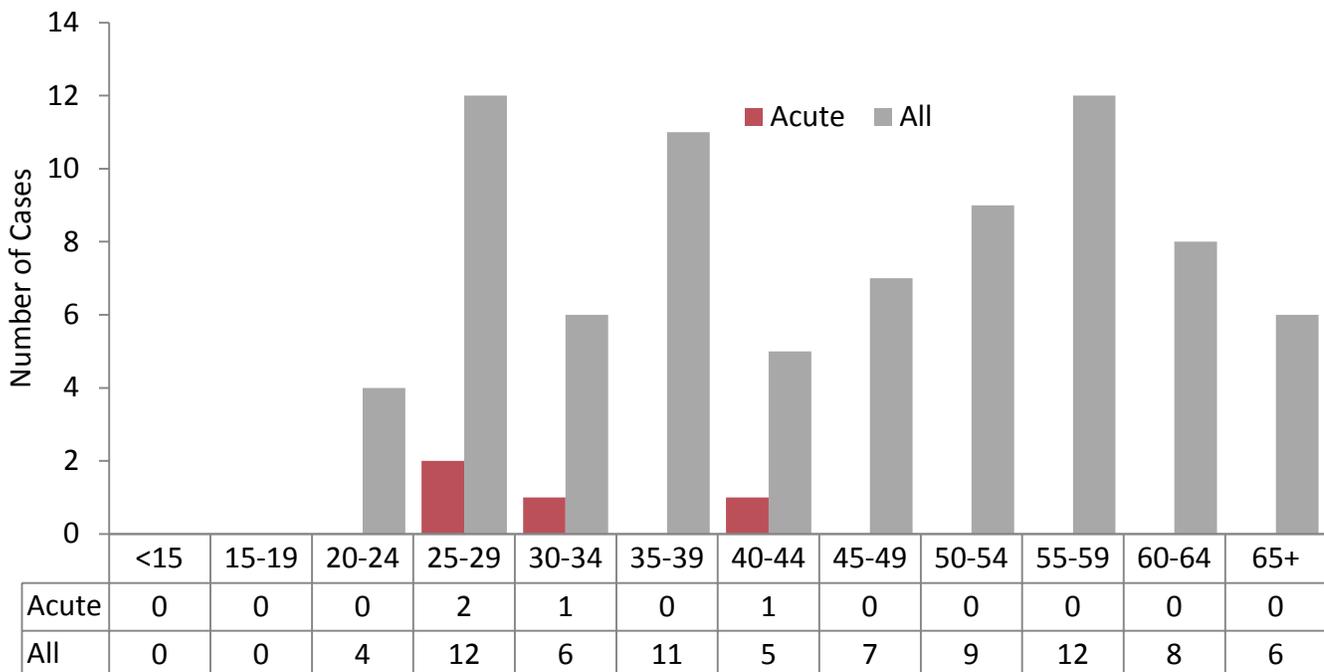
**Figure 32. Number of newly reported HCV cases, by year of report, La Crosse County, 2012–2016**



\*In 2016, the acute case definition changed to include patients with ALT >200 IU/L (lowered from >400 IU/L). In La Crosse County this accounted for no additional acute cases.

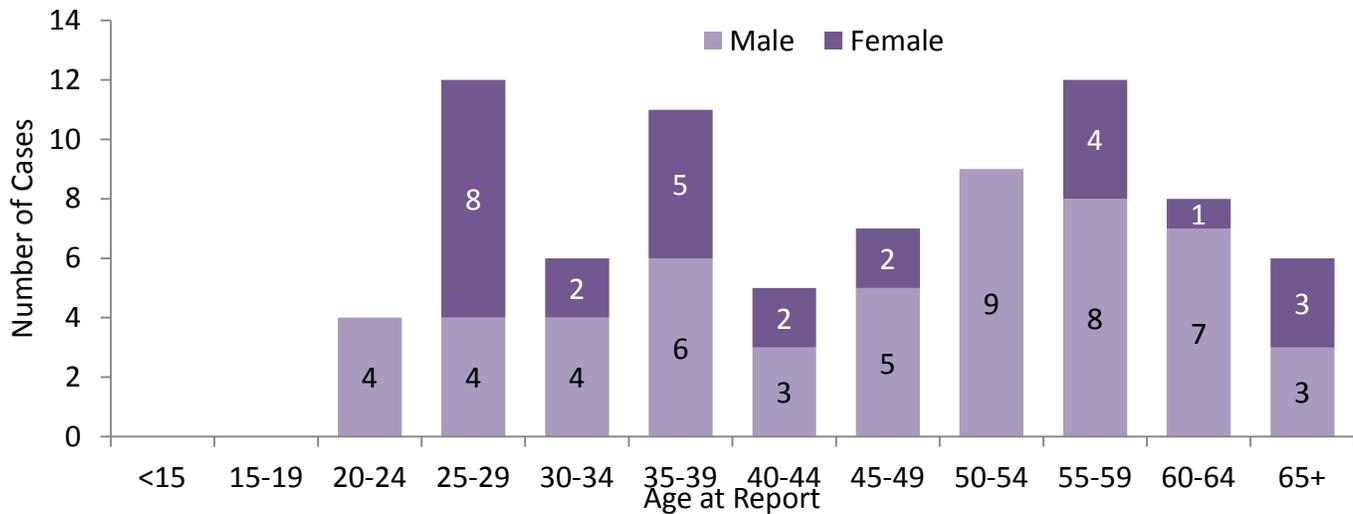
## By Age

**Figure 33. Number of newly reported HCV cases, by age at report, La Crosse County, 2016**

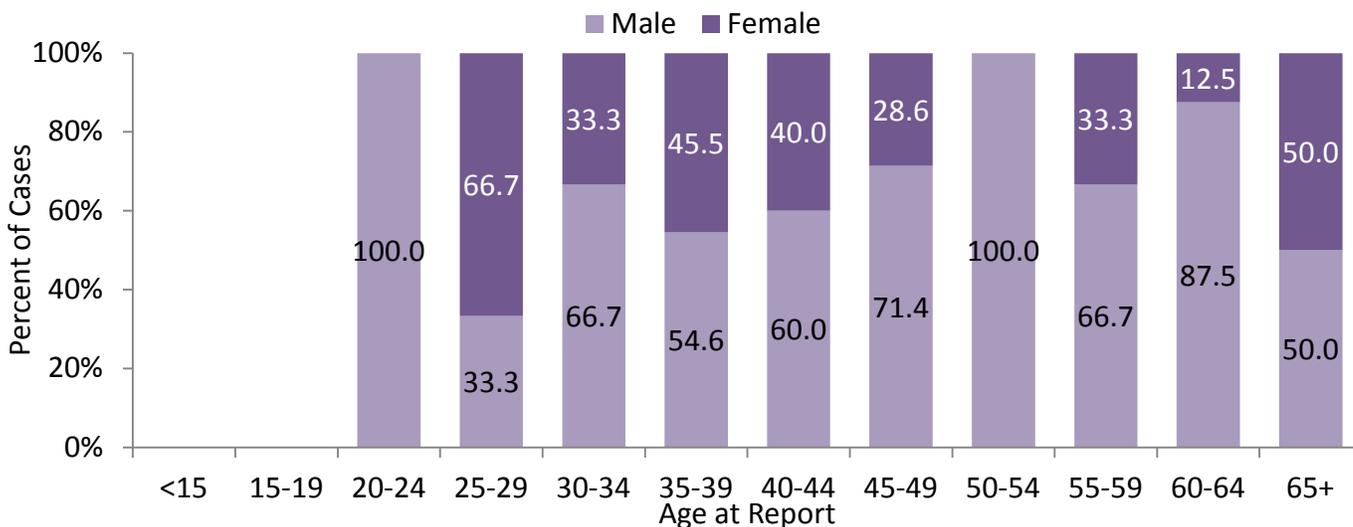


## By Age and Sex

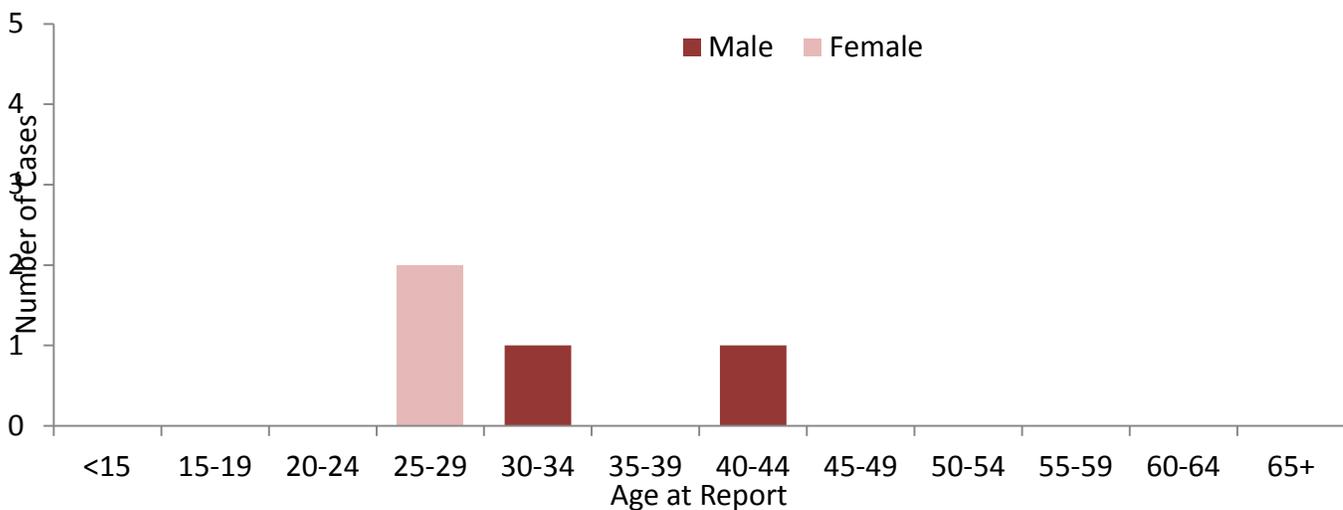
**Figure 34. Number of all newly reported HCV cases, by age at report and sex, La Crosse County, 2016**



