Missouri Department of Health and Senior Services (DHSS)

Weekly Communicable Disease Report

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Weekly Communicable Disease Report

Disease or Condition:

Haemophilus Influenzae, Invasive

Report for Week 4 of 2017
Run Date = 31JAN17

For DHSS and LPHA Internal Use Only.
Data Included in This Report is Provisional.

Data Source: Confirmed and Probable Cases of Diseases & Conditions entered into the Missouri Health Surveillance Information System (WEBSURV)

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Quartile Analysis of Year-to-date Counts for Week 4, 2017

Haemophilus Influenzae, Invasive

County	Week 4 YTD[1]	Week 3 YTD[1]	Week 2 YTD[1]	Five Year 1st Quartile	Five Year Median	Five Year 3rd Quartile	Change from Week 3 to Week 4	Change from Week 4 to 5-Year Median	Rate per 100,000 Week 4	Relative Rate Week 4	First Week Reported[2]	Last Week Reported
Boone	1	1	0	No Data	0	No Data	0.0%	0.0%	0.74	2.75	3	3
Jasper	1	1	1	1	1	1	0.0%	0.0%	1.56	5.81	2	2
St Charles	3	3	1	1	1	2	0.0%	200.0%	1.06	3.94	1	3
St Clair	1	1	0	No Data	0	No Data	0.0%	0.0%	10.36	38.65	3	3
St Francois	1	1	1	1	1	1	0.0%	0.0%	1.80	6.70	1	1
St Louis	5	5	3	1	1	2	0.0%	400.0%	0.49	1.84	1	3
Independence	1	1	0	No Data	0	No Data	0.0%	0.0%	0.88	3.29	3	3
Kansas City	2	2	0	1	1	1	0.0%	100.0%	0.45	1.69	3	3
Troop A Total	3	3	0	1	2	3	0.0%	50.0%	0.24	0.91	3	3
Troop C Total	9	9	5	1	3	6	0.0%	200.0%	0.21	0.79	1	3
Troop D Total	2	2	1	3	5	6	0.0%	(55.6%)	0.26	0.98	2	3
Troop F Total	1	1	0	No Data	0	No Data	0.0%	0.0%	0.23	0.86	3	3
State Total	15	15	6	10	10	15	0.0%	50.0%	0.27	1.00	1	3

[1] *Analysis Results Legend:*

The Year-to-Date (YTD) count is above the 5-year median.
The Year-to-Date (YTD) count is above the 5-year 3rd quartile for a period of one or two weeks.
The Year-to-Date (YTD) count is above the 5-year 3rd quartile for a period of three weeks.
The Year-to-Date (YTD) count is above the 5-year Maximum.

[2] *First Week Reported in 2017*

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report for Week 4, 2017
Disease or Condition Analysis
Compared to Last Report run on 01/24/2017 for Week 3, 2017

Haemophilus Influenzae, Invasive

County	Data Status [1,2]	1st Week Reported Current Report	1st Week Reported Last Report	Change in Count	Week 4 Quartile Results [3]	Week 3 Quartile Results [4]	Data Trend Analysis [5]	Data Elevation Analysis [6]
Boone	Old	3	3	0	Above Median	Above Median	Flat	Above Normal
Jasper	Old	2	2	0	Below Median	Below Median	Flat	Below Normal
St Charles	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
St Clair	Old	3	No Data	1	Above Median	Below Median	Increase	Above Normal
St Francois	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
St Louis	Old	1	1	-1	Above Maximum	Above Maximum	Decrease	Very Elevated
Independence	Old	3	No Data	1	Above Median	Below Median	Increase	Above Normal
Kansas City	Old	3	3	1	Above Maximum	Below Median	Increase	Very Elevated
Troop A Total	Old	3	3	2	Above Median	Below Median	Increase	Above Normal
Troop C Total	Old	1	1	-1	Above Maximum	Above Maximum	Decrease	Very Elevated
Troop D Total	Old	2	2	1	Below Median	Below Median	Increase	Below Normal
Troop F Total	Old	3	3	0	Above Median	Above Median	Flat	Above Normal
State Total	Old	1	1	2	Above 3rd Quartile	Above Median	Increase	Elevated

[1] Data Status: Old=Continuing Occurence in 2017, New=First Occurence in 2017 and Out=Case was Removed from WEBSURV

