

Health & Community Services Department



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The STD Problem in Kalamazoo County: Status Update

March 3, 2016

STD Incidence Rates per 100,000

(2015 End of Year)

	Chlamydia	Gonorrhea
Michigan	485	112
Region 5	539	123
Kalamazoo Co.	856	265

Source: Michigan Disease Surveillance System, 3/1/2016



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Chlamydia Rankings by LHD*

Local Health Dept. (LHD)	Rate 2004-2008	Rate 2009-2013	Rate 2014	# Cases 2014	Ranking by 2014 Rate
Michigan	484.3	490.7	452.5	44,843	-
City of Detroit HD	1,932.20	2,216.70	1,481.80	10,028	1
Kalamazoo County HCSD	715.4	691.5	791.3	2,048	2
Muskegon County HD	737.6	746.7	719.5	1,240	3
Genesee County HD	688	717.1	708.4	2,925	4
Ingham County HD	661.6	662.8	606.5	1,726	5
Kent County HD	576.1	562	582.3	3,664	6
Washtenaw County HD	392.9	385.9	402.4	1,436	7
Wayne County HD	340	346.3	393.9	4,286	8
Oakland County HD	300.5	297.6	289.9	3,589	9
Macomb County HD	275.7	271.3	280.7	2,414	10
All Other Local HDs	214.7	266.4	292.1	11,487	-

*Per 100,000

Source: [Michigan Department of Health & Human Services](#)

Gonorrhea Rankings by LHD*

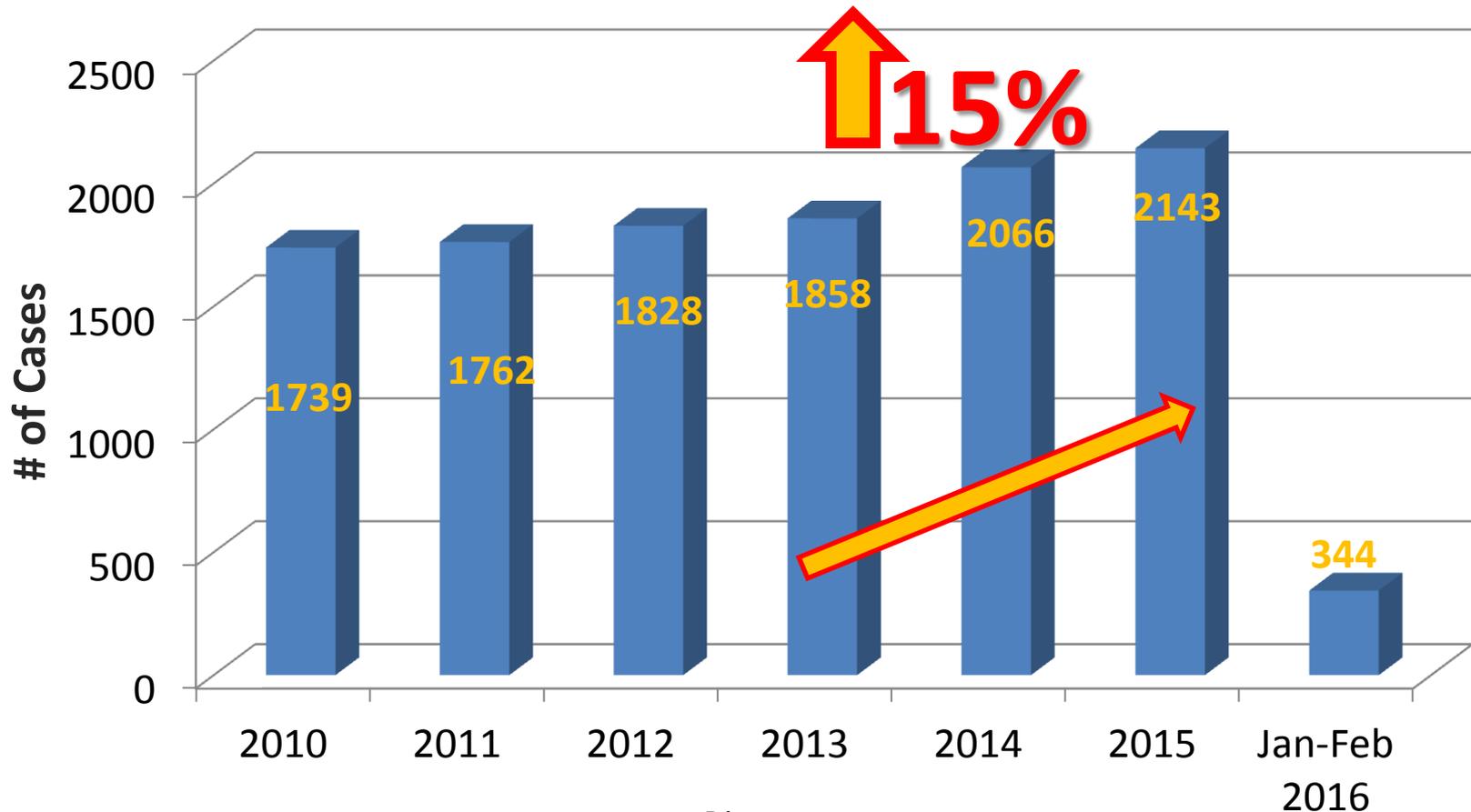
Local Health Dept. (LHD)	Rate 2004-2008	Rate 2009-2013	Rate 2014	# Cases 2014	Ranking by 2014 Rate
Michigan	131.5	133.2	97.5	9,666	-
City of Detroit HD	763.5	875.9	470.1	3,181	1
Kalamazoo County HCSD	160.9	155.5	255	660	2
Genesee County HD	223.1	232.5	184.8	763	3
Saginaw County HD	121.1	125	172.3	336	4
Muskegon County HD	164.8	166.9	153.8	265	5
Ingham County HD	139.9	140.2	144.4	411	6
Kent County HD	121.9	118.9	137	862	7
Wayne County HD	81.9	83.4	82.9	902	8
Macomb County HD	64.7	63.7	55.8	480	9
Oakland County HD	78.7	77.9	49.6	614	10
All other local HDs	55.9	38.4	29.1	1,192	-

*Per 100,000

Source: [Michigan Department of Health & Human Services](#)