**Figure 35. Percent of all newly reported HCV cases, by age at report and sex, La Crosse County, 2016**

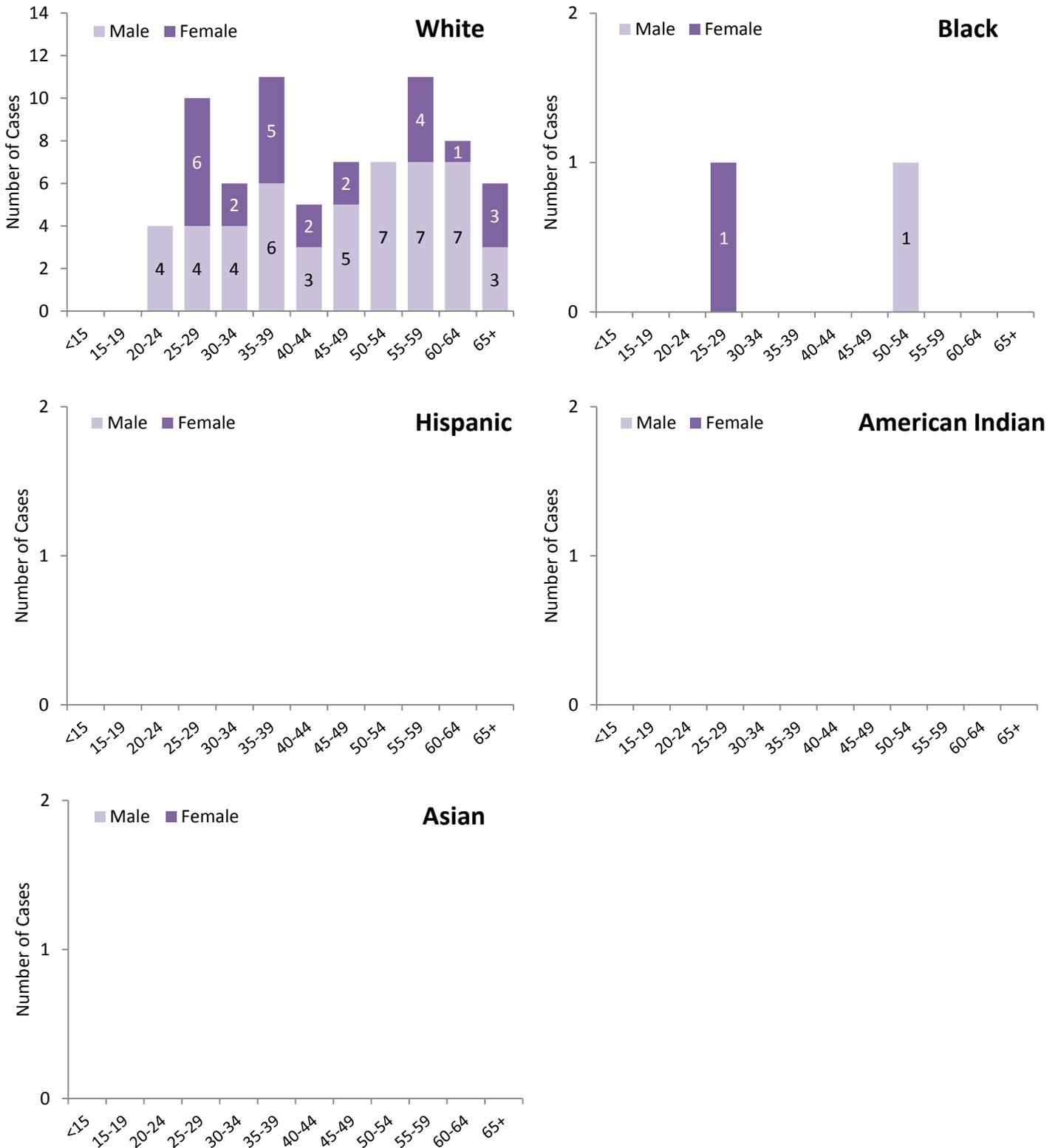


**Figure 36. Number of acute HCV cases, by age at report and sex, La Crosse County, 2016**



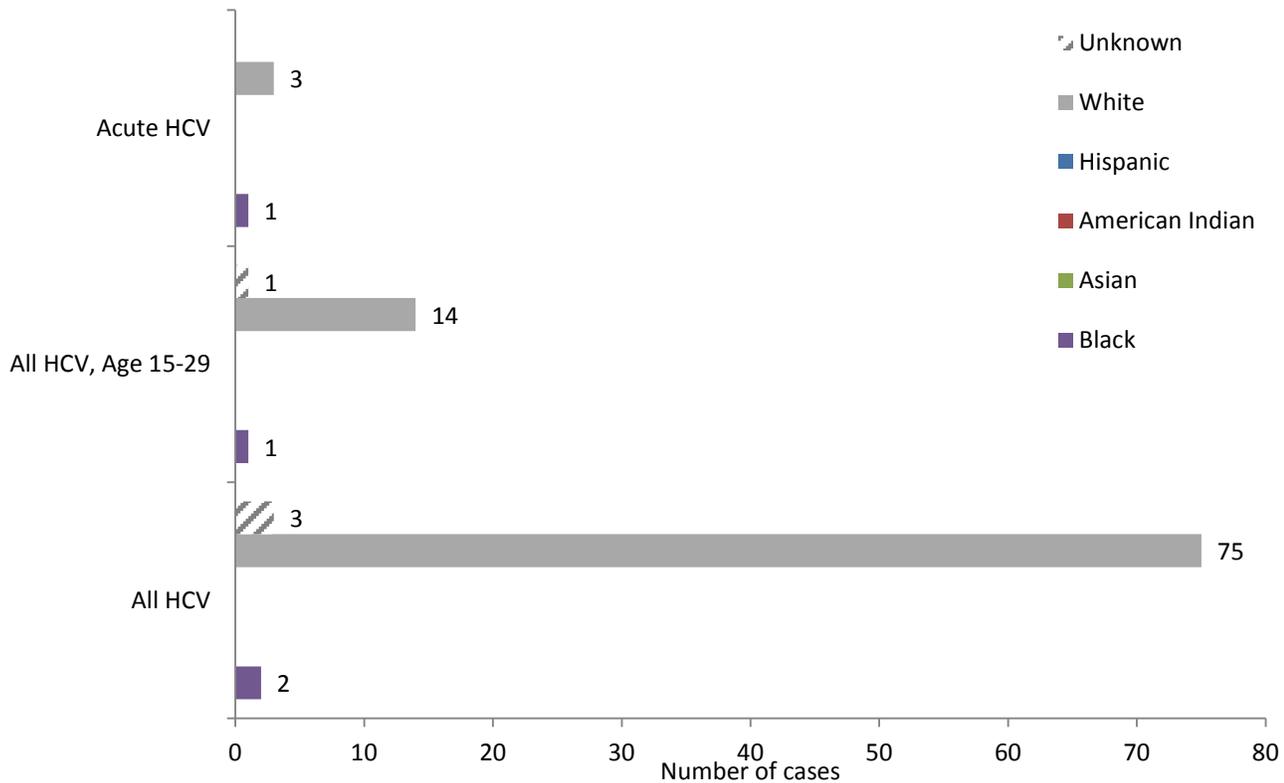
## By Age, Sex, and Race and Ethnicity

**Figure 37. Number of all newly reported HCV cases, by age at report, sex, and race and ethnicity, La Crosse County, 2016**

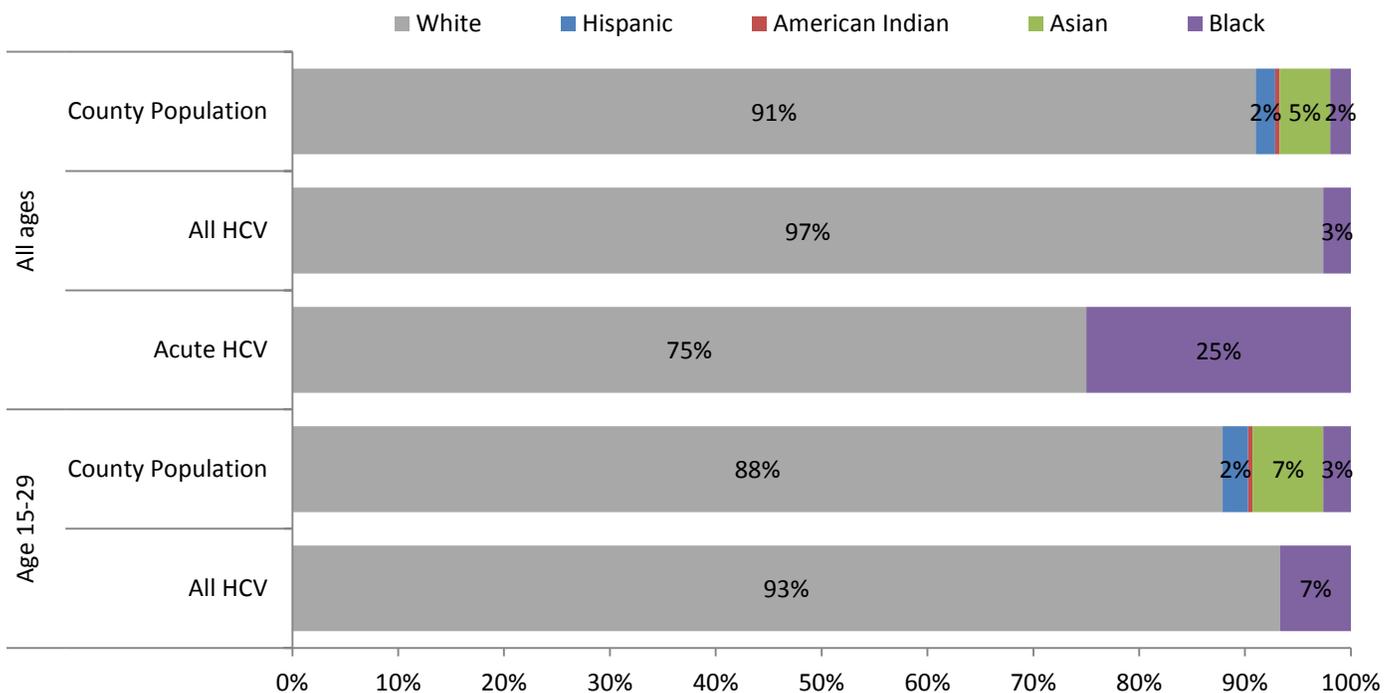


## By Race and Ethnicity

**Figure 38. Number of newly reported HCV cases, by race and ethnicity, La Crosse County, 2016**

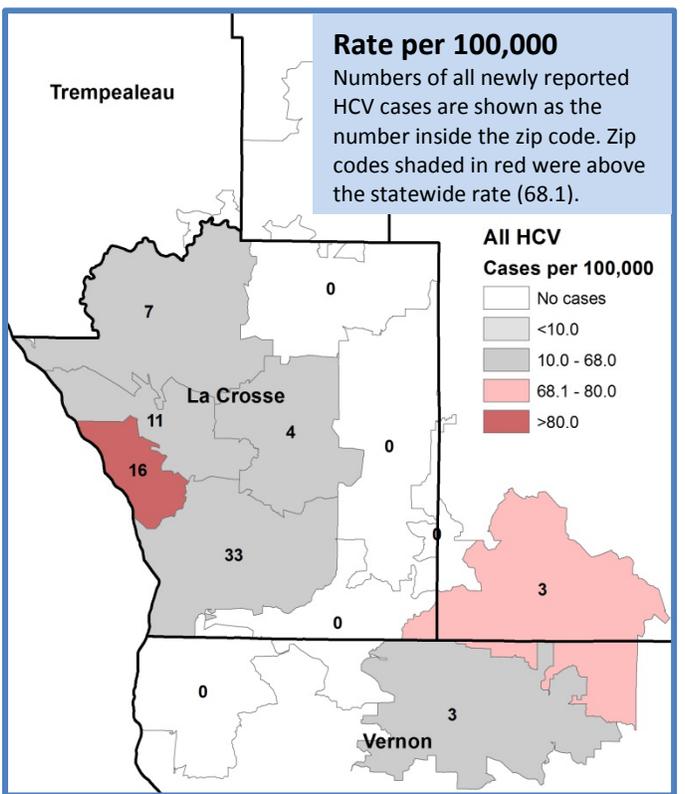
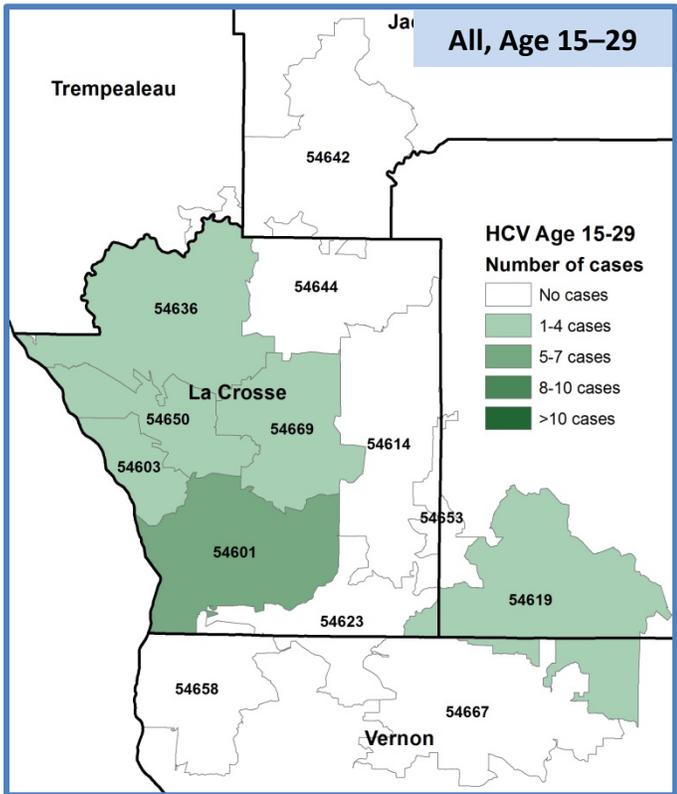
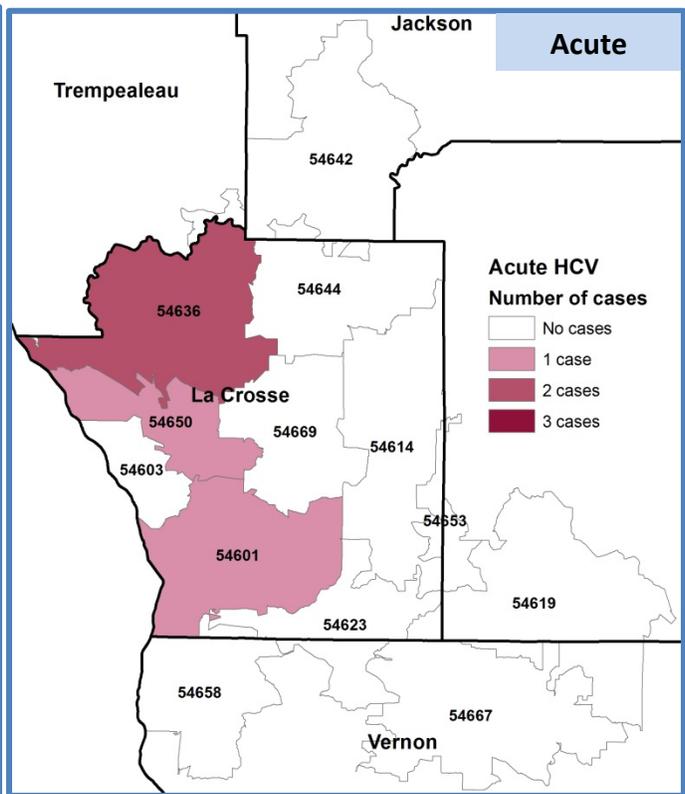
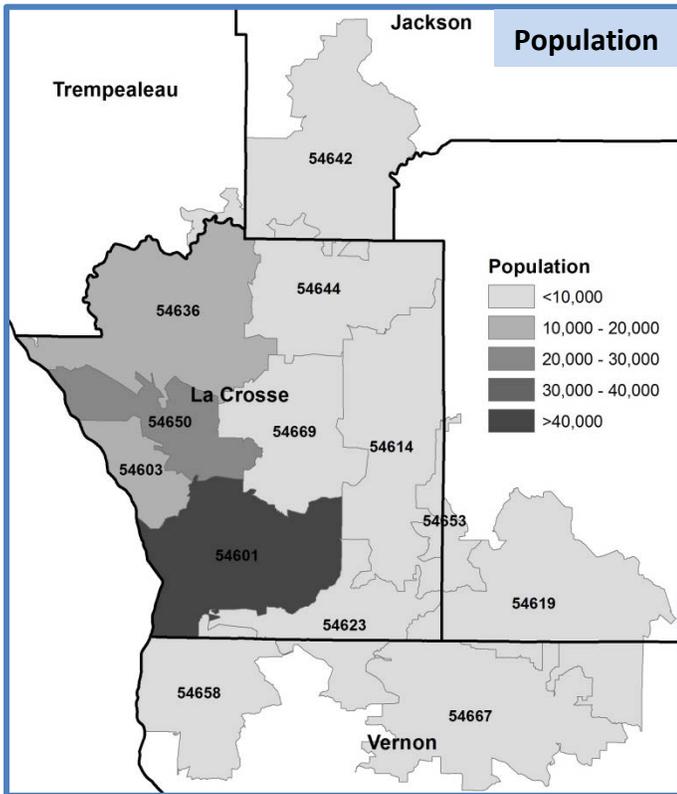


**Figure 39. Percent of HCV cases by race and ethnicity, compared to county population, La Crosse County, 2016**



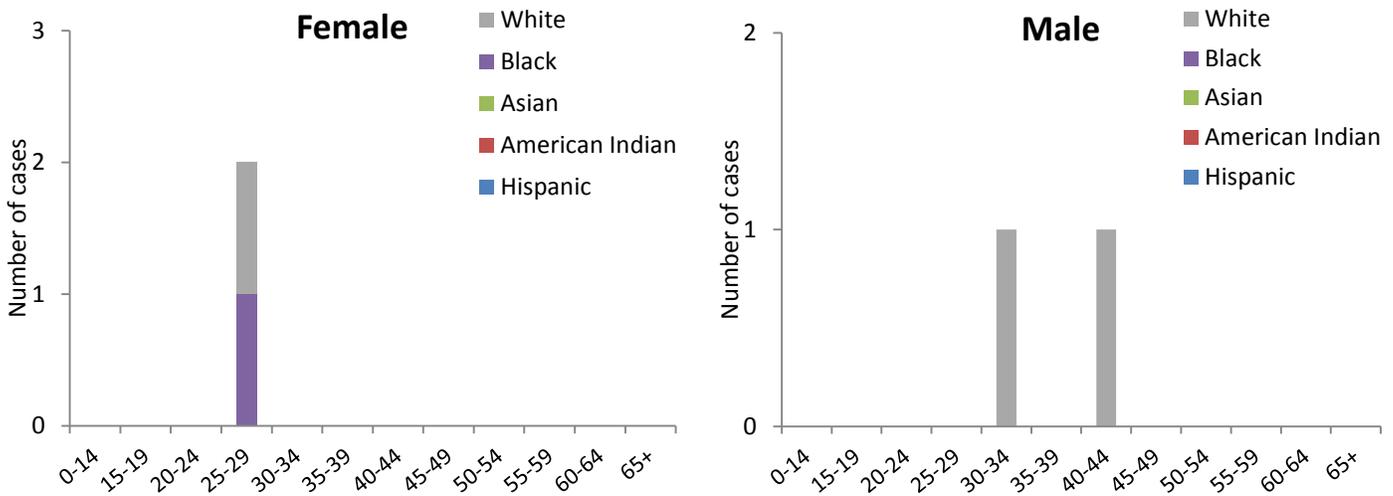
Note: 3 HCV cases (including 1 aged 15–29 years) had unknown race and ethnicity and are not included in the figure above.