[2] First Week Reported and/or First Occurence of Disease or Condition in 2017

[3] Week 4 Quartile Results are from the Current Report

[4] Week 3 Quartile Results are from the Last Report

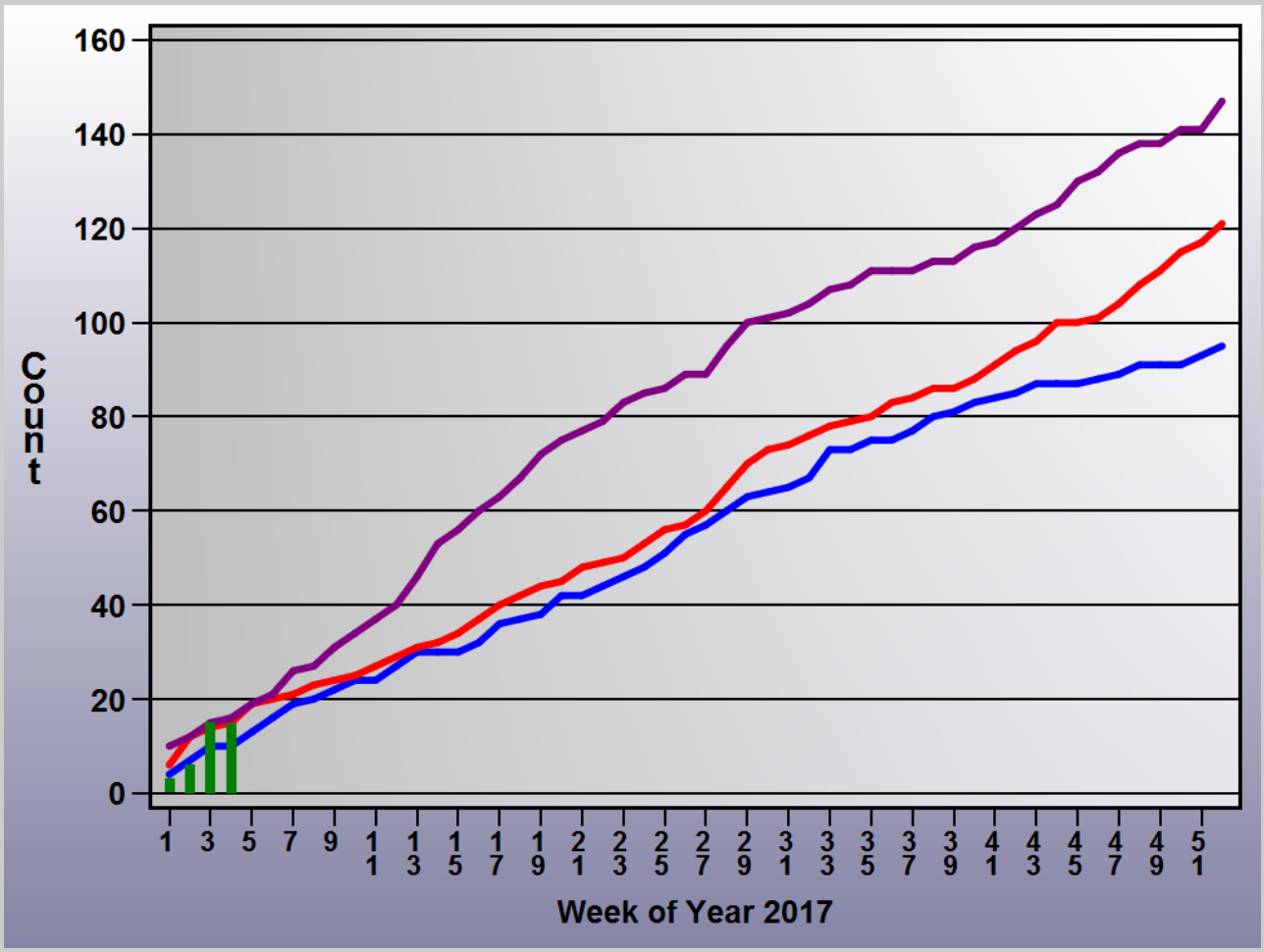
[5] Based on Change in Count Current Report vs Last Report

[6] Based on Quartile Analysis from Current Report where: Below Normal=below median, Above Normal= above median, Elevated=above 3rd quartile and Very Elevated=Above Maximum.