Total Diagnosed Cases of Chlamydia

Kalamazoo County, MI

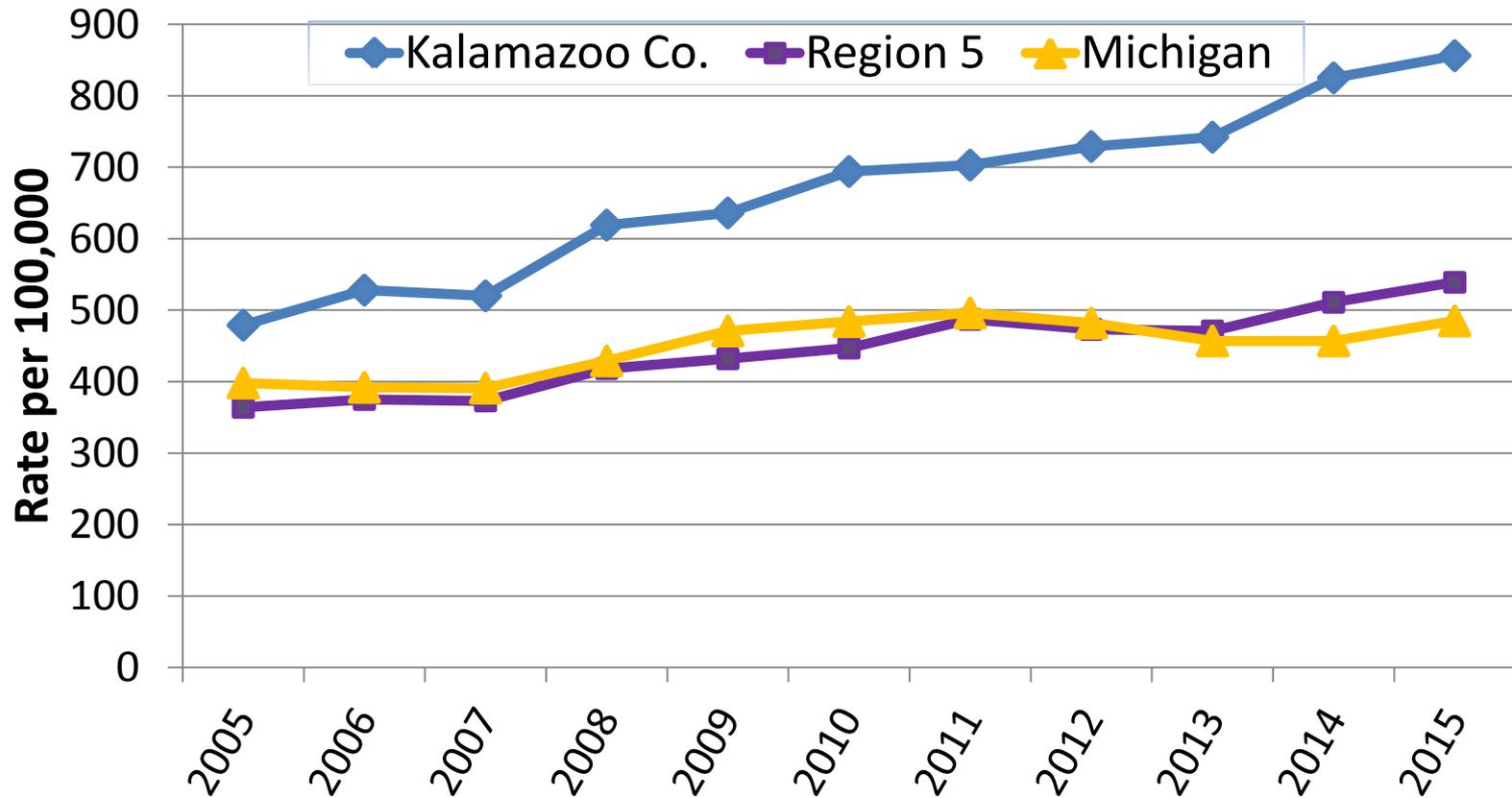


Source: Michigan Disease Surveillance System



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Chlamydia Rates (per 100,000)

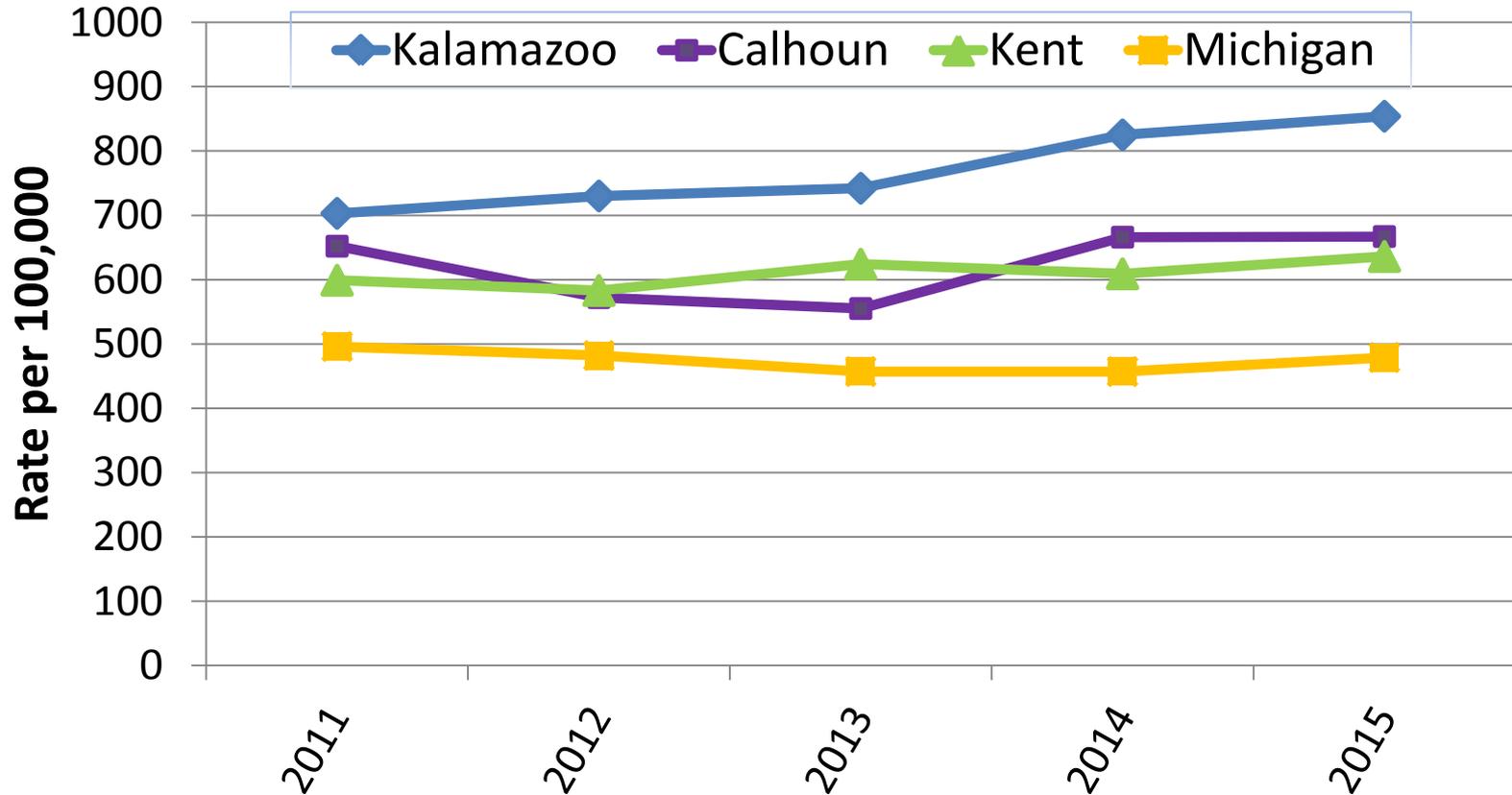


Source: Michigan Disease Surveillance System



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Chlamydia Rates (per 100,000)