# By Zip Code

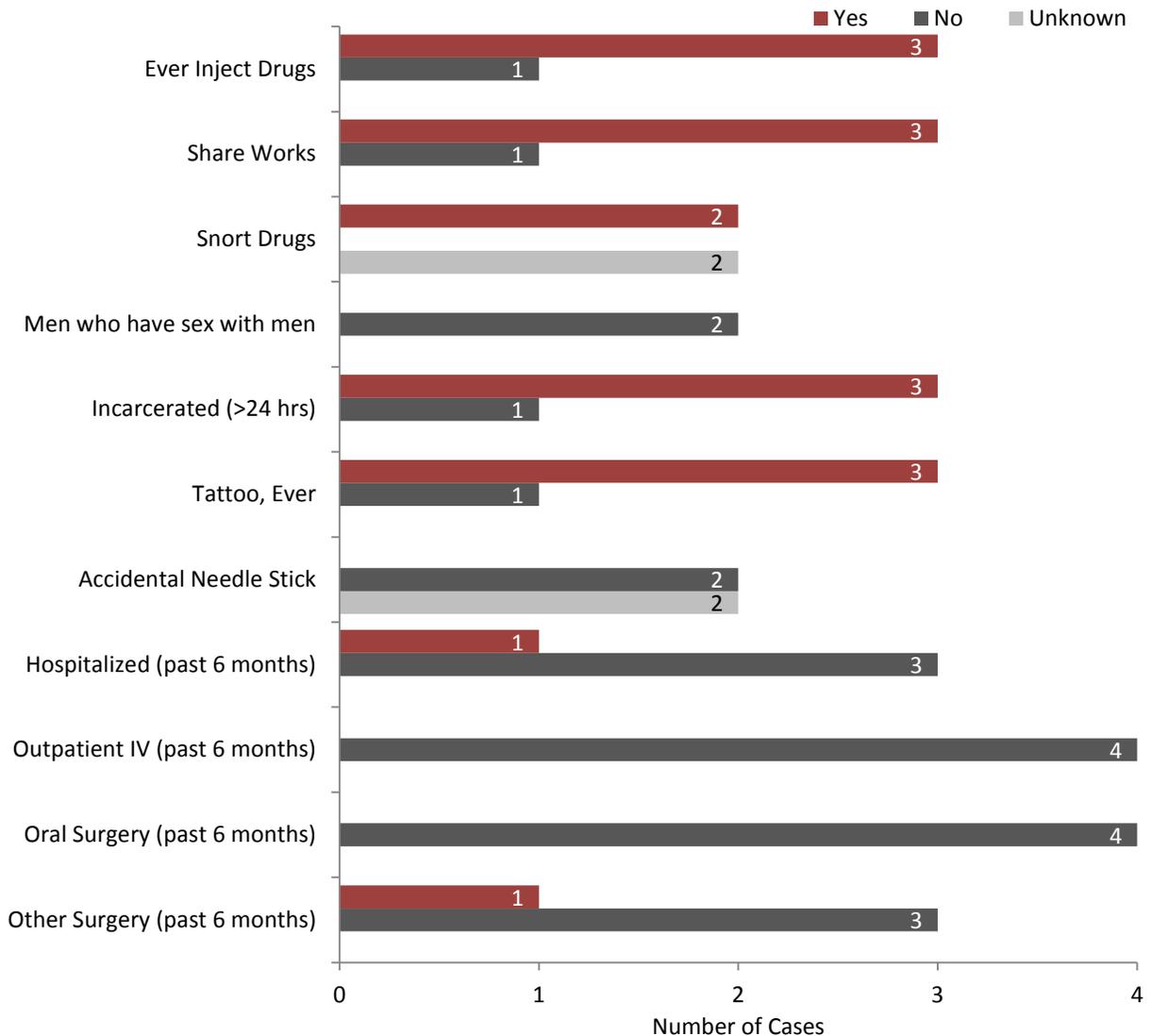


## Acute Cases

**Figure 40. Number of acute HCV cases by sex, age, and race and ethnicity, La Crosse County, 2016**



**Figure 41. Number of acute HCV cases by risk, La Crosse County, 2016**



## Data Table

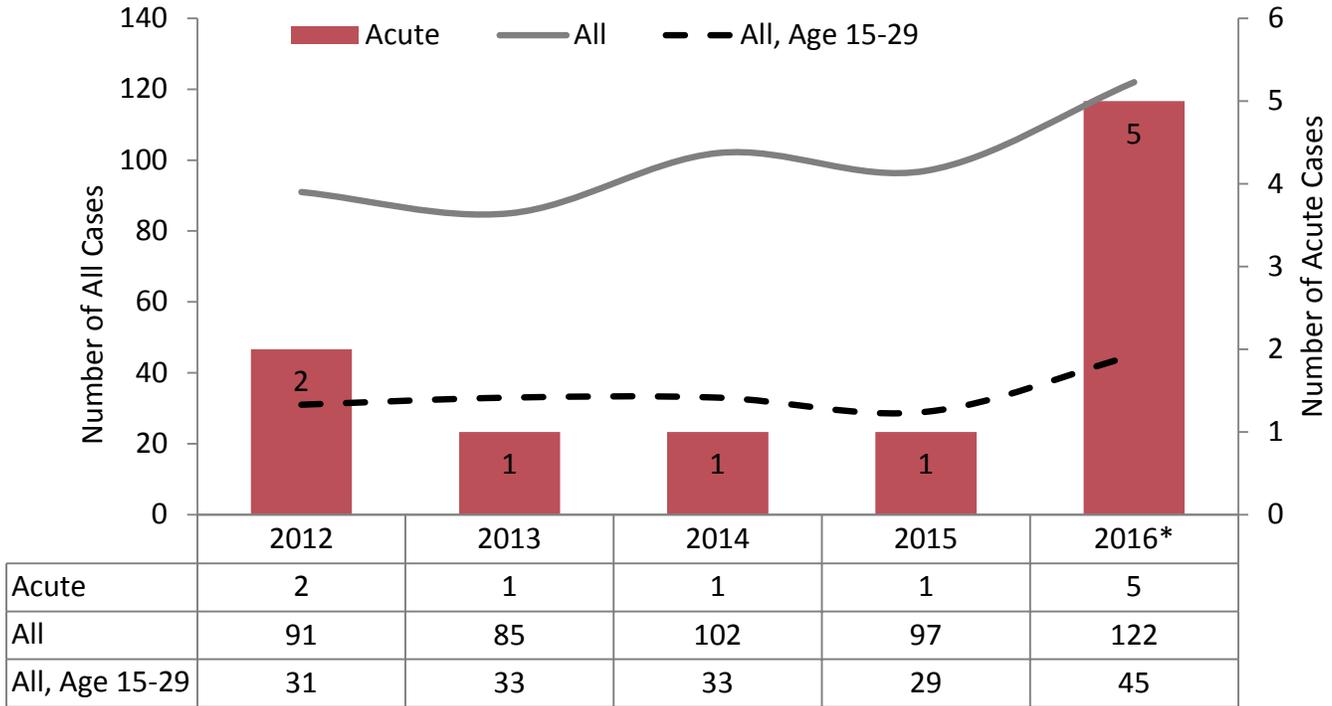
**Table 6. Number and percentage of newly reported HCV cases, La Crosse County, 2016**

Sex	All HCV		Acute HCV		All HCV, Age 15–29	
	Number	Percent	Number	Percent	Number	Percent
Female	27	33.8	2	50.0	8	50.0
Male	53	66.3	2	50.0	8	50.0
	80	100	4	100	16	100
<b>Age</b>						
0–14	0	0.0	0	0.0	0	0.0
15–19	0	0.0	0	0.0	0	0.0
20–24	4	5.0	0	0.0	4	25.0
25–29	12	15.0	2	50.0	12	75.0
30–34	6	7.5	1	25.0	0	0.0
35–39	11	13.8	0	0.0	0	0.0
40–44	5	6.3	1	25.0	0	0.0
45–49	7	8.8	0	0.0	0	0.0
50–54	9	11.3	0	0.0	0	0.0
55–59	12	15.0	0	0.0	0	0.0
60–64	8	10.0	0	0.0	0	0.0
65+	6	7.5	0	0.0	0	0.0
	80	100	4	100	16	100
<b>Race/Ethnicity</b>						
Hispanic	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0
Asian	0	0.0	0	0.0	0	0.0
Black	2	2.5	1	25.0	1	6.3
Other	0	0.0	0	0.0	0	0.0
Unknown	3	3.8	0	0.0	1	6.3
White	75	93.8	3	75.0	14	87.5
	80	100	4	100	16	100
<b>Zip Code</b>						
Unknown	1	1.3	0	0.0	0	0.0
54601	33	41.3	1	25.0	7	43.8
54602	2	2.5	0	0.0	0	0.0
54603	16	20.0	0	0.0	2	12.5
54619	3	3.8	0	0.0	1	6.3
54636	7	8.8	2	50.0	2	12.5
54650	11	13.8	1	25.0	3	18.8
54667	3	3.8	0	0.0	0	0.0
54669	4	5.0	0	0.0	1	6.3
	80	100	4	100	16	100

# Marathon County

## Trends

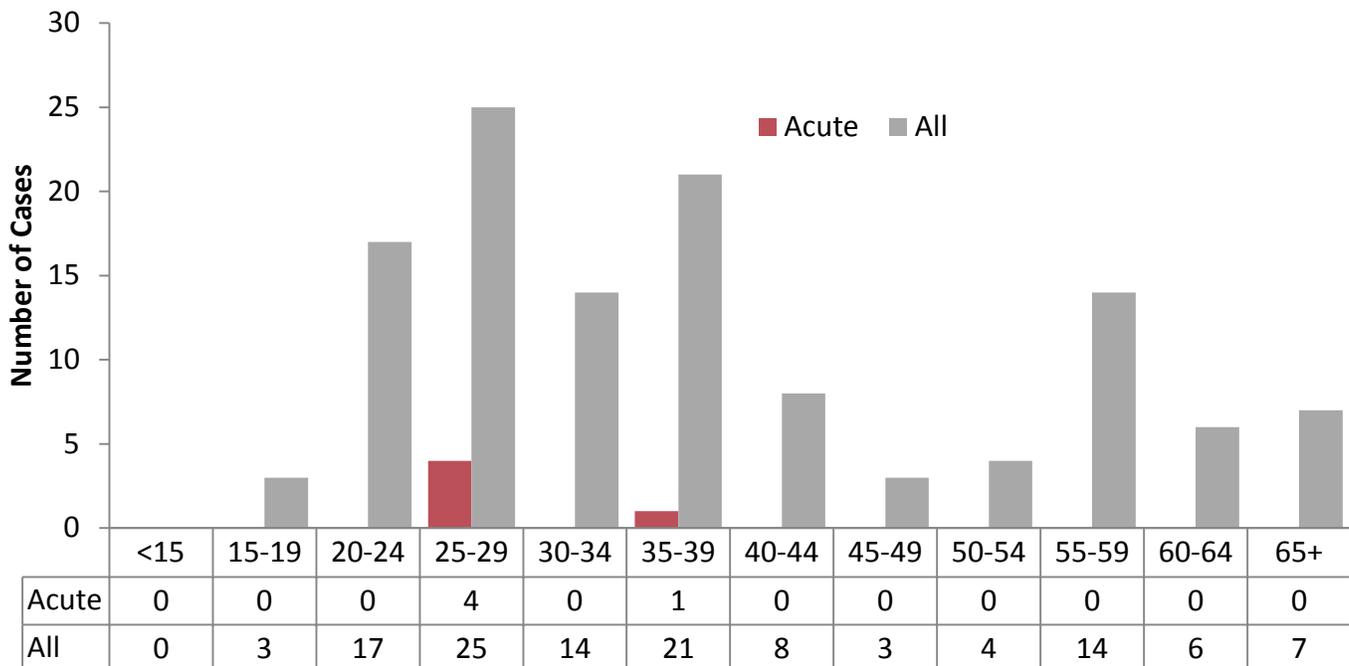
Figure 42. Number of newly reported HCV cases, by year of report, Marathon County, 2012–2016



\*In 2016, the acute case definition changed to include patients with ALT >200 IU/L (lowered from >400 IU/L). In Marathon County this accounted for no additional acute cases.