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Quartile Analysis of Year-to-Date Counts for Week 4, 2017

Haemophilus Influenzae, Invasive

YTD Count in 2017 *YTD Median (2012 to 2016)*
YTD Third Quartile (2012 to 2016) *YTD Maximum (2012 to 2016)*



Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Reports
Comparison of 4-week Count Mean for Week 4, 2017 with Historical Limits

Haemophilus Influenzae, Invasive

County	Analysis Results [1]	4-week Count Mean for Week 4 [2]	Upper Limit for Week 4 [3]	4-week Count Mean for Week 3 [2]	Upper Limit for Week 3 [3]	4-week Count Mean for Week 2 [2]	Upper Limit for Week 2 [3]
St Charles		0.8	0.3	1.0	0.3	0.5	0.3
St Louis		1.3	1.2	1.3	1.3	0.8	1.3
Kansas City		0.5	0.7	0.5	0.7	0.0	.
Troop A Total		0.8	0.9	0.8	0.8	0.0	.
Troop C Total		2.3	1.8	3.0	1.8	2.0	1.8
Troop D Total		0.5	0.6	1.0	0.6	0.8	0.7
Troop F Total		0.3	0.4	0.3	0.5	0.0	.
State Total		3.8	2.9	5.3	3.0	3.0	3.0

[1] *Analysis Results Legend for Week 4:*

The 4-week Count mean is between the Historical Mean and the Historical Mean plus 1 Std. Dev.
The 4-week Count mean is between the Historical Mean plus 1 Std. Dev. and the Historical Mean plus 2 Std. Dev.
The 4-week Count mean is between the Historical Mean plus 2 Std. Dev. and the Historical Mean plus 3 Std. Dev.
The 4-week Count mean is above the Historical Mean plus 3 Std. Dev.

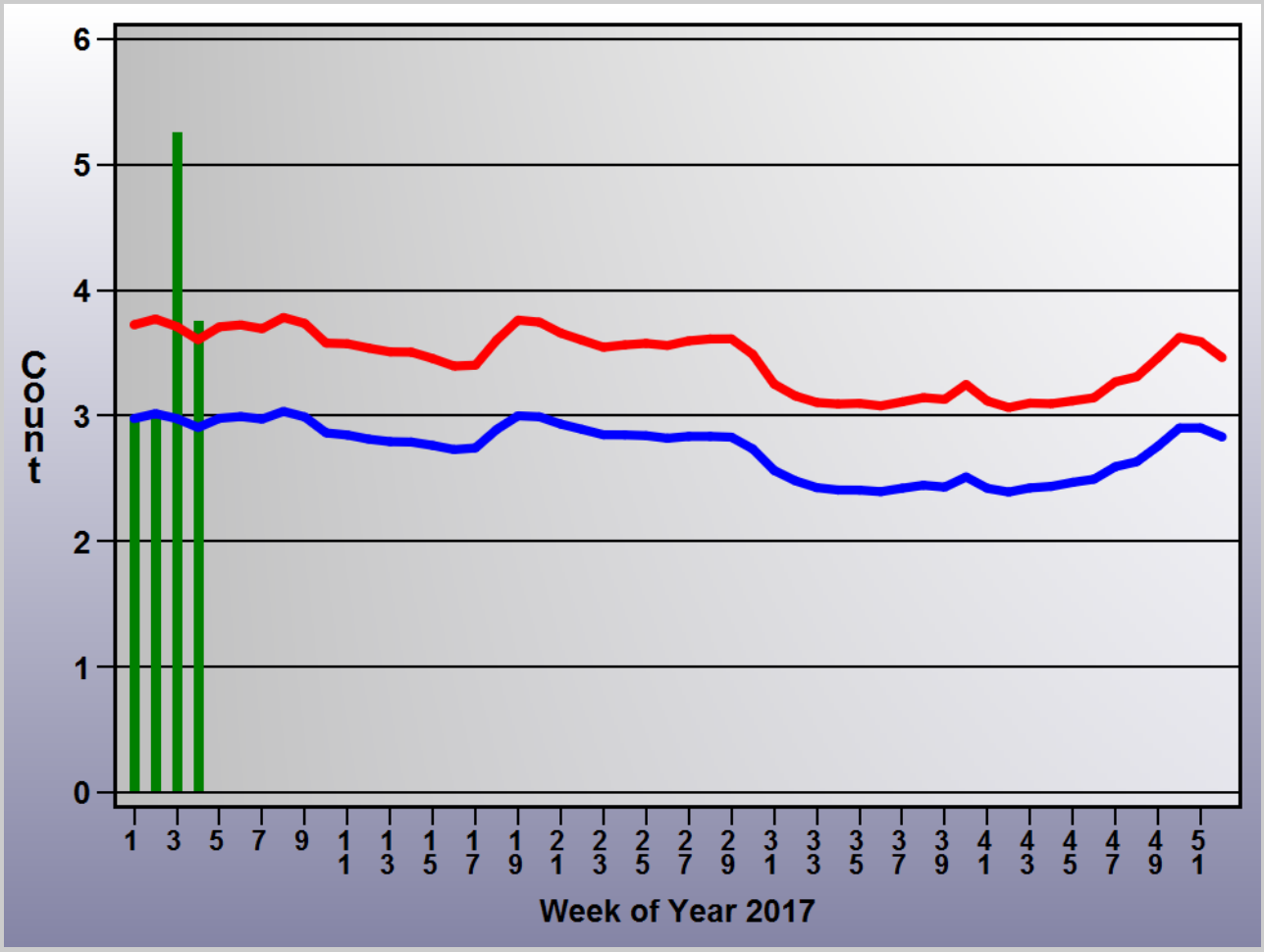
[2] *4-week Count mean based on the current and 3 previous weeks.*