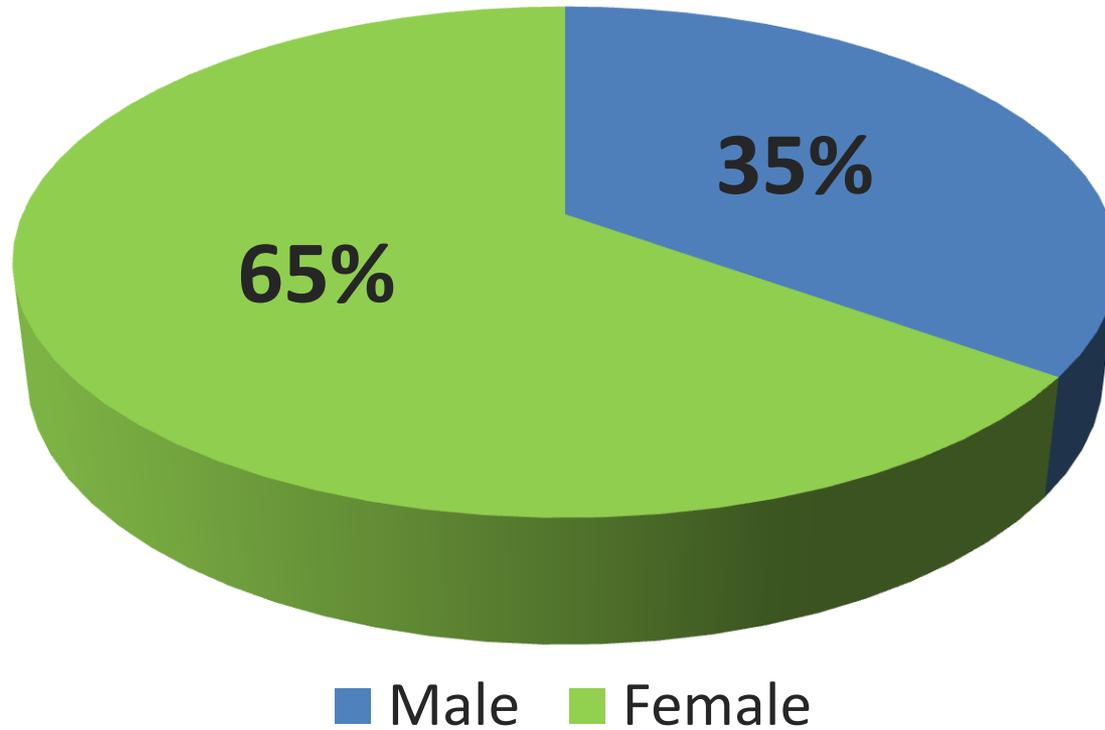
Source: Michigan Disease Surveillance System



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Chlamydia Diagnoses by Gender

Kalamazoo County, 2015



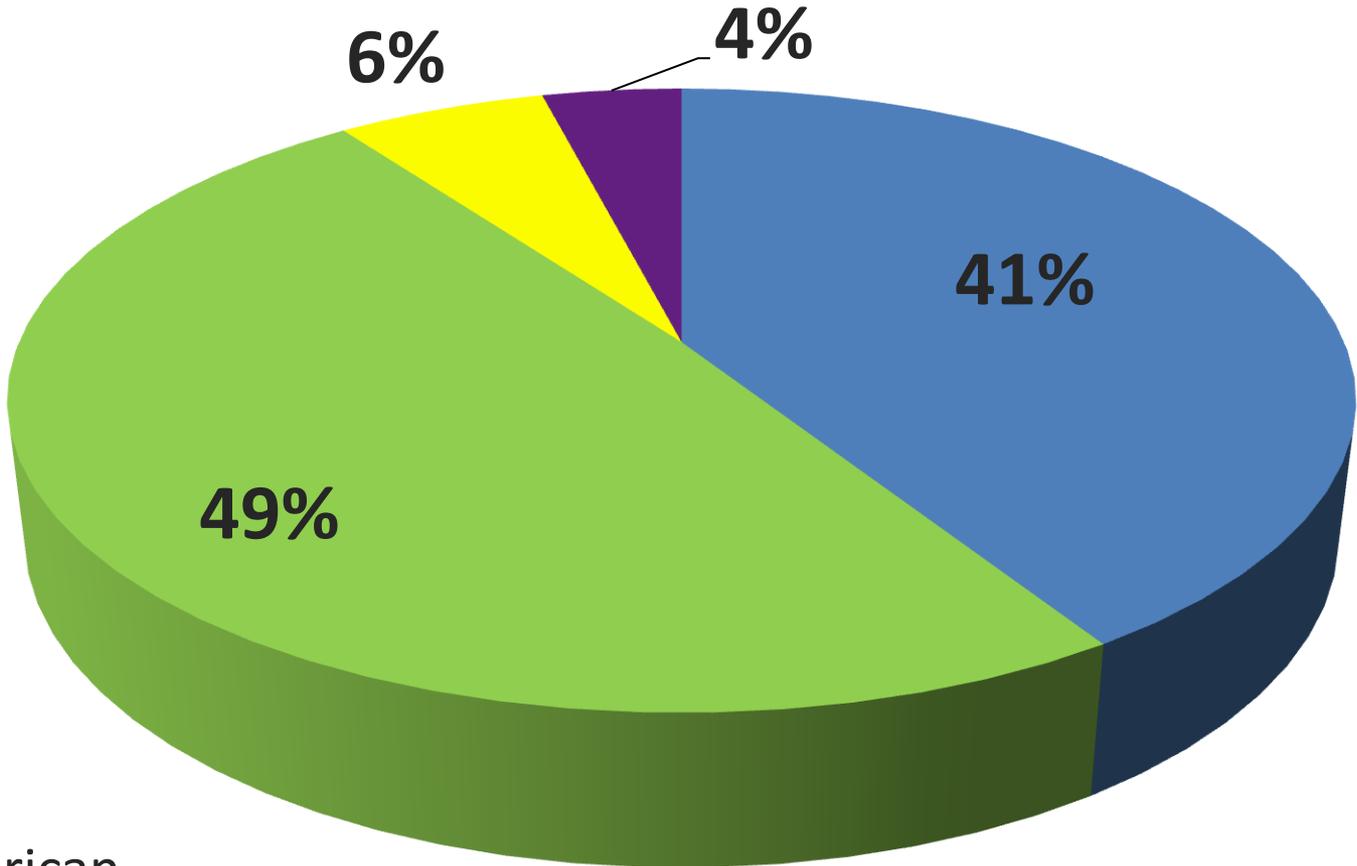
Source: Michigan Disease Surveillance System