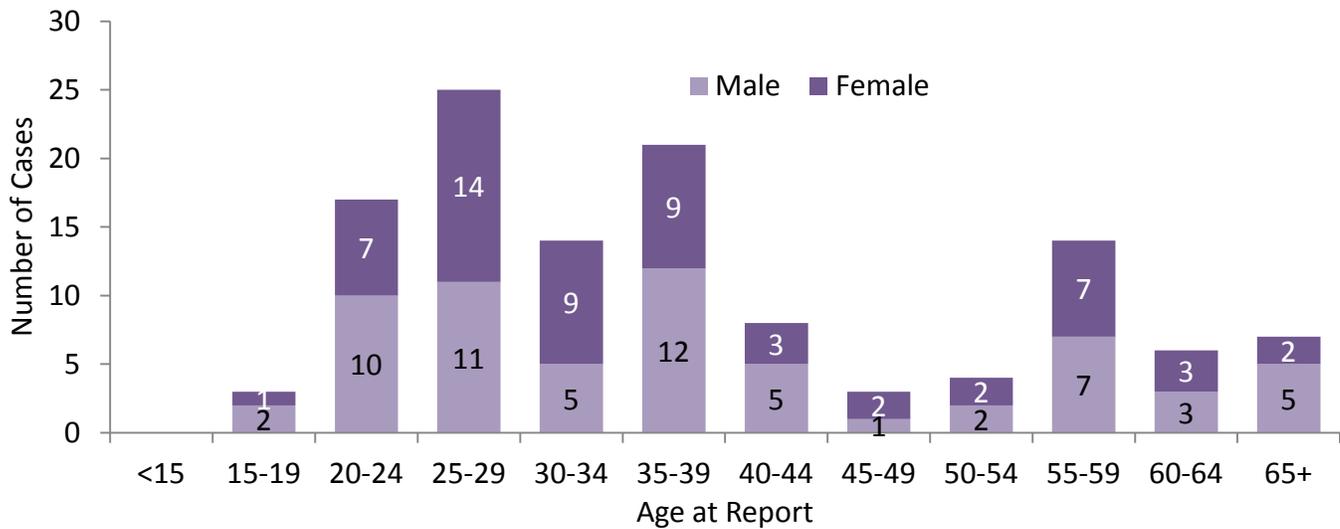
## By Age

Figure 43. Number of newly reported HCV cases, by age at report, Marathon County, 2016

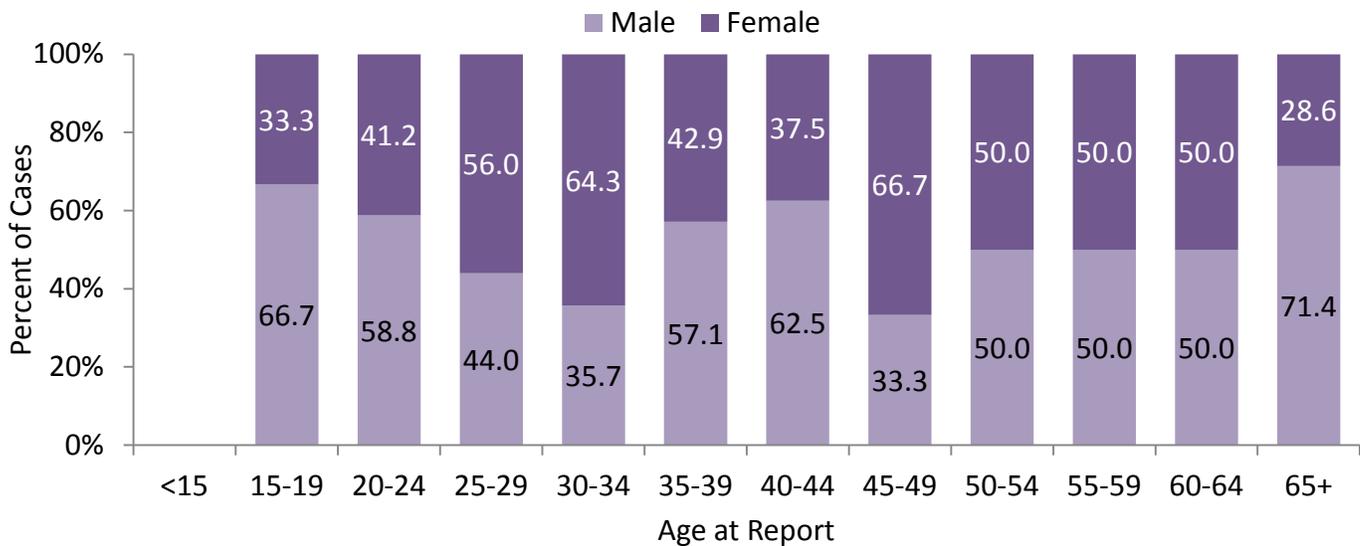


## By Age and Sex

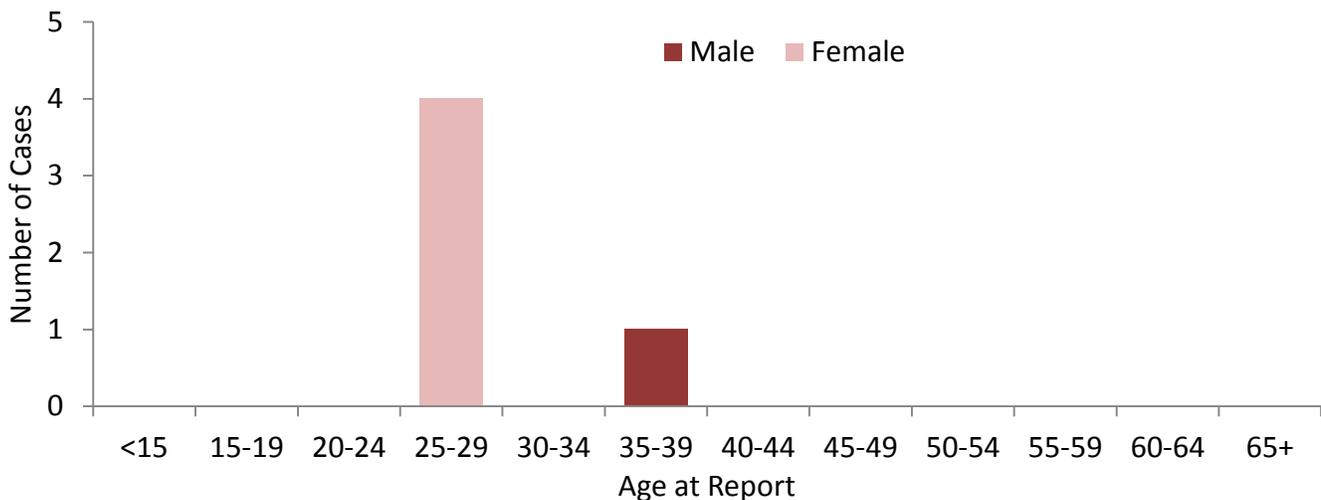
**Figure 44. Number of all newly reported HCV cases, by age at report and sex, Marathon County, 2016**



**Figure 45. Percent of all newly reported HCV cases, by age at report and sex, Marathon County, 2016**

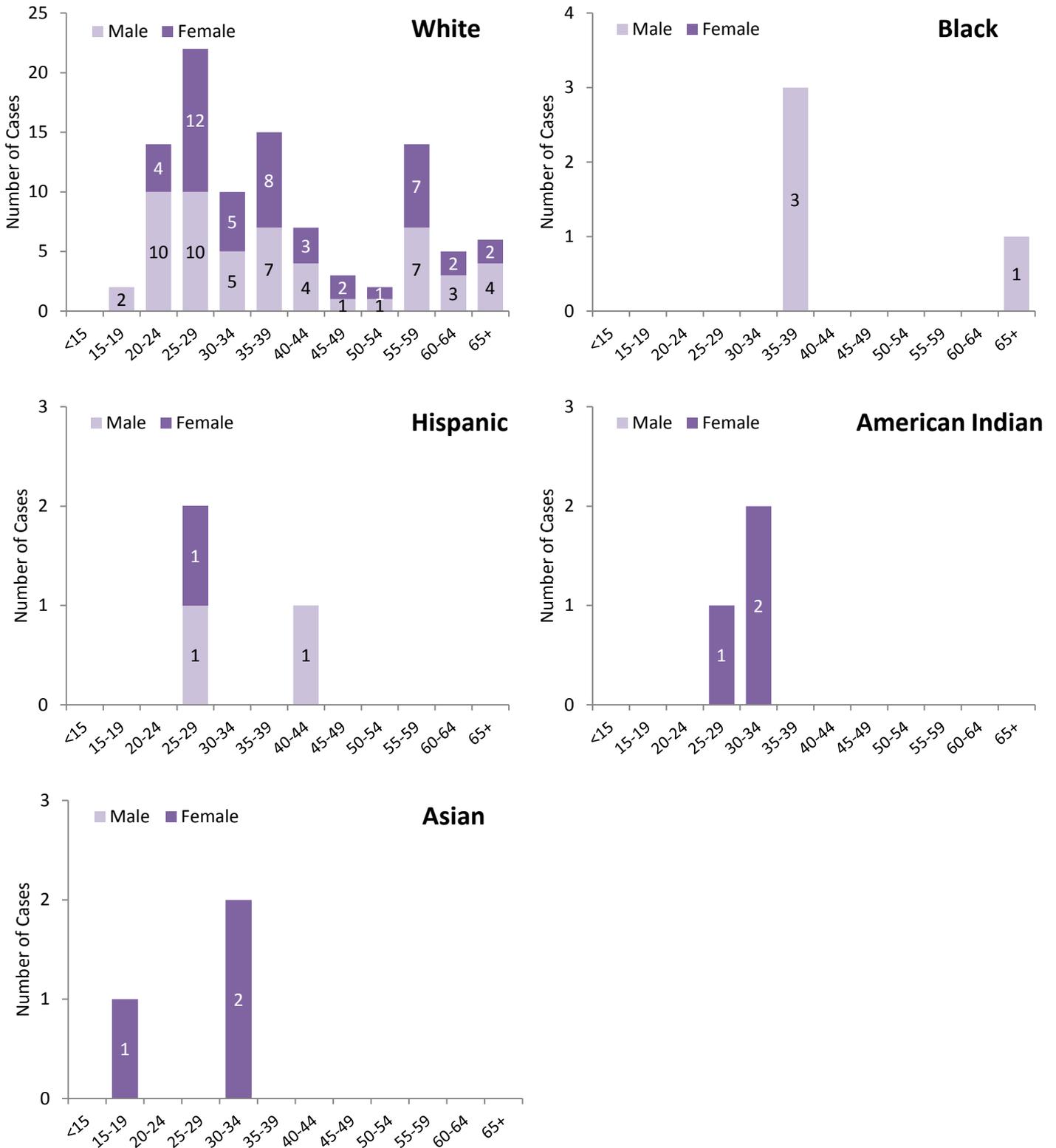


**Figure 46. Number of acute HCV cases, by age at report and sex, Marathon County, 2016**



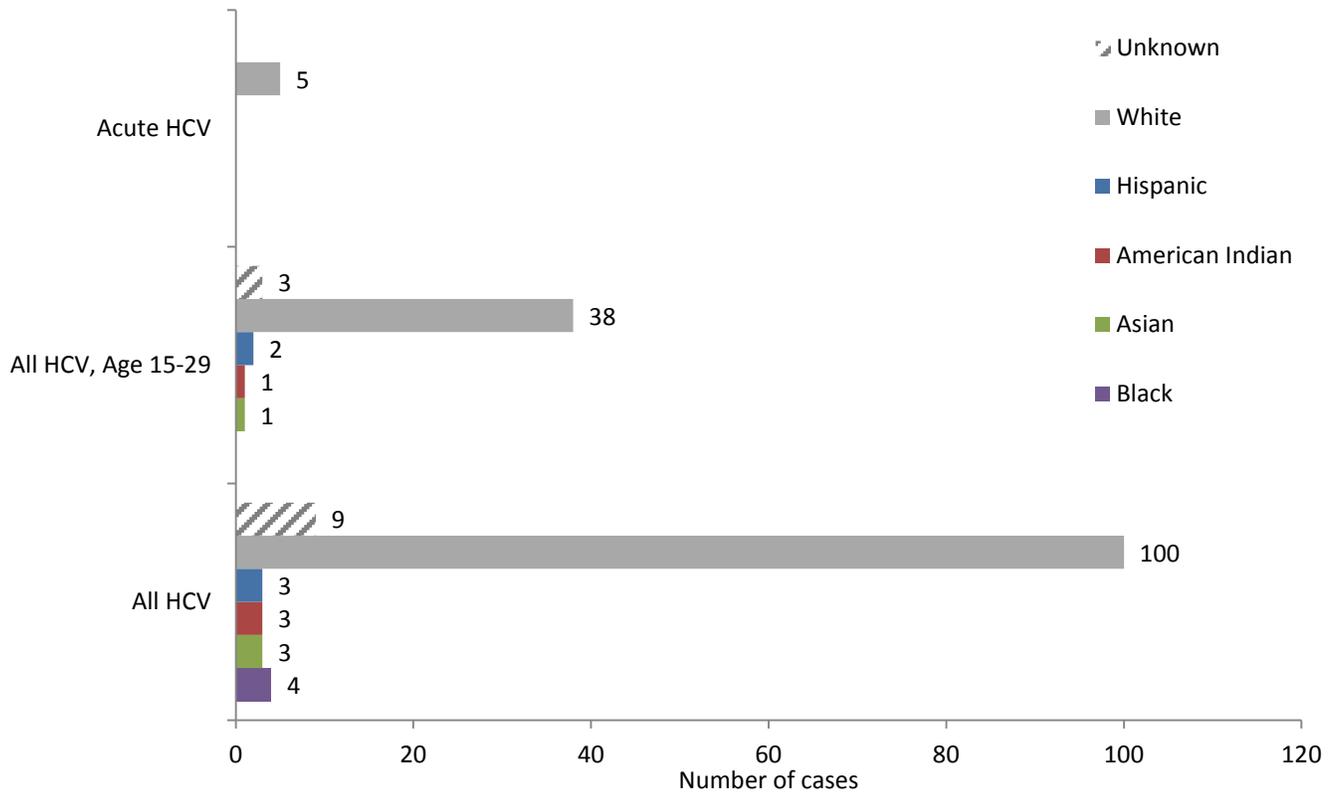
## By Age, Sex, and Race and Ethnicity

**Figure 47. Number of all newly reported HCV cases, by age at report, sex, and race and ethnicity, Marathon County, 2016**