[3] *The Historical Count mean plus two standard deviations based on the current week, 7 previous weeks and 4 subsequents or leading weeks for the past five years.*

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report for
Comparison of Confirmed and Probable 4-week Count Mean Week 4, 2017

Haemophilus Influenzae, Invasive

4-week Count Mean *Historical Limit(2 std)* *Historical Limit(3 std)*



4-week count mean based on the current and 3 previous weeks

The mean plus two standard deviations based on the current week, 7 previous weeks and 4 subsequents or leading weeks for the past five years

The mean plus three standard deviations based on the current week, 7 previous weeks and 4 subsequents or leading weeks for the past five years

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Year-to-Date Counts and Rates for Week 4 , 2017

Haemophilus Influenzae, Invasive

County	Week 4 YTD	Week 4 Rate[1]	Week 4 Relative Rate[2]	Change in Count From Current Report[3]	Change in Count From Last Report[4]
Boone	1	0.7	2.8	0	0
Jasper	1	1.6	5.8	0	0
St Charles	3	1.1	3.9	0	0
St Clair	1	10.4	38.6	0	1
St Francois	1	1.8	6.7	0	0
St Louis	5	0.5	1.8	0	-1
Independence	1	0.9	3.3	0	1
Kansas City	2	0.5	1.7	0	1

[1] *Rates are Year-to-Date Counts per 100,000 population for Week 4, 2017*

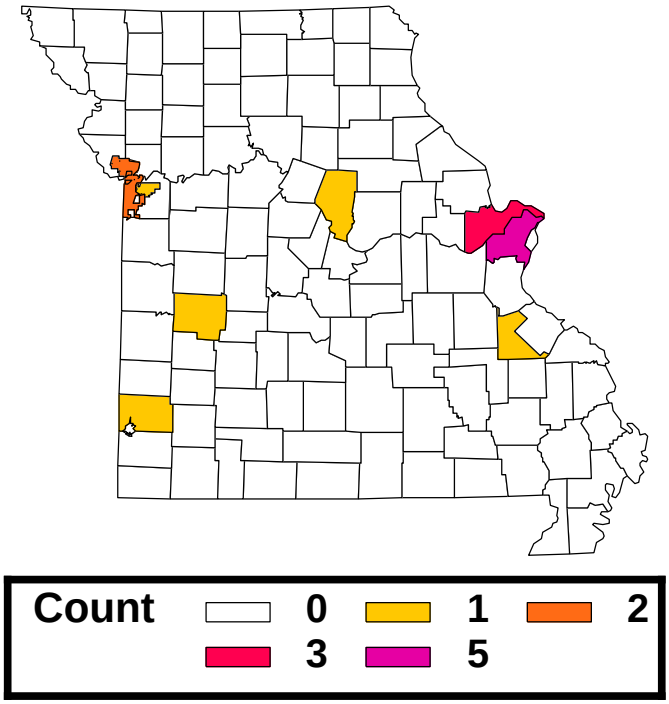
[2] *The relative rate is computed as the county or district rate divided by the overall state rate*