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Chlamydia Diagnoses by Race

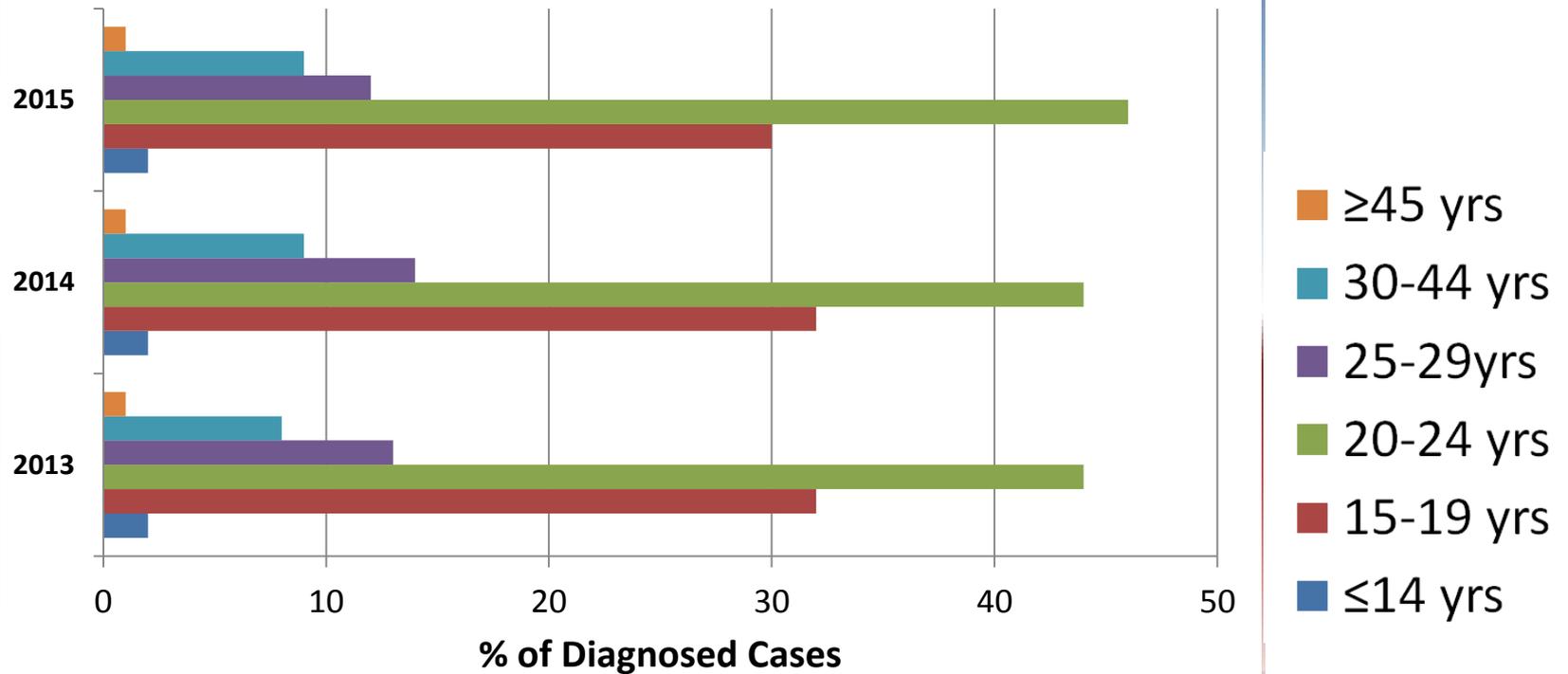
Kalamazoo County, 2015



- Caucasian
- African American
- Other
- Unknown

Source: Michigan Disease Surveillance System

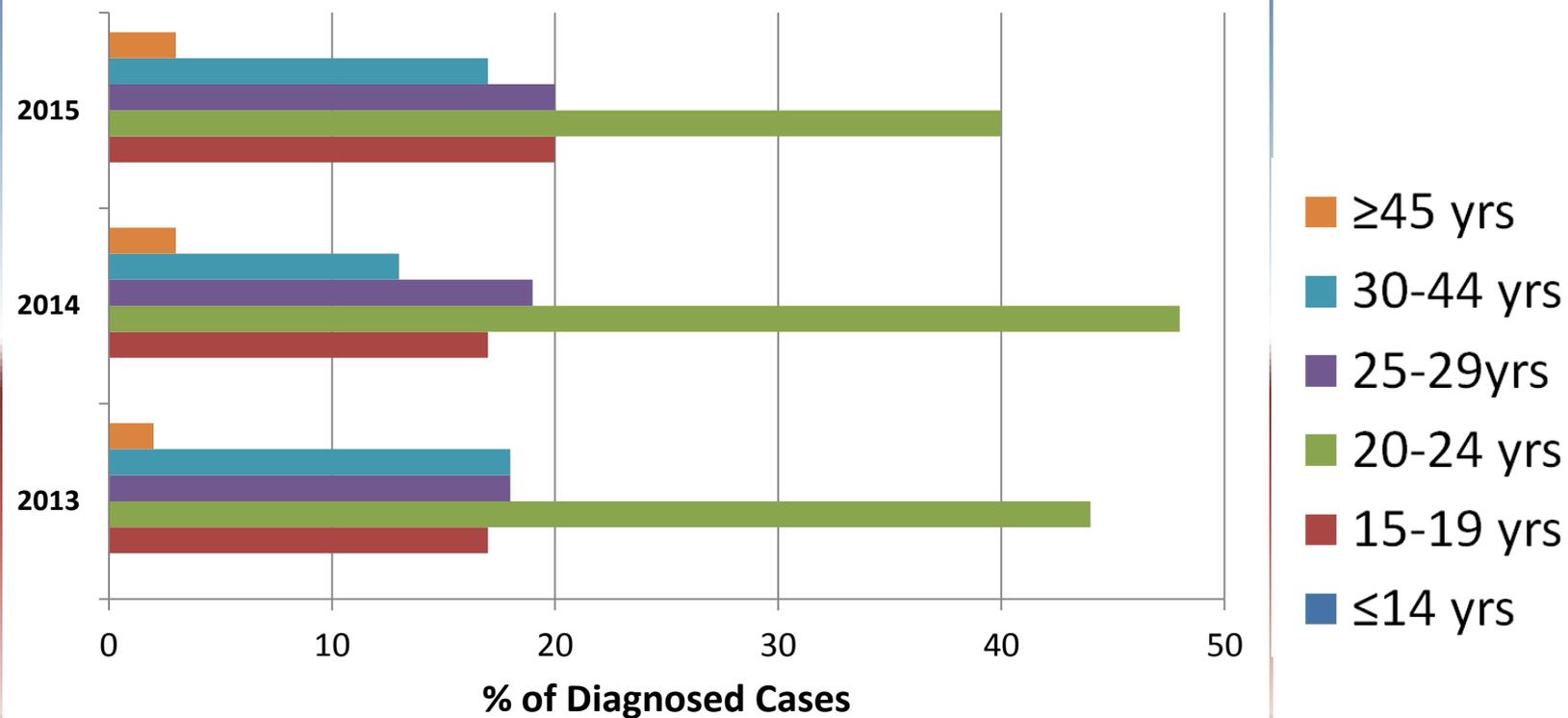
Chlamydia Diagnoses by *Female* Gender & Age (Kalamazoo Co.)



30% of cases = 15-19 y/o
46% of cases = 20-24 y/o

Avg. Female Age = 23

Chlamydia Diagnoses by **Male** Gender & Age (Kalamazoo Co.)