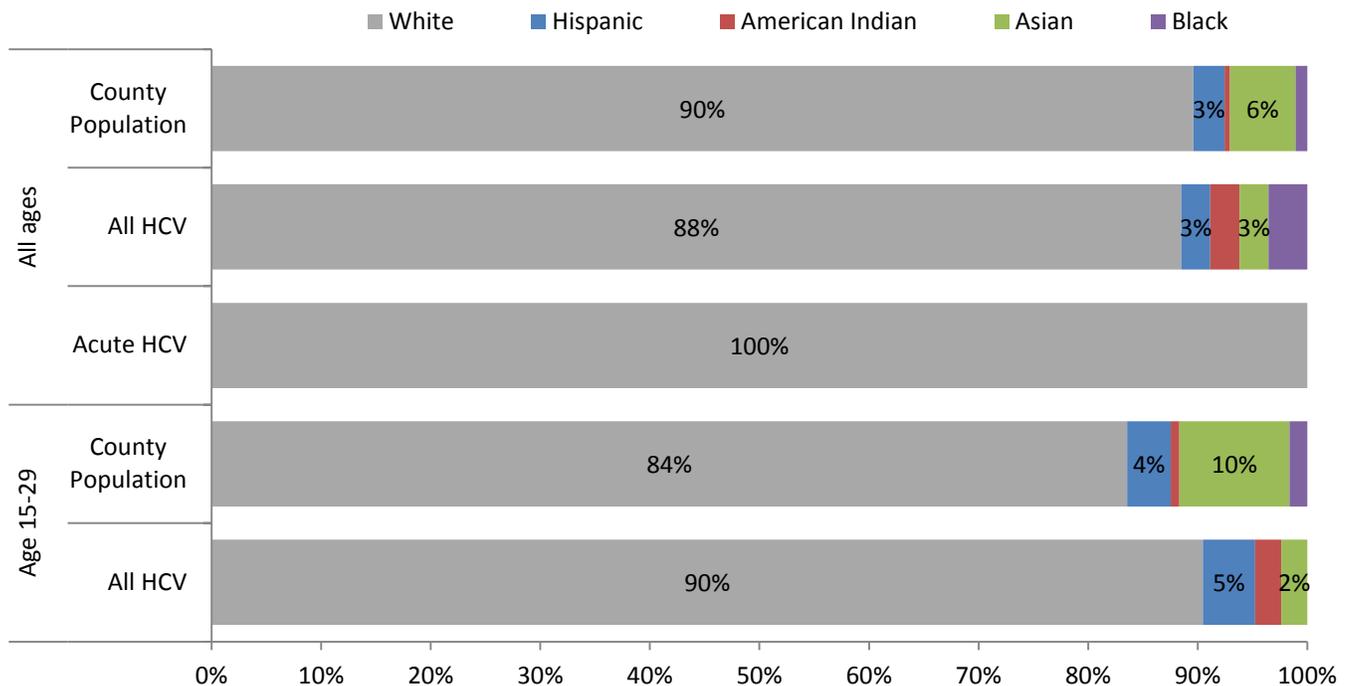


## By Race and Ethnicity

**Figure 48. Number of newly reported HCV cases, by race and ethnicity, Marathon County, 2016**

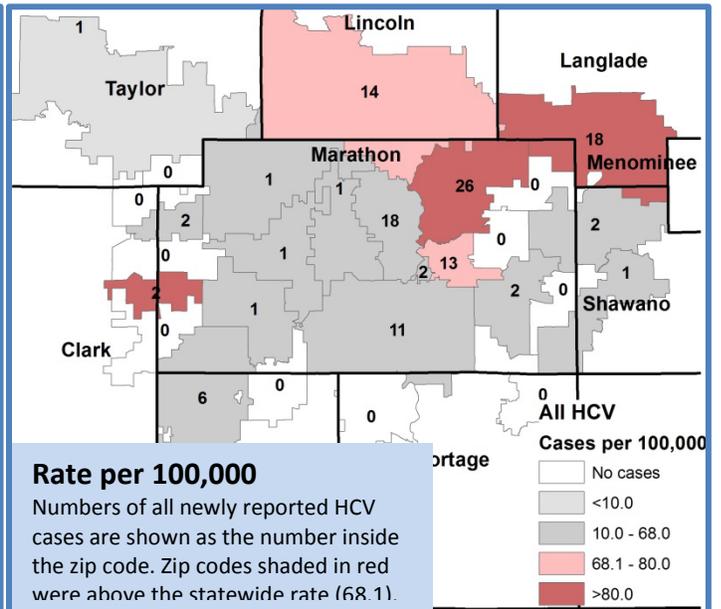
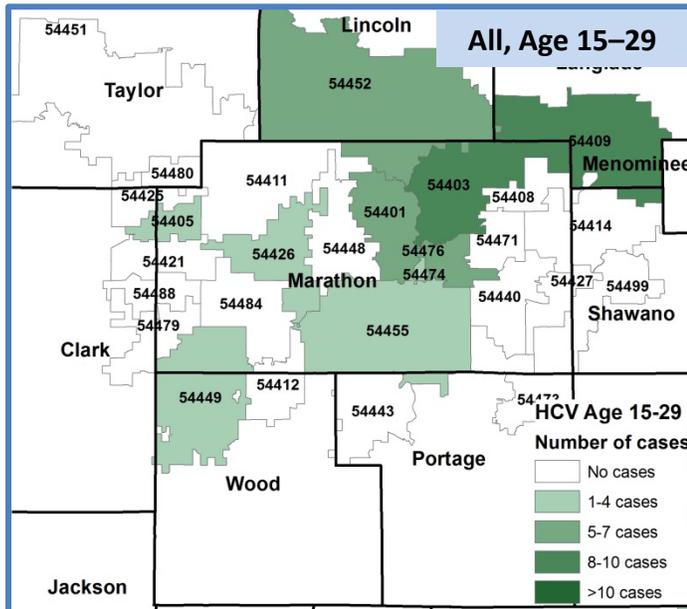
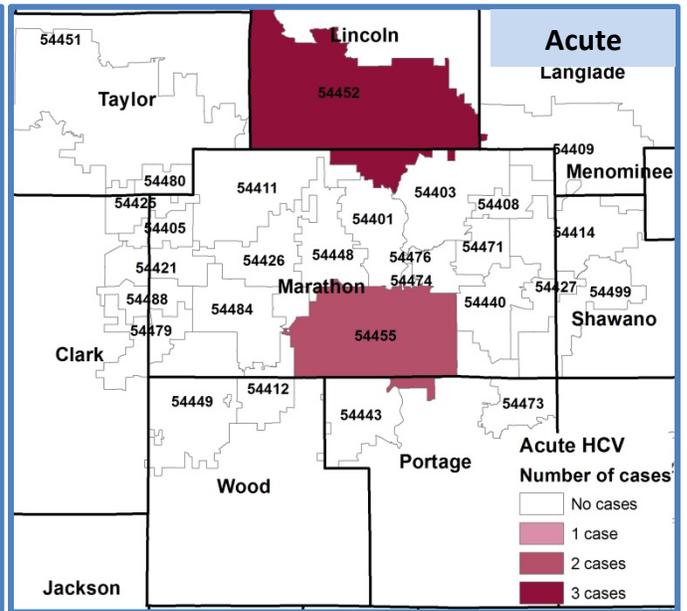
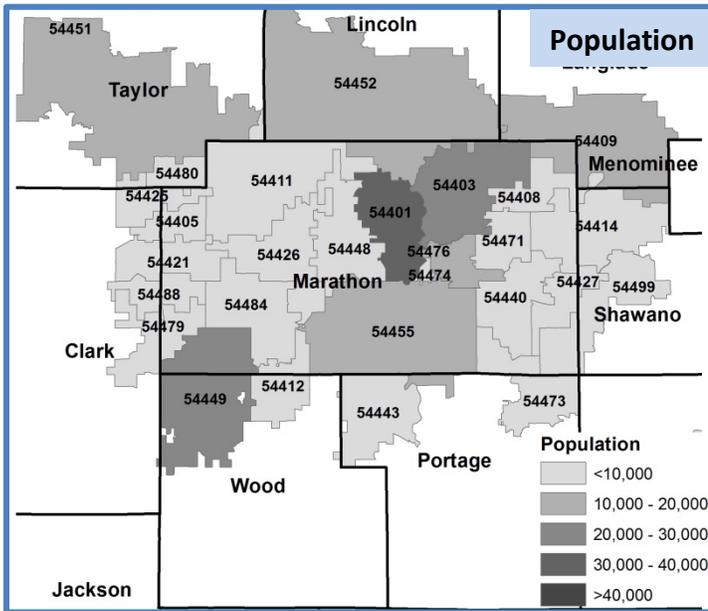


**Figure 49. Percent of HCV cases by race and ethnicity, compared to county population, Marathon County, 2016**



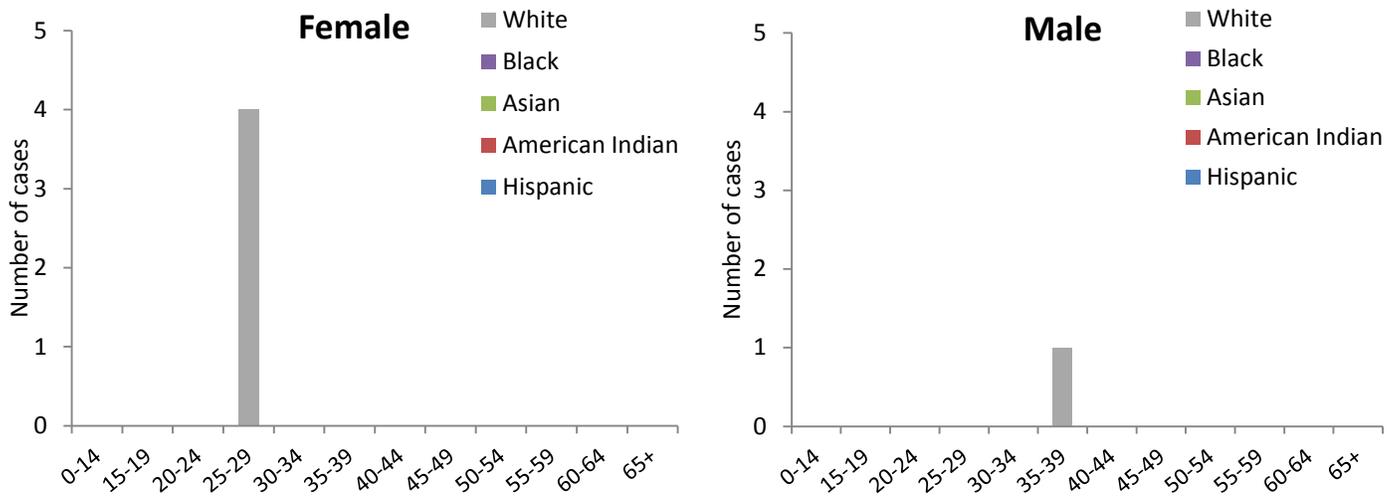
Note: 9 HCV cases (including 3 aged 15–29 years) had unknown race and ethnicity and are not included in the figure above.