[3] *Current Report was run on 01/31/2017 for Week 4, 2017*

[4] *Last Report was run on 01/24/2017 for Week 3, 2017*

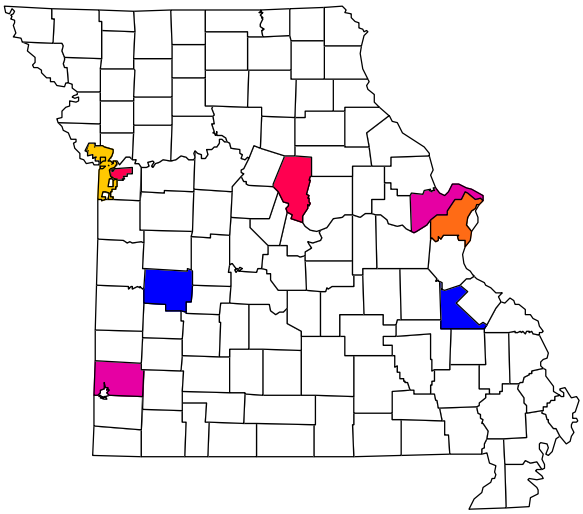
Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
YTD Count for Week 4, 2017
Haemophilus Influenzae, Invasive

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
YTD Count for Week 4, 2017
Haemophilus Influenzae, Invasive



Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Rates for Week 4, 2017
Haemophilus Influenzae, Invasive

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Rates for Week 4, 2017
Haemophilus Influenzae, Invasive



Rate			
	0.0 - 0.0	0.5 - 0.5	0.5 - 0.5
	0.7 - 0.9	1.1 - 1.6	1.8 - 10.4

Rates are Year-to-Date Counts per 100,000 population for Week 4, 2017

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Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Relative Rates for Week 4, 2017
Haemophilus Influenzae, Invasive
State Rate per 100,000 = 0.3

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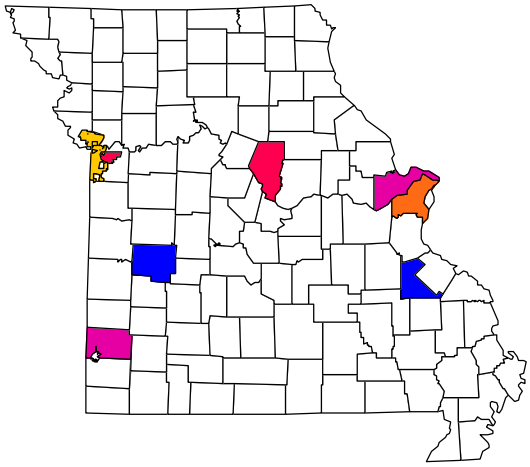
Relative Rates for Week 4, 2017
Haemophilus Influenzae, Invasive
State Rate per 100,000 = 0.3



Relative Rates			
	0.0 - 0.0	1.7 - 1.7	1.8 - 1.8
	2.8 - 3.3	3.9 - 5.8	6.7 - 38.6

The relative rate is computed as the county or district rate divided by the overall state rate

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Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Change in Count Compared to Last Report
Haemophilus Influenzae, Invasive

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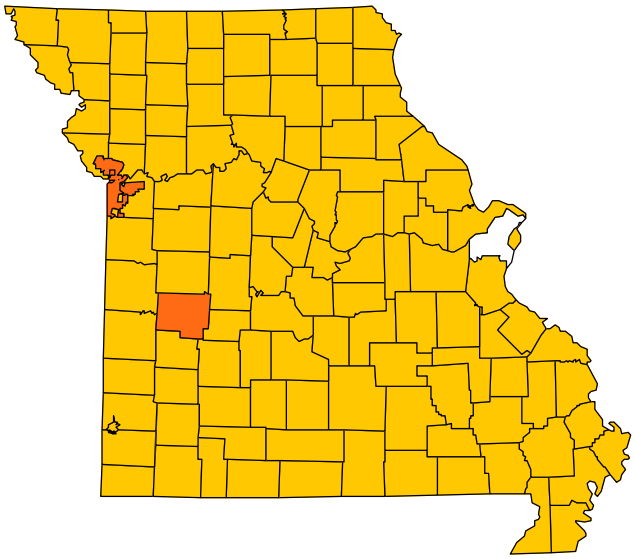
Weekly Communicable Disease Report
Change in Count Compared to Last Report
Haemophilus Influenzae, Invasive