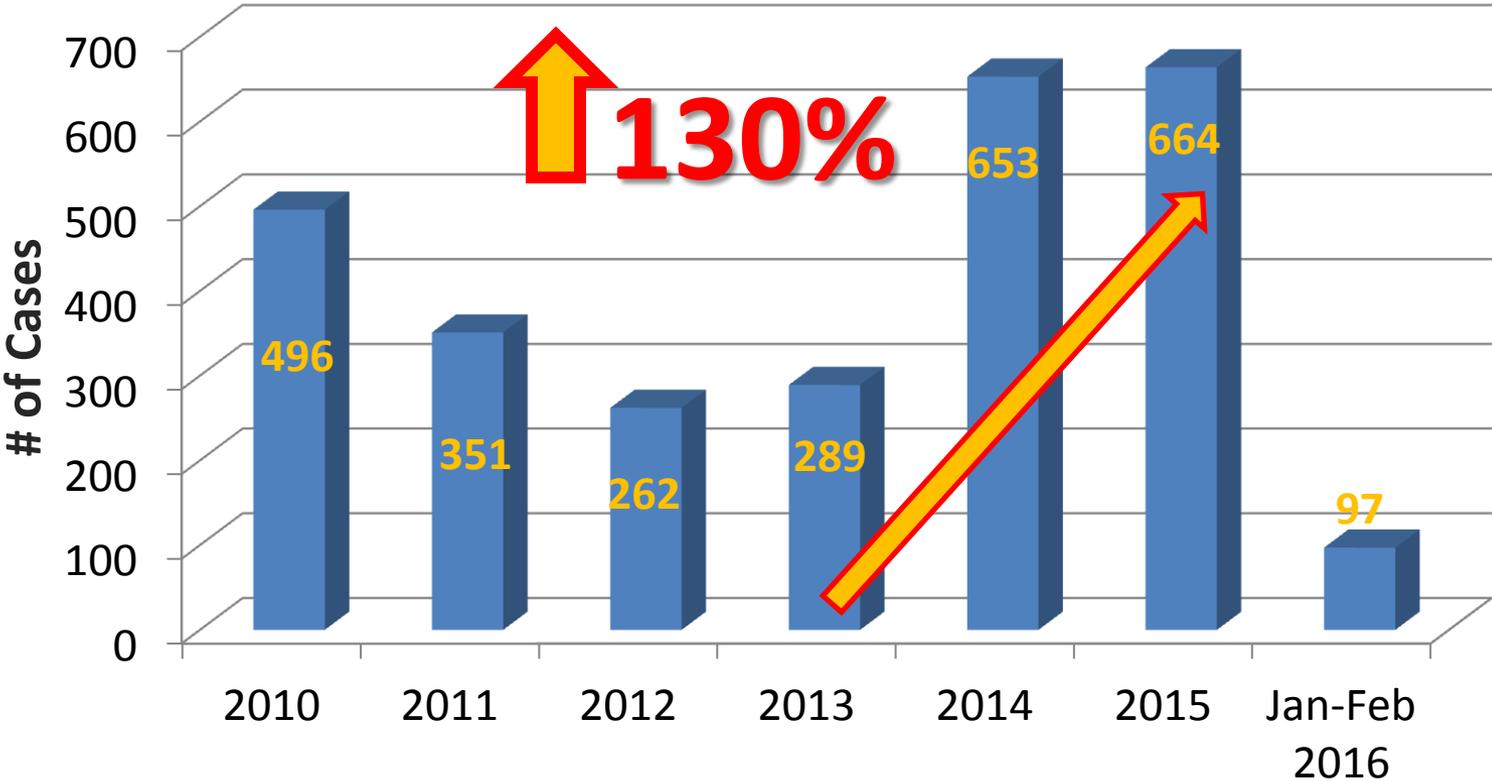


20% of cases = 15-19 y/o
40% of cases = 20-24 y/o

Avg. Male Age = 25

Total Diagnosed Cases of Gonorrhea

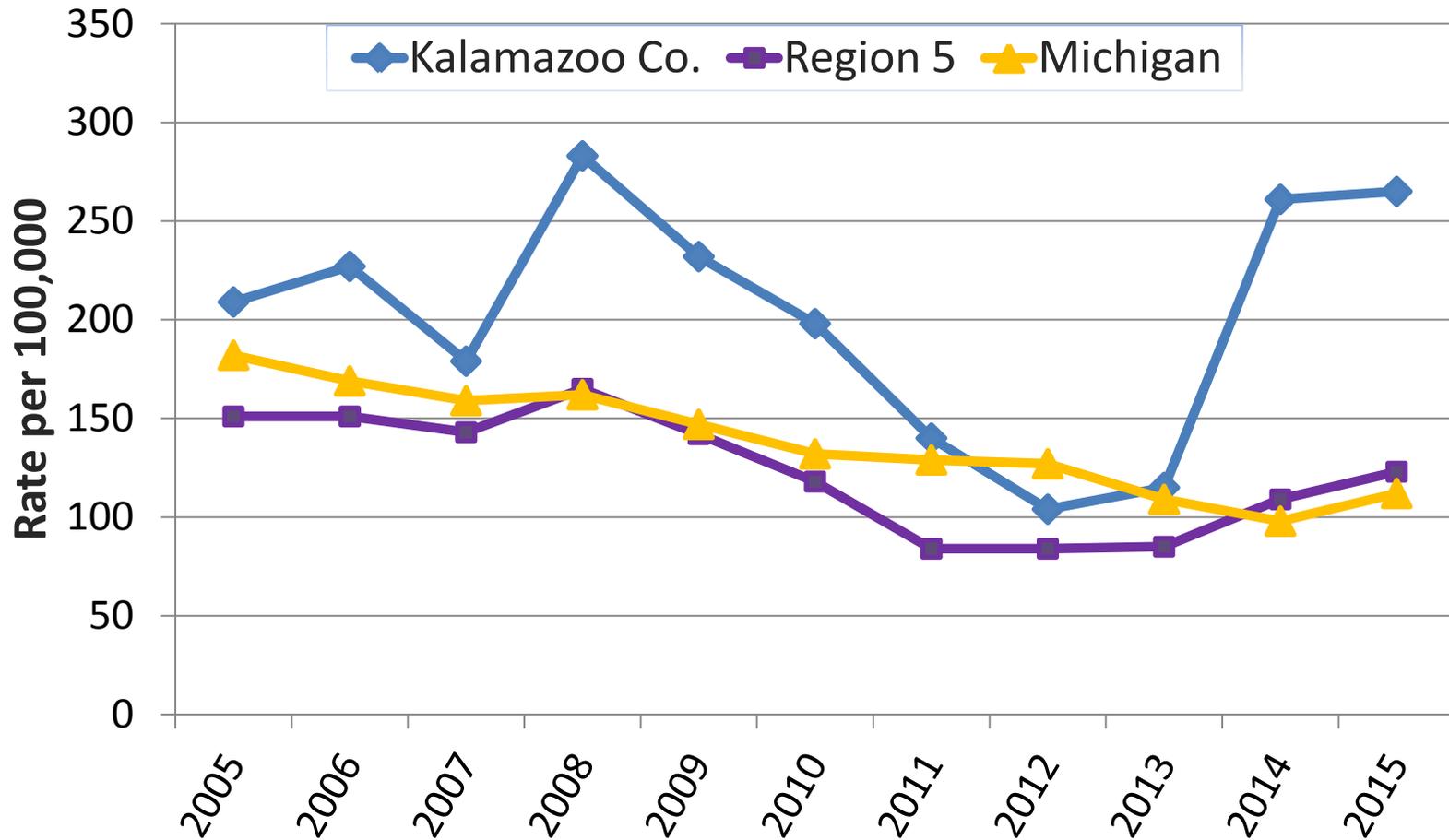
Kalamazoo County, MI



Source: Michigan Disease Surveillance System



Gonorrhea Rates (per 100,000)