# By Zip Code

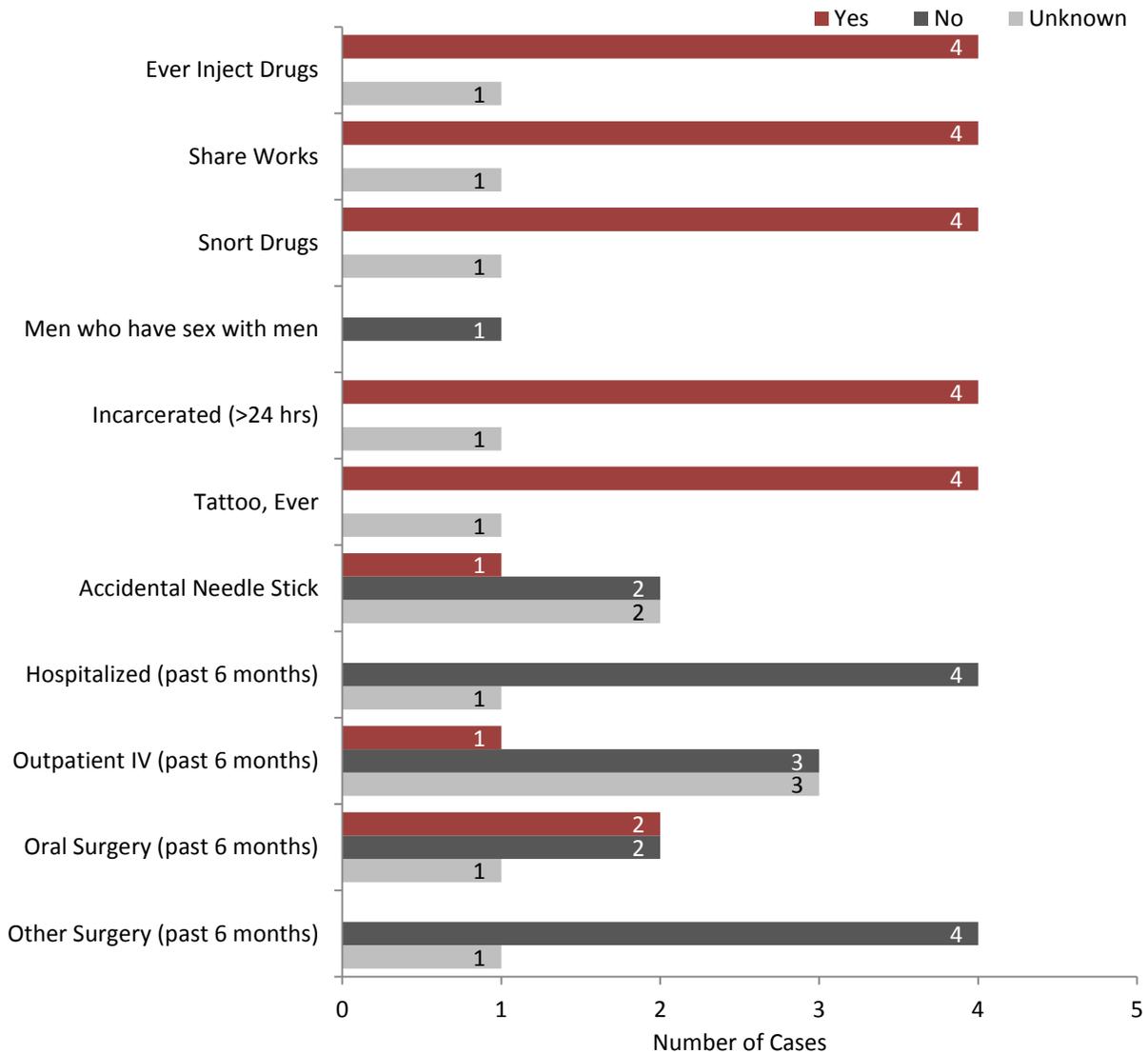


## Acute Cases

**Figure 50. Number of acute HCV cases by sex, age, and race and ethnicity, Marathon County, 2016**



**Figure 51. Number of acute HCV cases by risk, Marathon County, 2016**



## Data Table

**Table 7. Number and percentage of newly reported HCV cases, Marathon County, 2016**

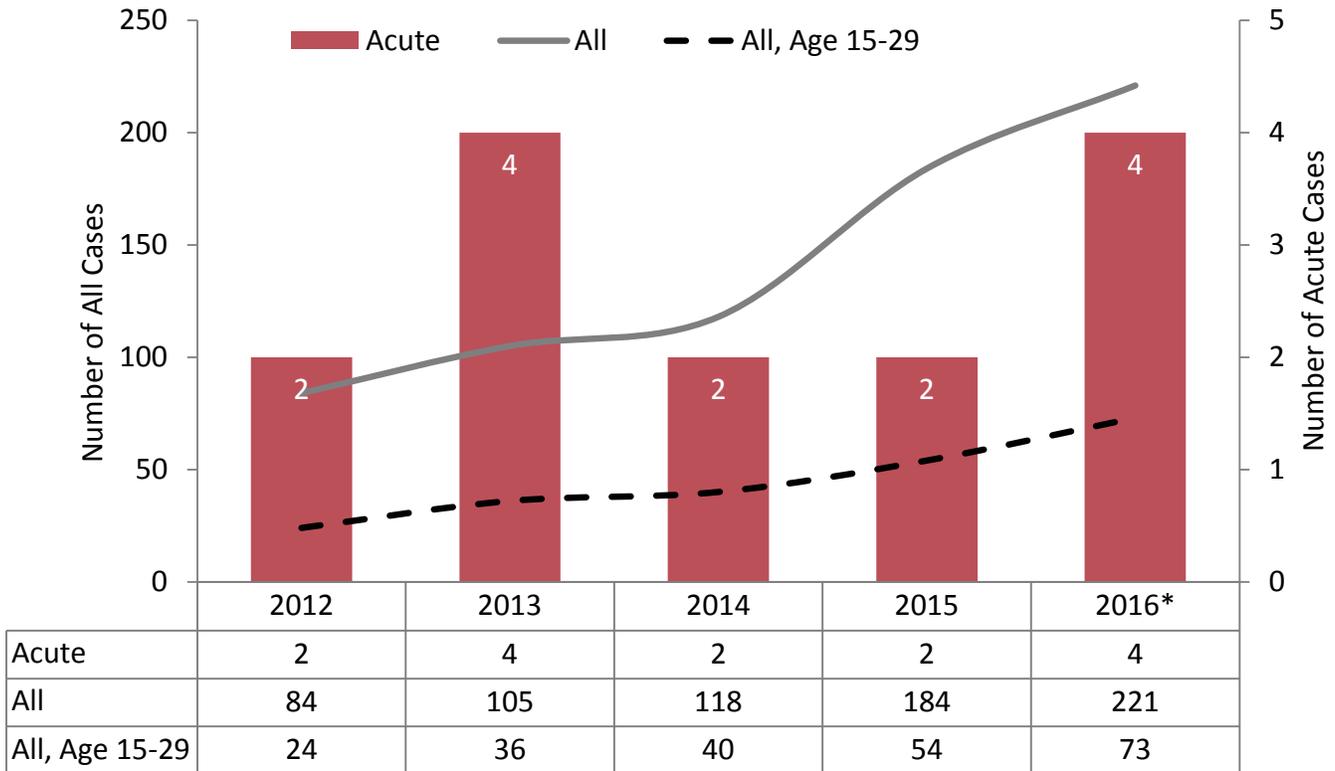
	All HCV		Acute HCV		All HCV, Age 15–29	
	N	%	N	%	N	%
<b>Sex</b>						
Female	59	48.4	4	80.0	22	48.9
Male	63	51.6	1	20.0	23	51.1
	122	100	5	100	45	100
<b>Age</b>						
0–14						
15–19	3	2.5	0	0.0	3	6.7
20–24	17	13.9	0	0.0	17	37.8
25–29	25	20.5	4	80.0	25	55.6
30–34	14	11.5	0	0.0	0	0.0
35–39	21	17.2	1	20.0	0	0.0
40–44	8	6.6	0	0.0	0	0.0
45–49	3	2.5	0	0.0	0	0.0
50–54	4	3.3	0	0.0	0	0.0
55–59	14	11.5	0	0.0	0	0.0
60–64	6	4.9	0	0.0	0	0.0
65+	7	5.7	0	0.0	0	0.0
	122	100	5	100	45	100
<b>Race/Ethnicity</b>						
Hispanic	3	2.5	0	0.0	2	4.4
American Indian	3	2.5	0	0.0	1	2.2
Asian	3	2.5	0	0.0	1	2.2
Black	4	3.3	0	0.0	0	0.0
Unknown	9	7.4	0	0.0	3	6.7
White	100	82.0	5	100.0	38	84.4
	122	100	5	100	45	100
<b>Zip Code</b>						
54401	18	14.8	0	0.0	6	13.3
54403	26	21.3	0	0.0	9	20.0
54405	2	1.6	0	0.0	1	2.2
54409	18	14.8	0	0.0	8	17.8
54411	1	0.8	0	0.0	0	0.0
54414	2	1.6	0	0.0	0	0.0
54426	1	0.8	0	0.0	1	2.2
54440	2	1.6	0	0.0	0	0.0
54448	1	0.8	0	0.0	0	0.0
54449	6	4.9	0	0.0	4	8.9
54451	1	0.8	0	0.0	0	0.0
54452	14	11.5	3	60.0	5	11.1
54455	11	9.0	2	40.0	4	8.9
54474	2	1.6	0	0.0	1	2.2
54476	13	10.7	0	0.0	6	13.3
54484	1	0.8	0	0.0	0	0.0

54488	2	1.6	0	0.0	0	0.0
54499	1	0.8	0	0.0	0	0.0
	122	100	5	100	45	100

# Outagamie County

## Trends

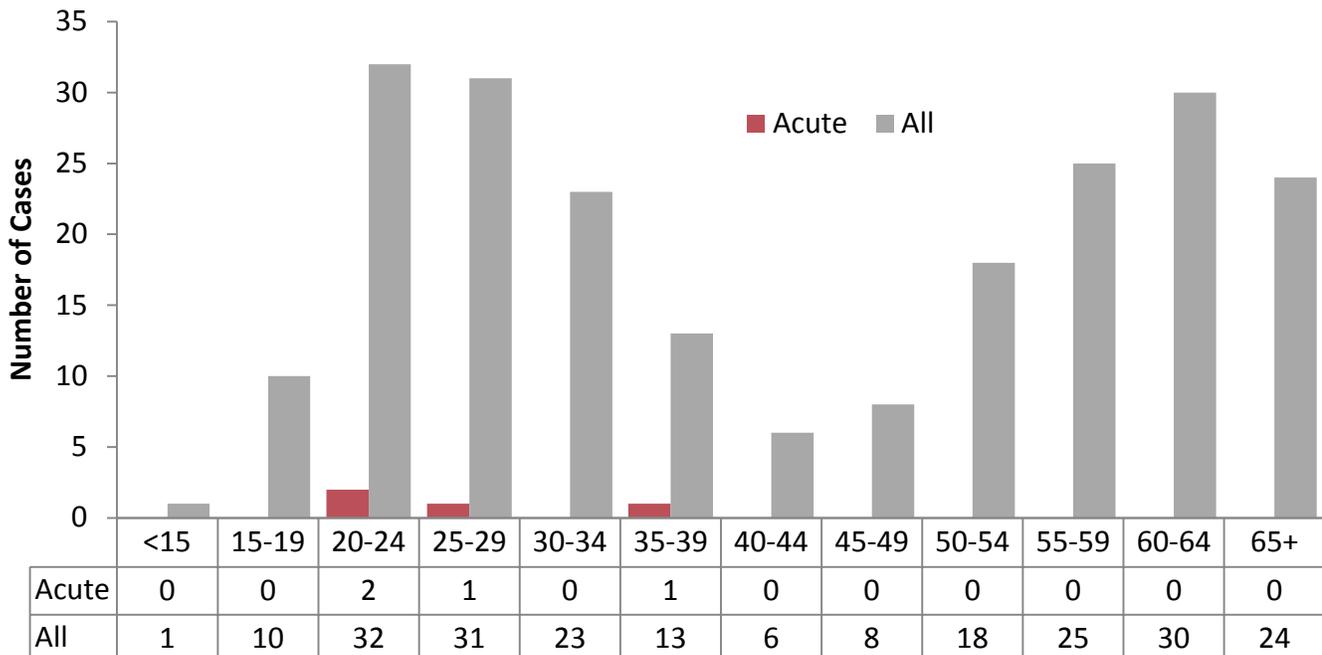
**Figure 52. Number of newly reported HCV cases, by year of report, Outagamie County, 2012–2016**



\*In 2016, the acute case definition changed to include patients with ALT >200 IU/L (lowered from >400 IU/L). In Outagamie County this accounted for no additional acute cases.

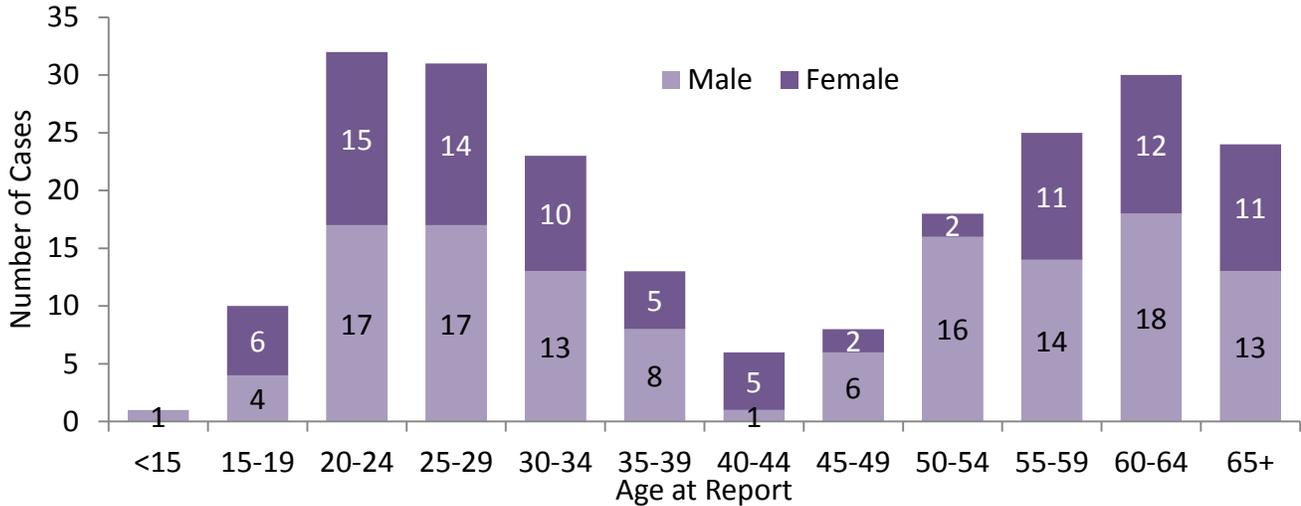
## By Age

**Figure 53. Number of newly reported HCV cases, by age at report, Outagamie County, 2016**

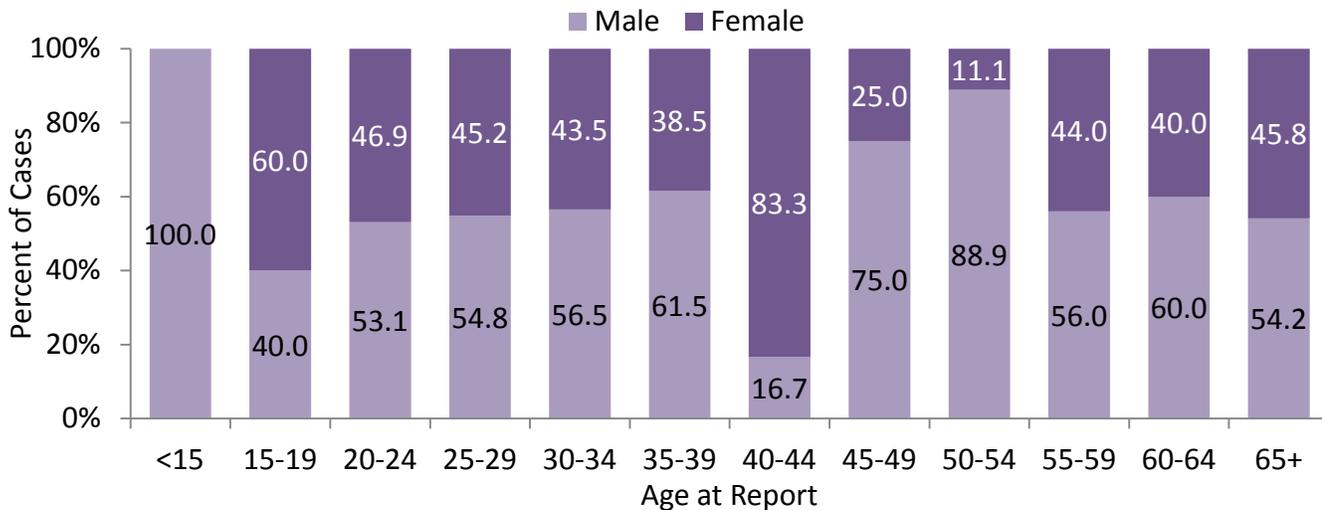


## By Age and Sex

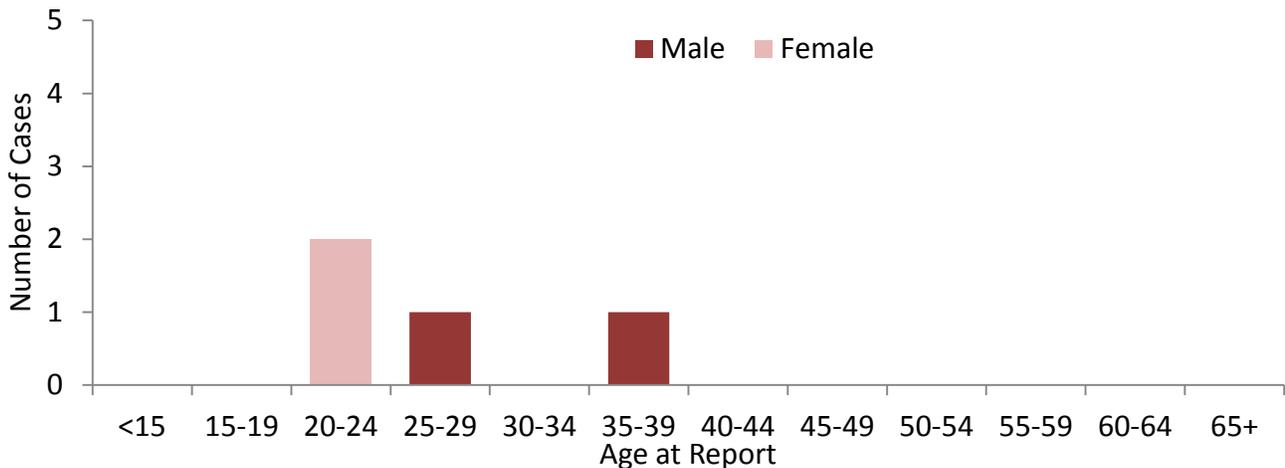
**Figure 54. Number of all newly reported HCV cases, by age at report and sex, Outagamie County, 2016**