Change in Count -1 0 1

Last Report was run on 01/24/2017 for Week 3, 2017

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Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Reports
Cross Tabulations of YTD Count for Week 4, 2017
State of Missouri
Haemophilus Influenzae, Invasive

Age and Gender		Black	White	Unknown	All
< 2	Female		2		2
	All		2		2
15 to 24					
	Female	1			1
	All	1			1
25 to 34					
	Female		2		2
	All		2		2
35 to 44					
	Female		1		1
	All		1		1
55 to 64					
	Male		2		2
	All		2		2
65 plus					
	Female		4	1	5
	Male		1	1	2
	All		5	2	7
All		1	12	2	15

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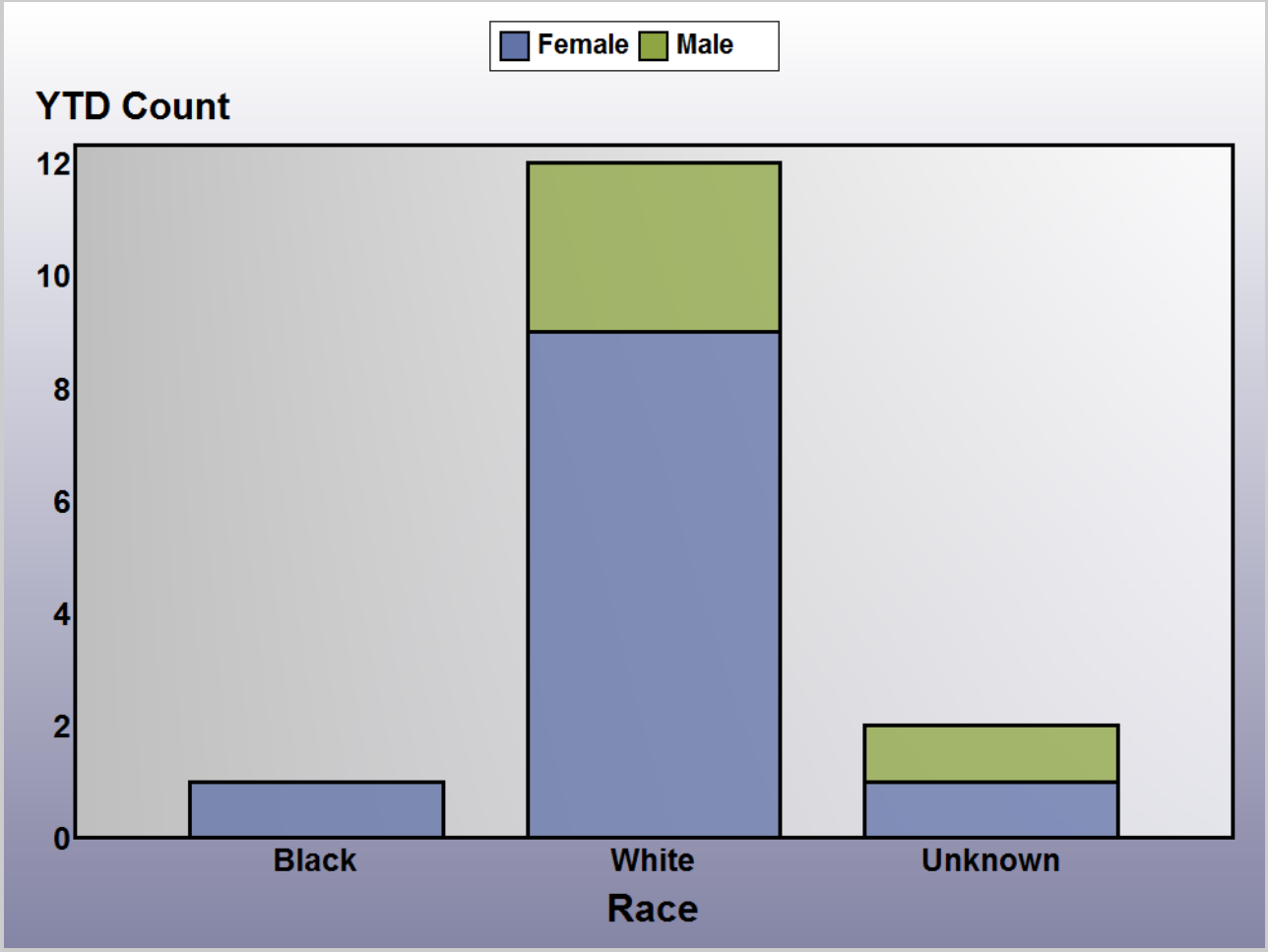
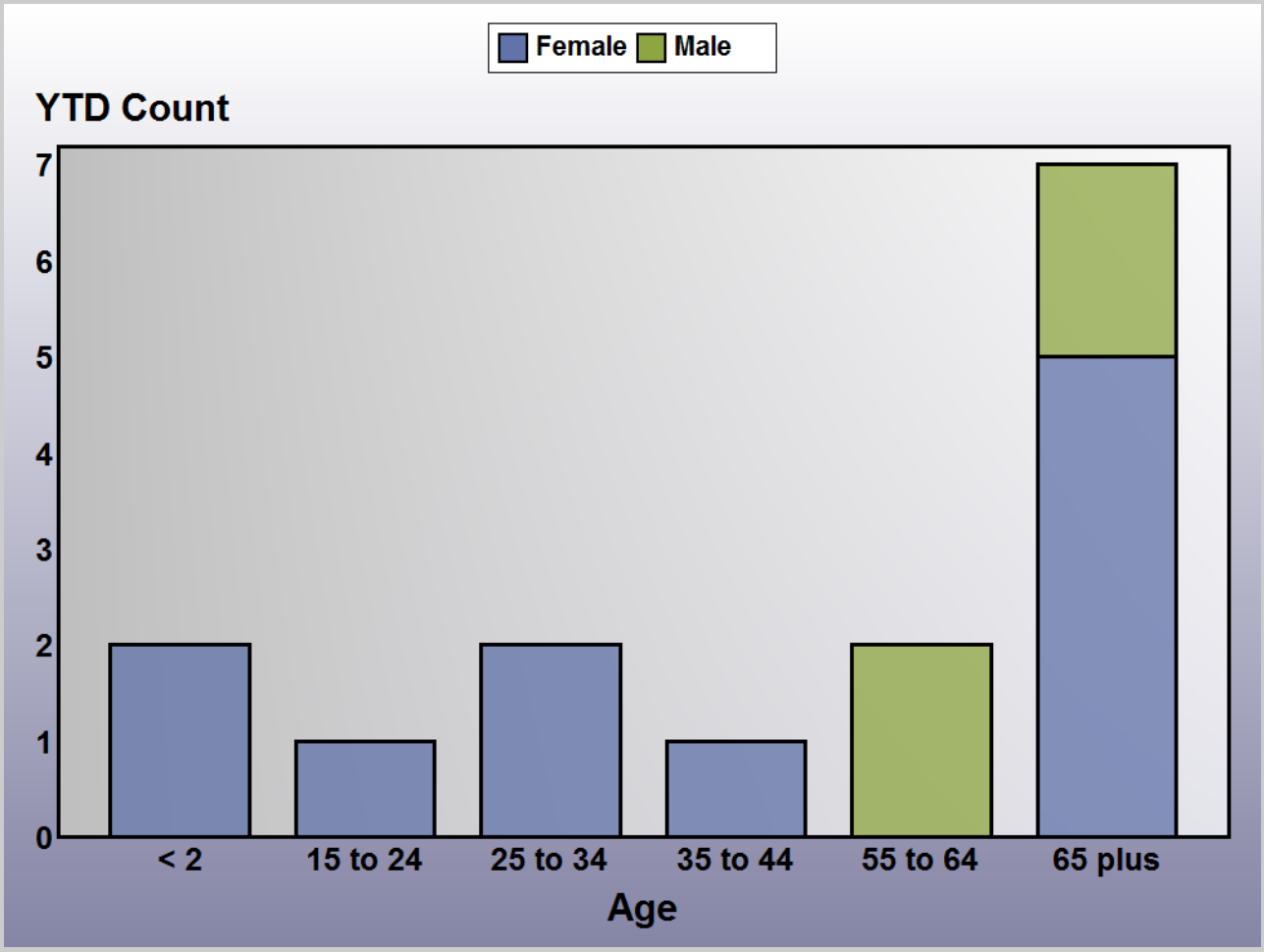
Haemophilus Influenzae, Invasive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