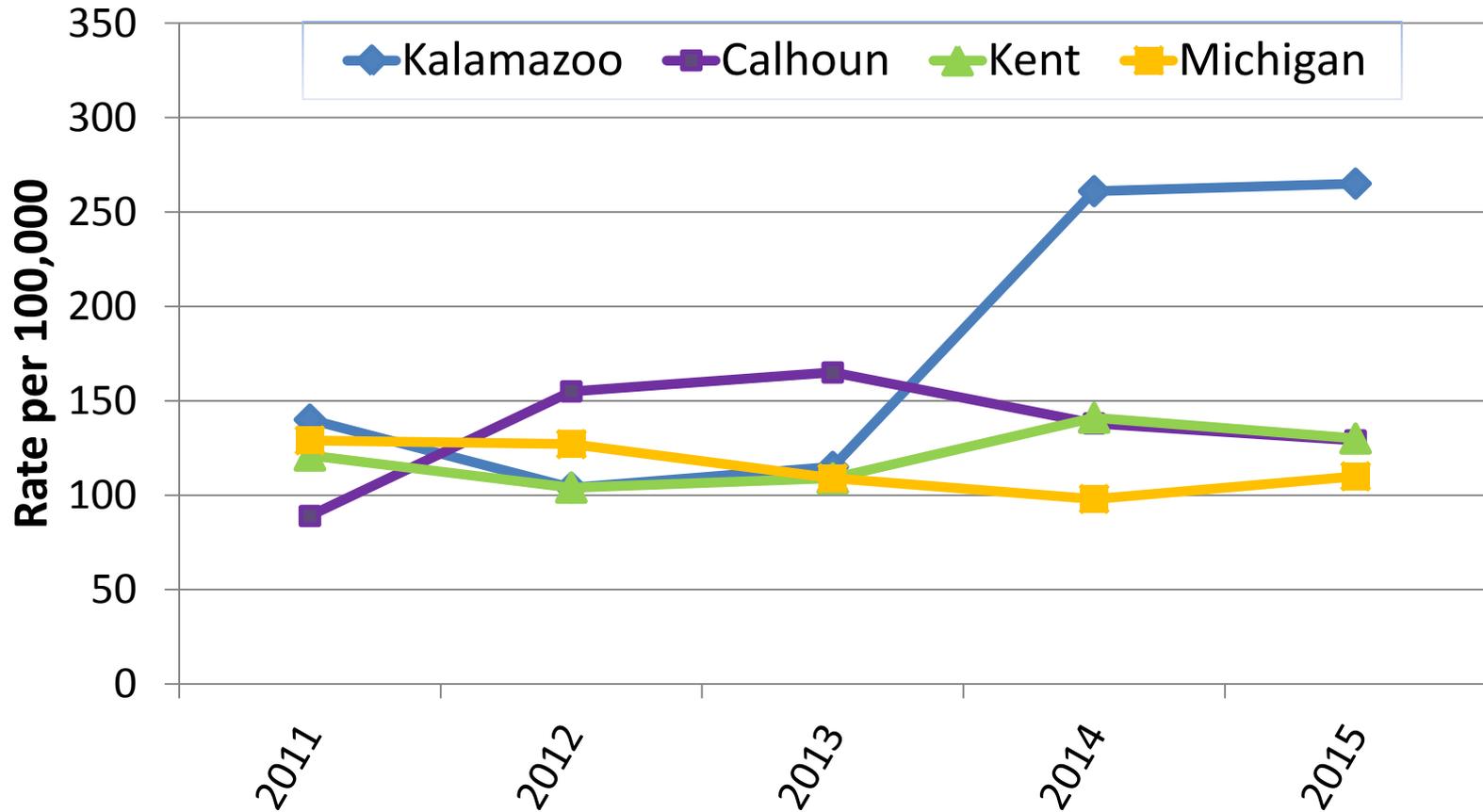


Source: Michigan Disease Surveillance System



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Gonorrhea Rates (per 100,000)



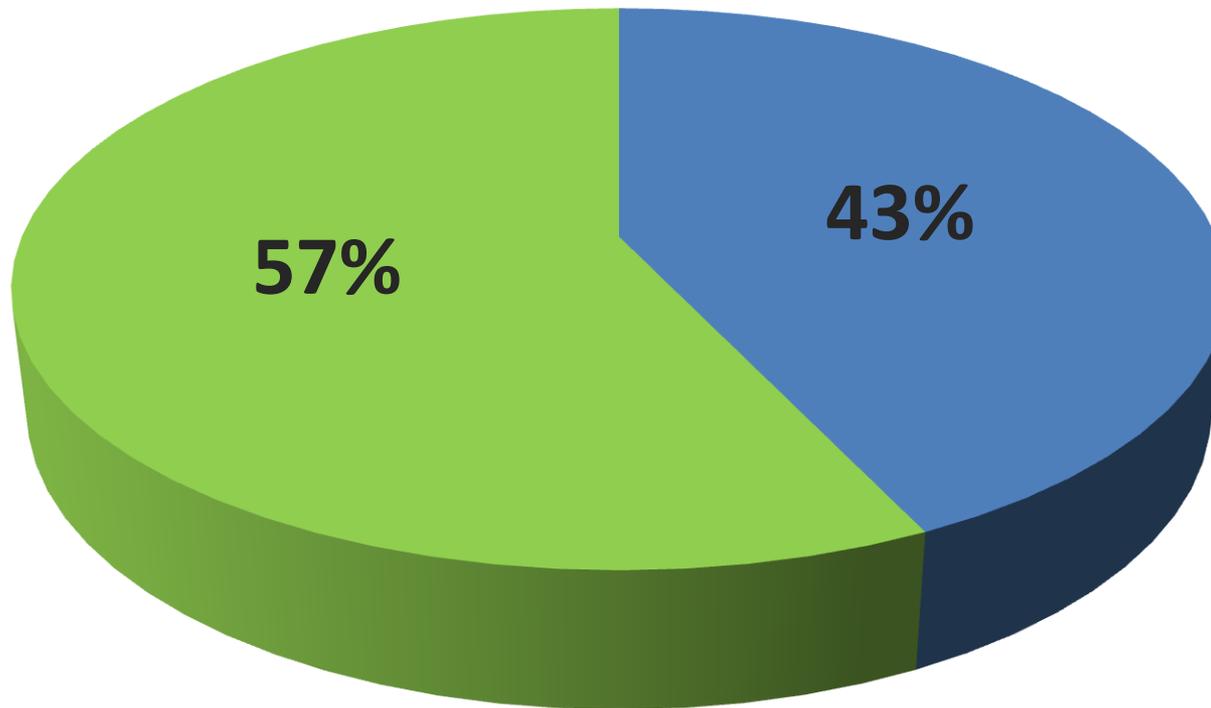
Source: Michigan Disease Surveillance System



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Gonorrhea Diagnoses by Gender