**Figure 55. Percent of all newly reported HCV cases, by age at report and sex, Outagamie County, 2016**

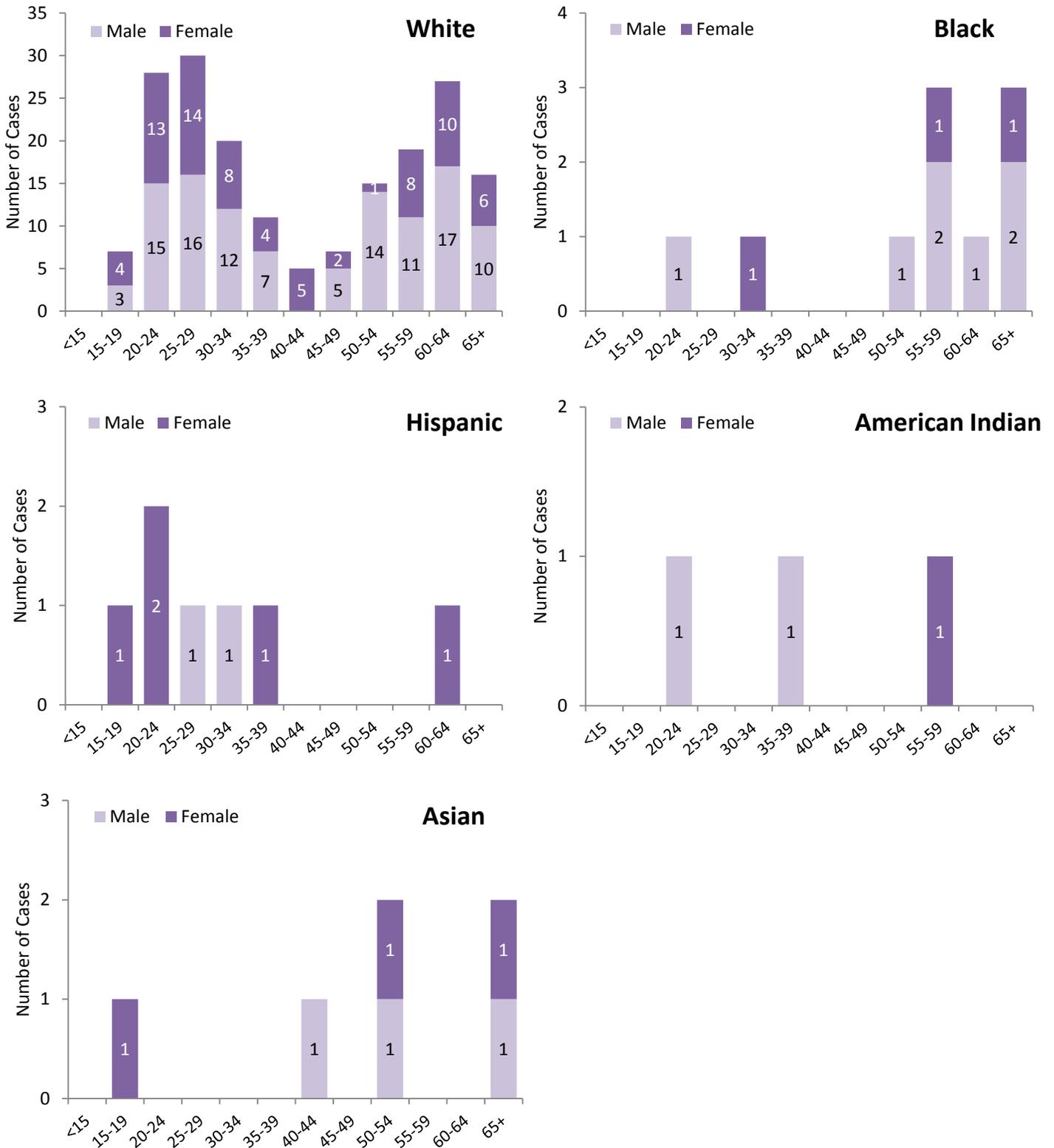


**Figure 56. Number of acute HCV cases, by age at report and sex, Outagamie County, 2016**



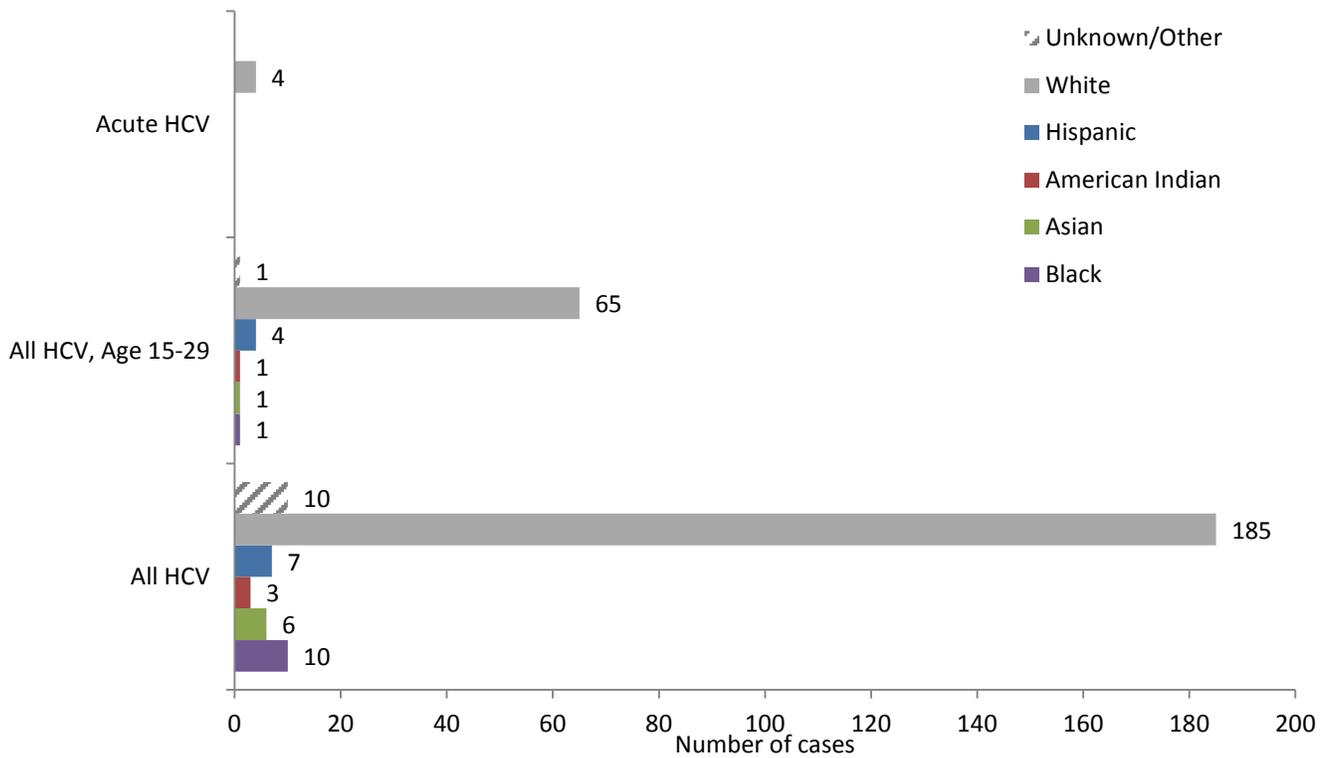
## By Age, Sex, and Race and Ethnicity

**Figure 57. Number of all newly reported HCV cases, by age at report, sex, and race and ethnicity, Outagamie County, 2016**