Kalamazoo County, 2015



■ Male ■ Female

Source: Michigan Disease Surveillance System

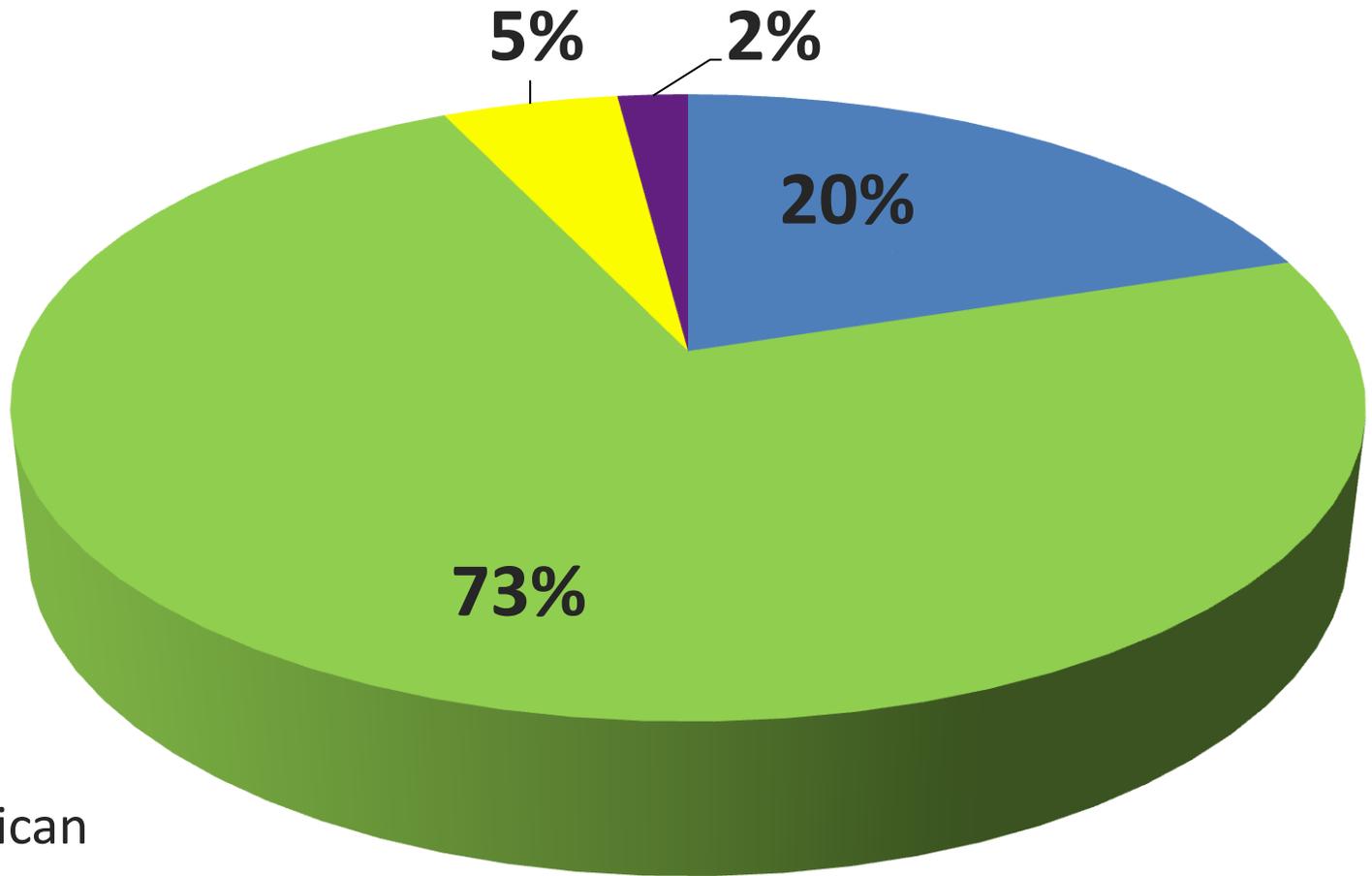


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Gonorrhea Diagnoses by Race

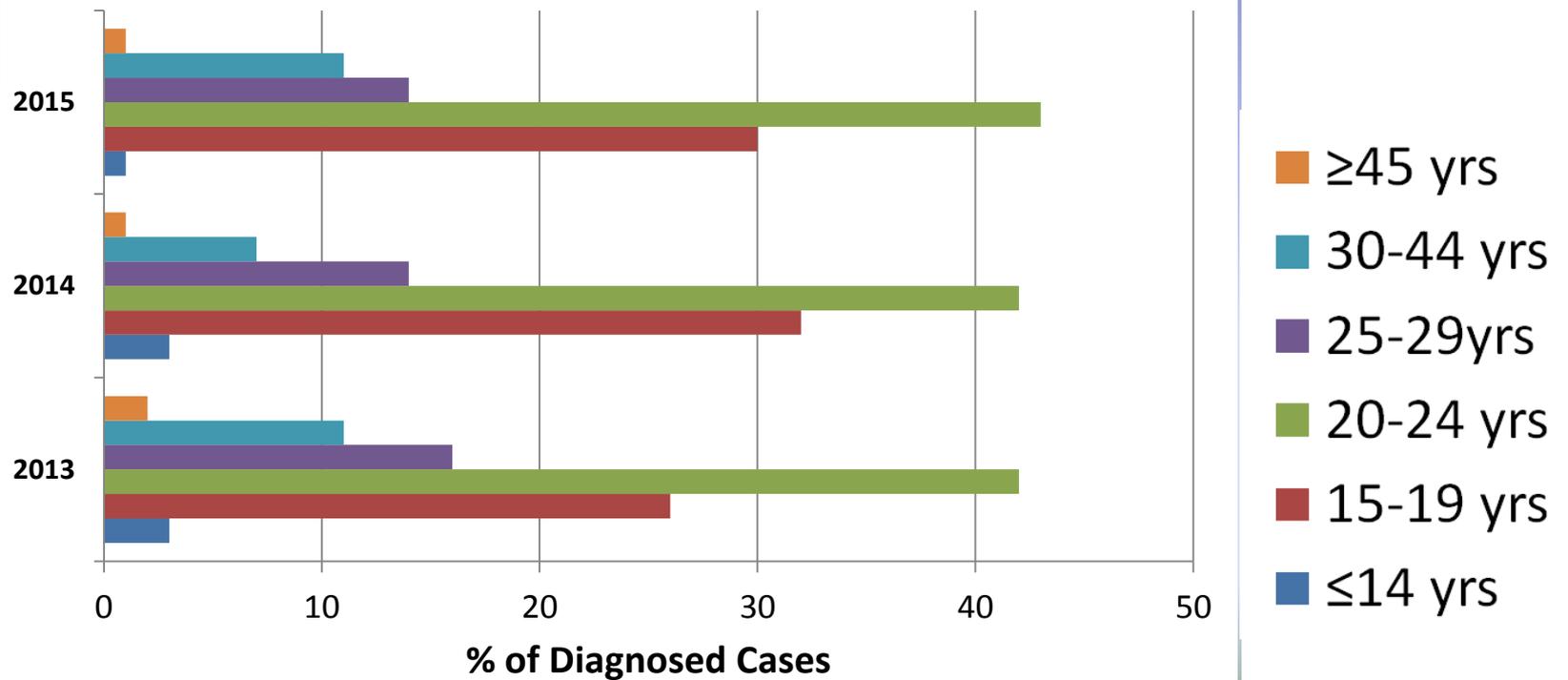
Kalamazoo County, 2015



- Caucasian
- African American
- Other
- Unknown

Source: Michigan Disease Surveillance System

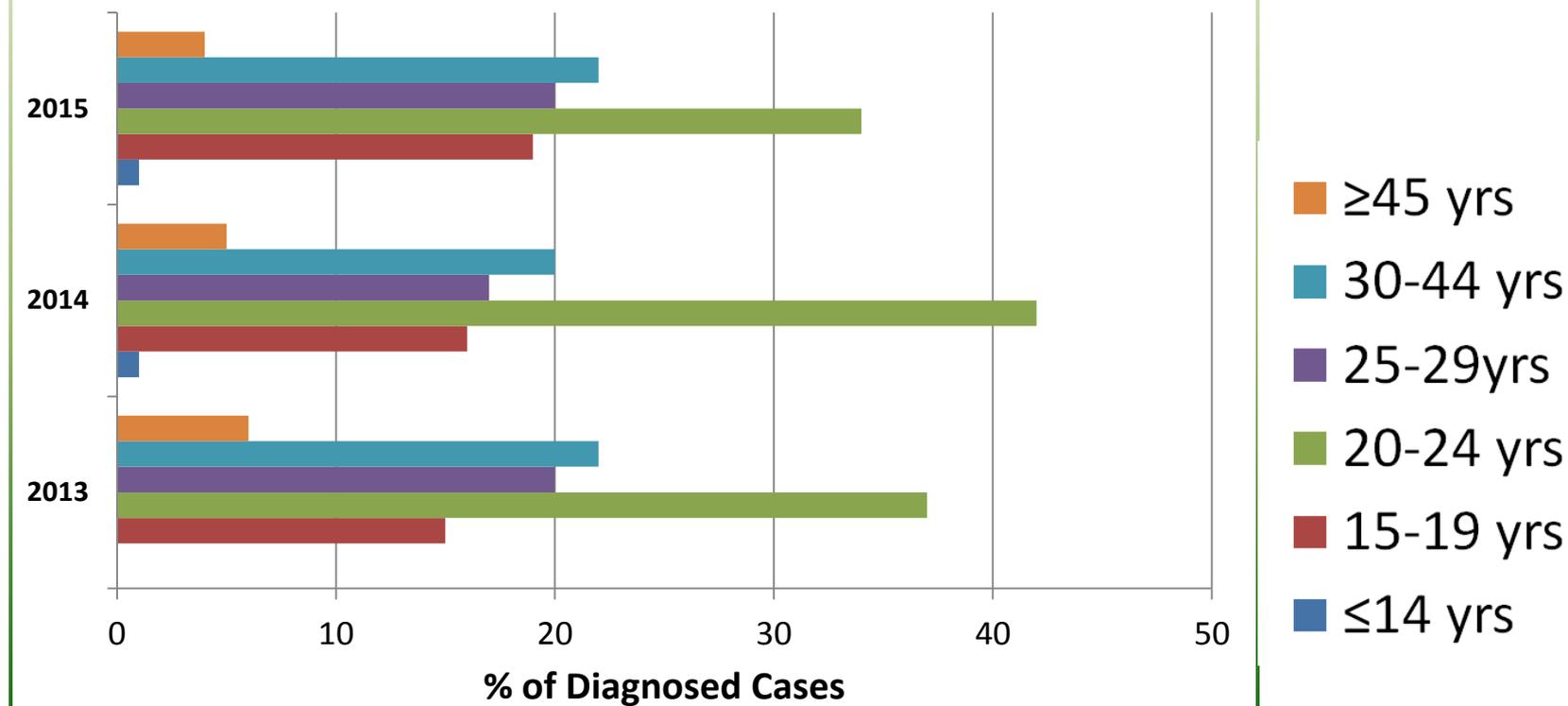
Gonorrhea Diagnoses by **Female** Gender & Age (Kalamazoo Co., MI)



30% of cases= 15-19 y/o
43% of cases = 20-24 y/o

Avg. Female Age = 23

Gonorrhea Diagnoses by **Male** Gender & Age
(Kalamazoo Co., MI)

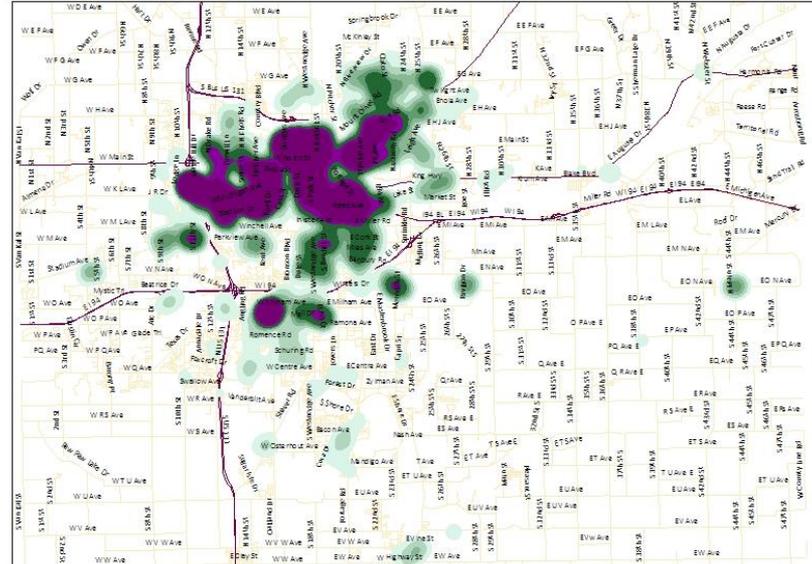
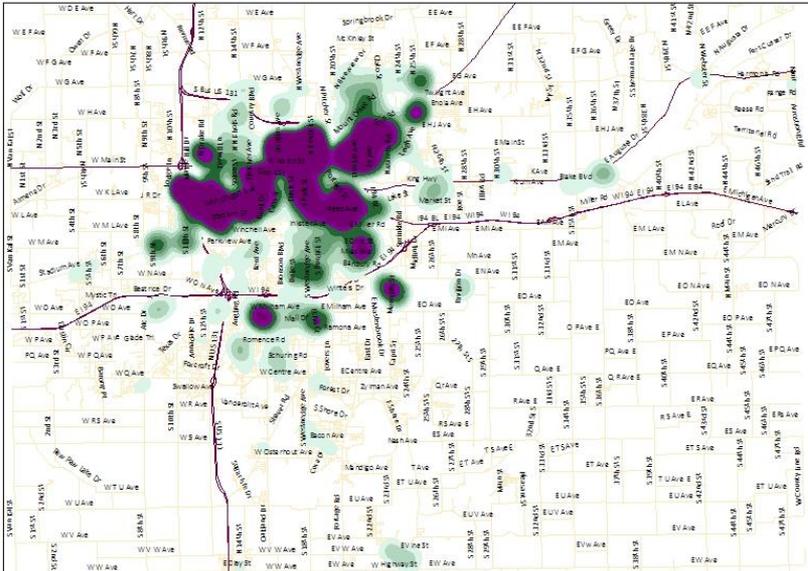


19% of cases= 15-19 y/o
34% of cases = 20-24 y/o

Avg. Male Age = 26

Density of Cases* of Chlamydia in 2012 Kalamazoo County, MI

Density of Cases* of Chlamydia in 2014 Kalamazoo County, MI

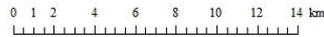


*Density of cases were estimated using geocoded data from Michigan Disease Surveillance System. Cases represent positive tests, not individuals.

Density Of Cases
(estimated # of cases per km)

- 0 - 2
- 3 - 4
- 5 - 6
- 7 - 8
- 9 - 10
- 11 - 15
- 16 - 20
- 21+

— Highway
— Minor Road



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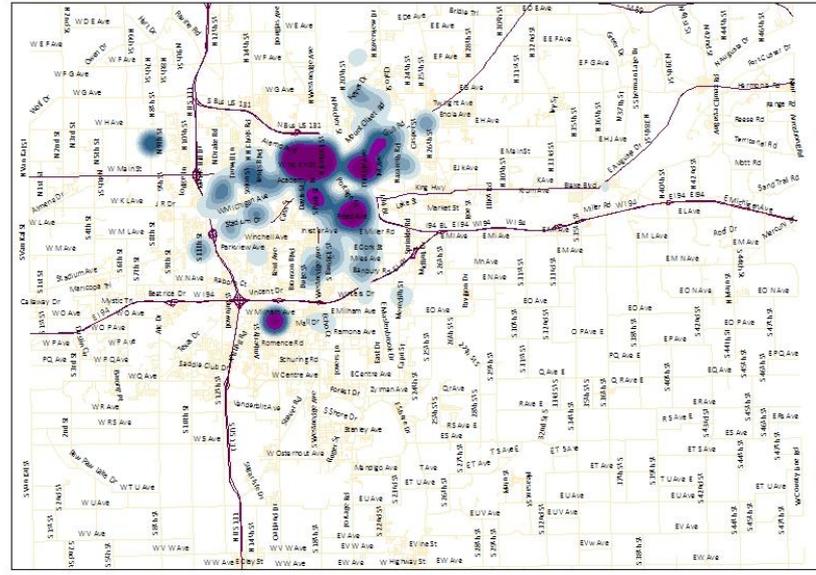
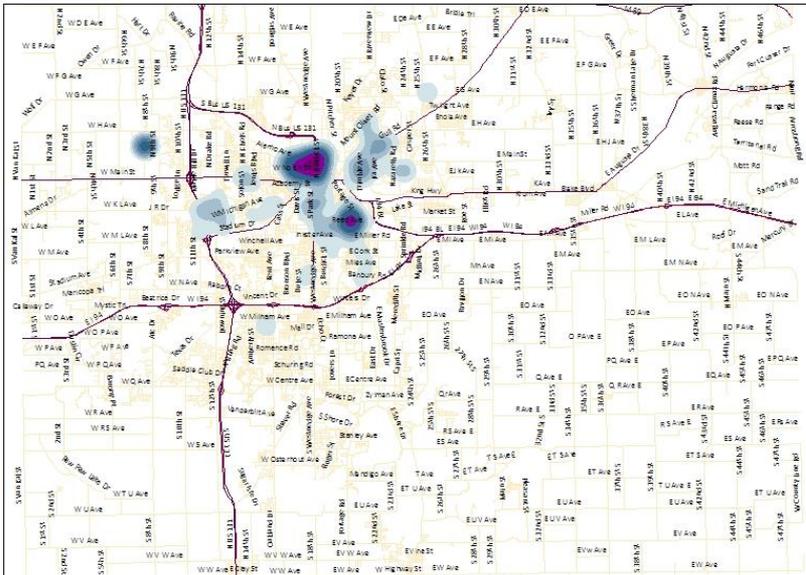
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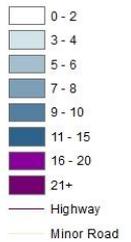
Density of Cases* of Gonorrhea in 2012
Kalamazoo County, MI

Density of Cases* of Gonorrhea in 2014
Kalamazoo County, MI



*Density of cases were estimated using geocoded data from Michigan Disease Surveillance System. Cases represent positive tests, not individuals.

Density Of Cases
 (estimated # of cases per km)



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Summary

- Kzoo Co.—**2nd highest** LHD rate of Chlamydia & Gonorrhea (2014)
- Kzoo Co. Gonorrhea rates more than **doubled** between 2013 and 2014 & continued to increase even higher in 2015
- African Americans and Females disproportionately affected
- Increased rate of STDs in younger age groups
- Increasingly wider geographical spread