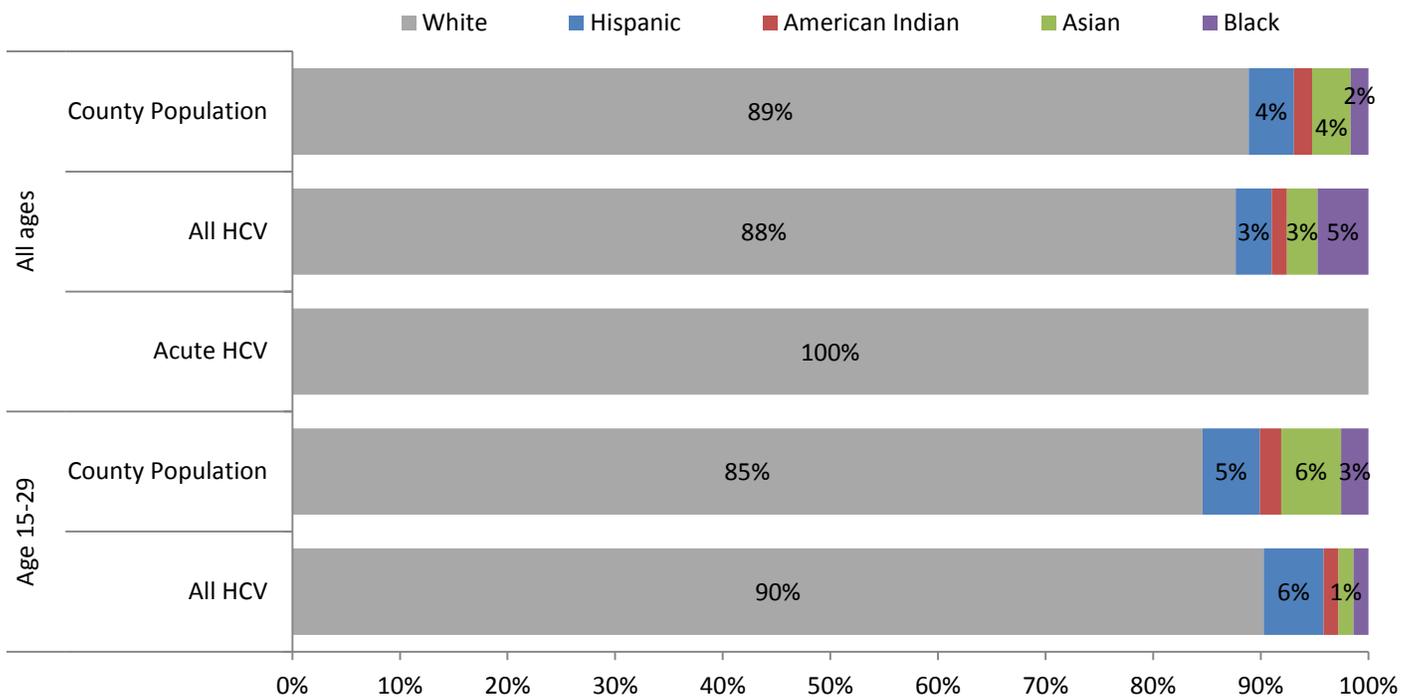


## By Race and Ethnicity

**Figure 58. Number of newly reported HCV cases, by race and ethnicity, Outagamie County, 2016**

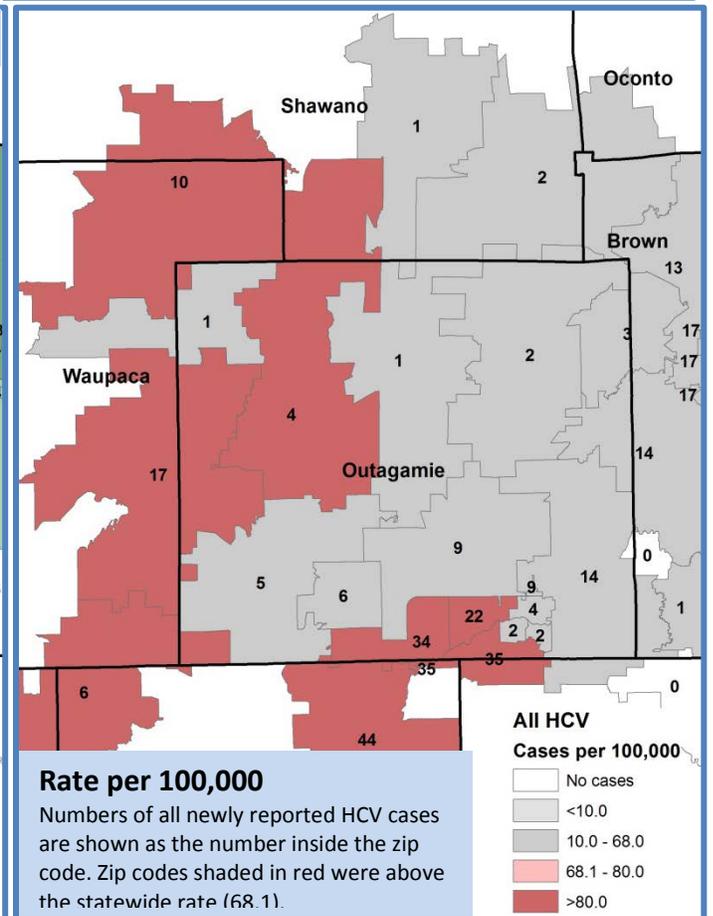
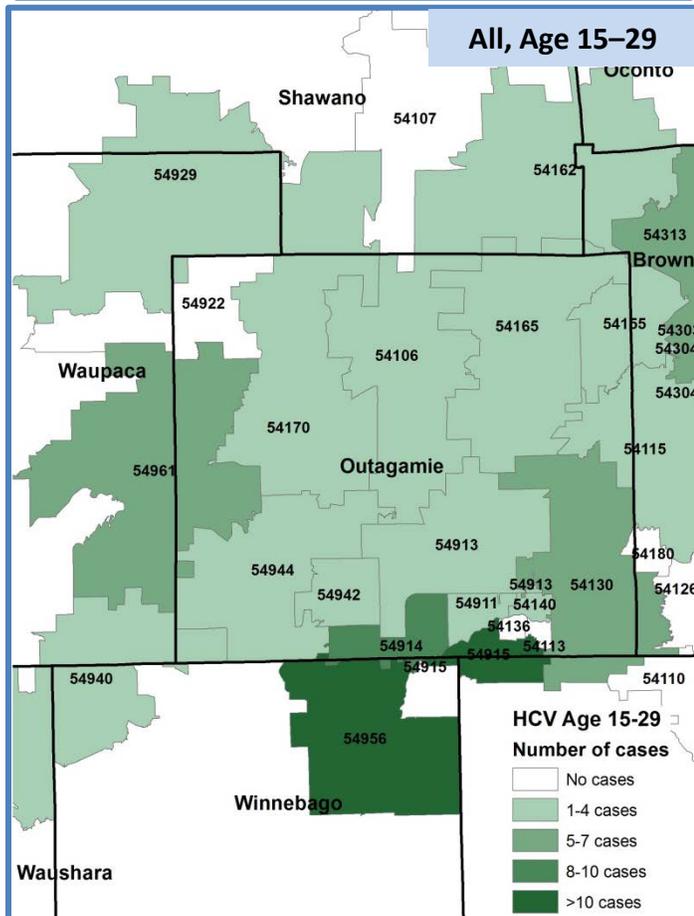
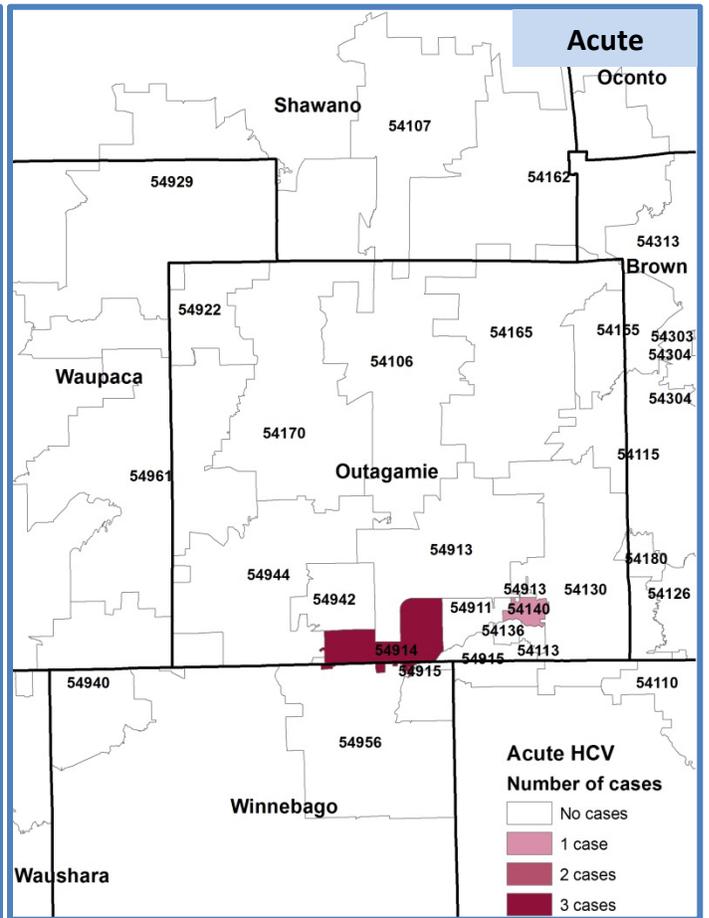
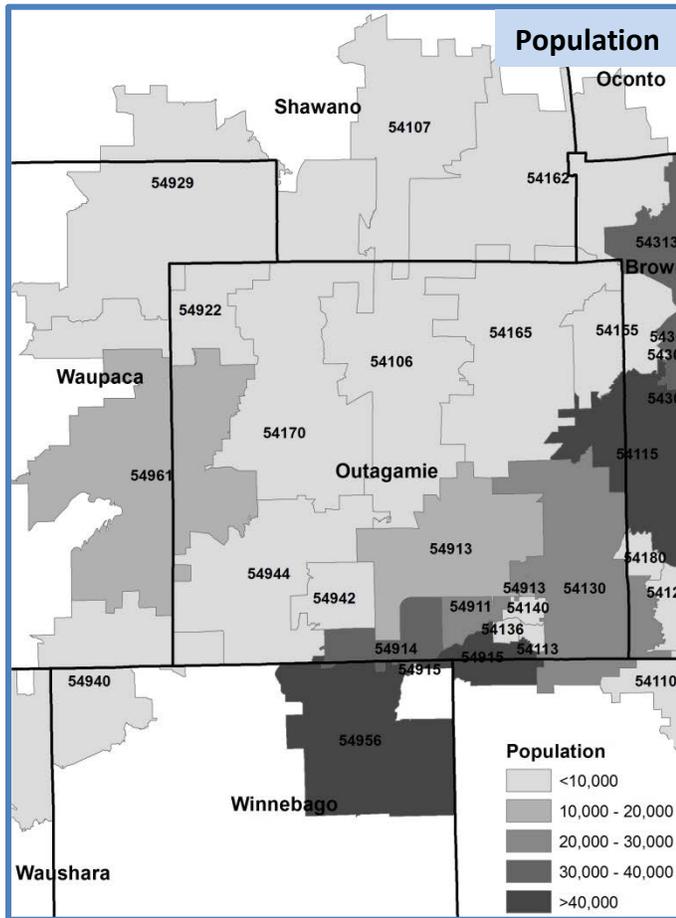


**Figure 59. Percent of HCV cases by race and ethnicity, compared to county population, Outagamie County, 2016**



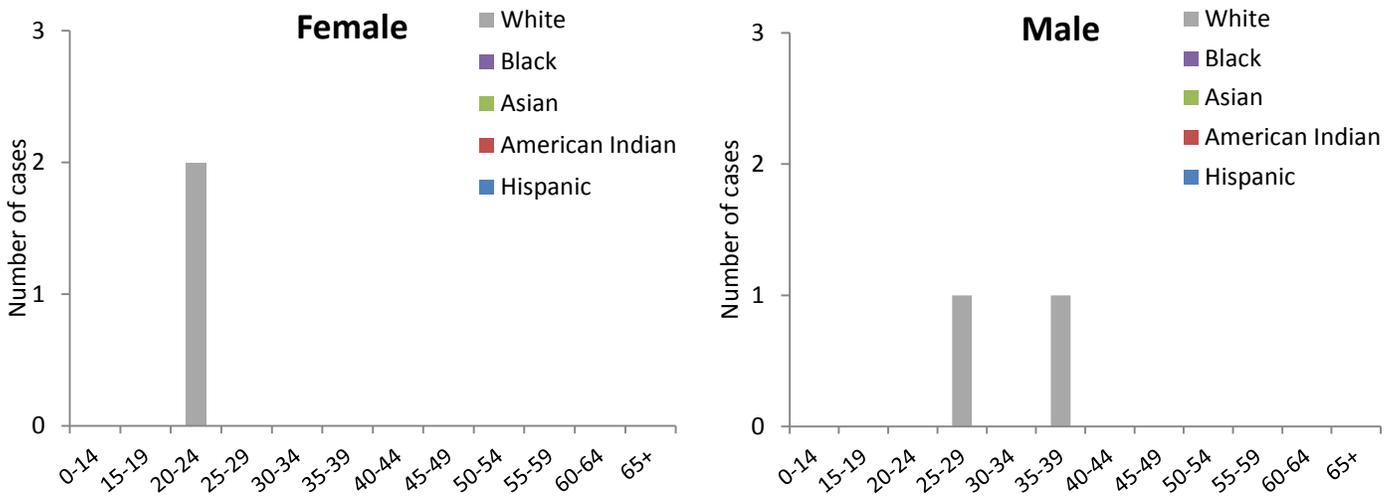
Note: 10 HCV cases (including 1 aged 15–29 years) had unknown or other race and ethnicity and are not included in the figure above.

# By Zip Code

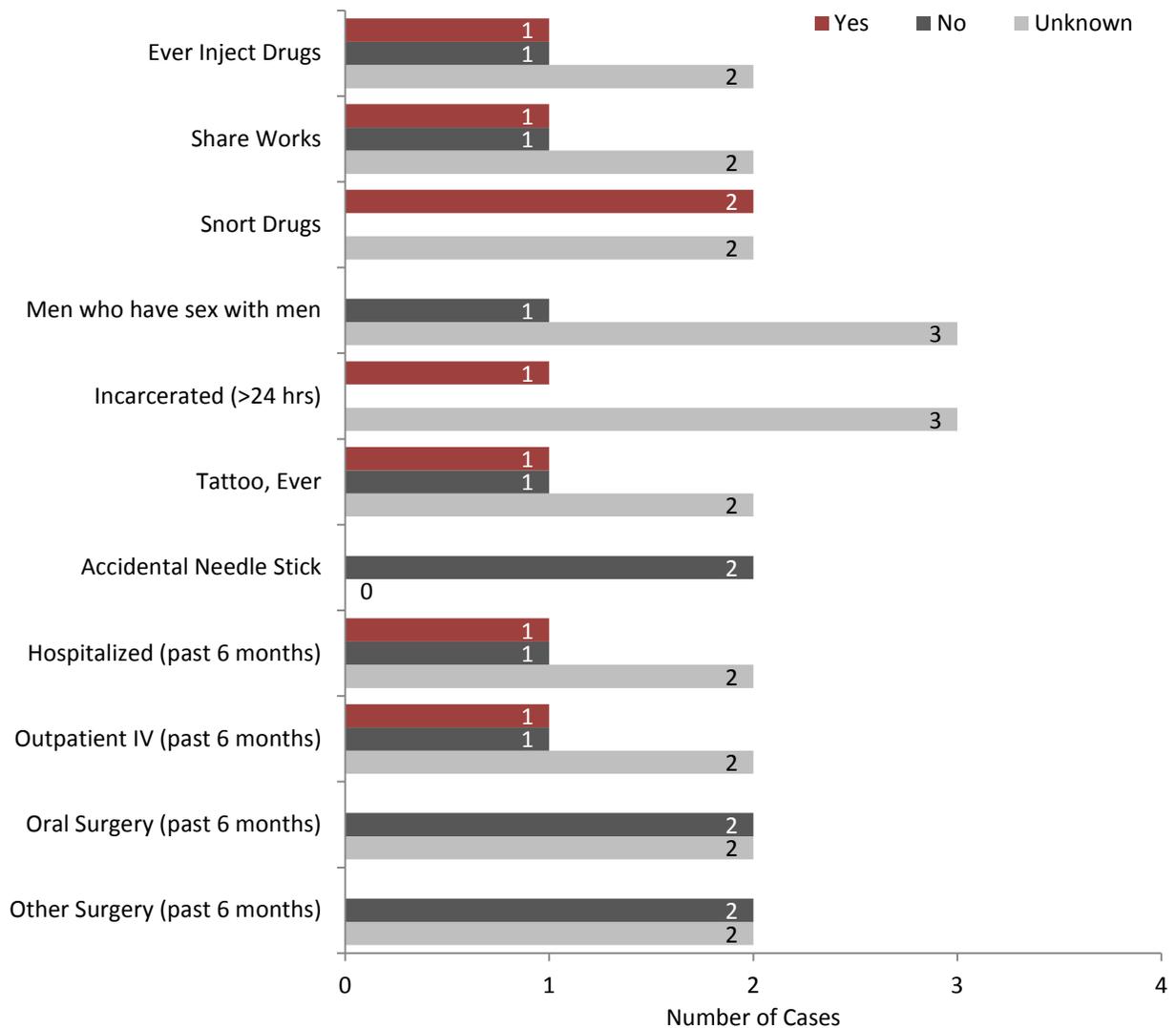


## Acute Cases

**Figure 60. Number of acute HCV cases by sex, age, and race and ethnicity, Outagamie County, 2016**



**Figure 61. Number of acute HCV cases by risk, Outagamie County, 2016**



## Data Table

**Table 8. Number and percentage of newly reported HCV cases, Outagamie County, 2016**

	All HCV		Acute HCV		All HCV, Age 15–29	
	N	%	N	%	N	%
<b>Sex</b>						
Female	93	42.1	2	50.0	35	47.9
Male	128	57.9	2	50.0	38	52.1
	221	100	4	100	73	100
<b>Age</b>						
0–14	1	0.5	0	0.0	0	0.0
15–19	10	4.5	0	0.0	10	13.7
20–24	32	14.5	2	50.0	32	43.8
25–29	31	14.0	1	25.0	31	42.5
30–34	23	10.4	0	0.0	0	0.0
35–39	13	5.9	1	25.0	0	0.0
40–44	6	2.7	0	0.0	0	0.0
45–49	8	3.6	0	0.0	0	0.0
50–54	18	8.1	0	0.0	0	0.0
55–59	25	11.3	0	0.0	0	0.0
60–64	30	13.6	0	0.0	0	0.0
65+	24	10.9	0	0.0	0	0.0
	221	100	4	100	73	100
<b>Race/Ethnicity</b>						
Hispanic	7	3.2	0	0.0	4	5.5
American Indian	3	1.4	0	0.0	1	1.4
Asian	6	2.7	0	0.0	1	1.4
Black	10	4.5	0	0.0	1	1.4
Other	3	1.4	0	0.0	0	0.0
Unknown	7	3.2	0	0.0	1	1.4
White	185	83.7	4	100.0	65	89.0
	221	100	4	100	73	100
<b>Zip Code</b>						
54106	1	0.5	0	0.0	1	1.4
54107	1	0.5	0	0.0	0	0.0
54113	2	0.9	0	0.0	0	0.0
54115	1	0.5	0	0.0	0	0.0
54130	12	5.4	0	0.0	5	6.8
54136	2	0.9	0	0.0	0	0.0
54140	4	1.8	1	25.0	2	2.7
54152	1	0.5	0	0.0	0	0.0
54155	2	0.9	0	0.0	1	1.4
54165	2	0.9	0	0.0	1	1.4
54170	4	1.8	0	0.0	2	2.7
54911	22	10.0	0	0.0	2	2.7
54913	9	4.1	0	0.0	3	4.1
54914	34	15.4	3	75.0	10	13.7
54915	35	15.8	0	0.0	14	19.2

54922	1	0.5	0	0.0	0	0.0
54929	10	4.5	0	0.0	4	5.5
54940	6	2.7	0	0.0	1	1.4
54942	6	2.7	0	0.0	3	4.1
54944	5	2.3	0	0.0	1	1.4
54956	44	19.9	0	0.0	17	23.3
54961	17	7.7	0	0.0	6	8.2
	221	100	4	100	73	100

