Missouri Department of Health and Senior Services (DHSS)

Weekly Communicable Disease Report

Missouri Department of Health and Senior Services (DHSS)

Weekly Communicable Disease Report

Disease or Condition:

Giardiasis

Report for Week 50 of 2016
Run Date = 20DEC16

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 50, 2016

Giardiasis

County	Week 50 YTD[1]	Week 49 YTD[1]	Week 48 YTD[1]	Five Year 1st Quartile	Five Year Median	Five Year 3rd Quartile	Change from Week 49 to Week 50	Change from Week 50 to 5-Year Median	Rate per 100,000 Week 50	Relative Rate Week 50	First Week Reported[2]	Last Week Reported
Adair	1	1	1	1	3	3	0.0%	(66.7%)	4.00	0.69	31	31
Andrew	2	2	2	2	3	3	0.0%	(20.0%)	12.13	2.10	7	19
Audrain	3	3	3	2	2	3	0.0%	50.0%	11.60	2.01	22	39
Barry	2	2	2	2	2	3	0.0%	0.0%	5.88	1.02	33	47
Bates	1	1	1	No Data	0	No Data	0.0%	0.0%	6.00	1.04	25	25
Benton	1	1	1	1	1	1	0.0%	0.0%	5.82	1.01	27	27
Bollinger	2	2	2	2	3	4	0.0%	(20.0%)	16.63	2.88	5	15
Boone	20	20	20	11	13	19	0.0%	53.8%	14.77	2.56	3	41
Buchanan	5	5	5	3	4	6	0.0%	25.0%	5.81	1.01	14	38
Butler	1	1	1	1	1	3	0.0%	0.0%	2.45	0.42	1	1
Callaway	1	1	1	1	2	3	0.0%	(50.0%)	2.45	0.42	38	38
Camden	4	4	4	2	4	4	0.0%	0.0%	10.80	1.87	23	34
Cape Girardeau	3	3	3	1	2	2	0.0%	100.0%	4.37	0.76	16	48
Cass	2	2	2	4	4	5	0.0%	(50.0%)	2.44	0.42	11	19
Cedar	1	1	1	1	2	3	0.0%	(50.0%)	7.28	1.26	48	48
Christian	8	8	8	3	4	5	0.0%	100.0%	14.74	2.55	4	43
Clay	4	4	4	2	6	7	0.0%	(33.3%)	4.00	0.69	4	31
Clinton	1	1	1	1	2	3	0.0%	(50.0%)	5.27	0.91	24	24
Cole	5	5	5	1	3	8	0.0%	66.7%	7.00	1.21	10	40
Cooper	1	1	1	1	1	2	0.0%	0.0%	6.00	1.04	5	5
Crawford	1	1	1	1	2	3	0.0%	(50.0%)	4.39	0.76	32	32
Dade	2	2	2	1	1	1	0.0%	100.0%	25.24	4.37	37	38
Douglas	1	1	1	1	1	4	0.0%	0.0%	7.64	1.32	19	19
Dunklin	2	2	2	1	1	1	0.0%	100.0%	6.03	1.04	29	42
Franklin	9	9	9	2	5	8	0.0%	80.0%	9.59	1.66	10	42
Gentry	1	1	1	No Data	0	No Data	0.0%	0.0%	14.58	2.52	28	28
Greene	14	14	14	10	11	22	0.0%	27.3%	5.82	1.01	3	43
Grundy	1	1	1	2	3	5	0.0%	(66.7%)	9.59	1.66	20	20
Harrison	2	2	2	1	1	1	0.0%	100.0%	22.60	3.91	7	22
Henry	1	1	1	2	2	2	0.0%	(50.0%)	4.55	0.79	20	20
Howard	1	1	1	1	1	2	0.0%	0.0%	9.79	1.70	30	30
Howell	6	6	6	2	3	3	0.0%	100.0%	16.11	2.79	10	44
Iron	1	1	1	1	1	1	0.0%	0.0%	9.35	1.62	35	35
Jackson	6	5	5	6	7	9	20.0%	(14.3%)	2.74	0.48	19	50
Jasper	3	3	3	4	4	4	0.0%	(25.0%)	4.67	0.81	25	41

[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 2016*

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Quartile Analysis of Year-to-date Counts for Week 50, 2016

Giardiasis

County	Week 50 YTD[1]	Week 49 YTD[1]	Week 48 YTD[1]	Five Year 1st Quartile	Five Year Median	Five Year 3rd Quartile	Change from Week 49 to Week 50	Change from Week 50 to 5-Year Median	Rate per 100,000 Week 50	Relative Rate Week 50	First Week Reported[2]	Last Week Reported
Jefferson	6	6	6	5	7	8	0.0%	(14.3%)	3.03	0.52	1	34
Johnson	2	2	2	1	1	2	0.0%	100.0%	4.14	0.72	12	43
Laclede	5	5	5	2	2	3	0.0%	150.0%	15.38	2.66	7	21
Lafayette	3	3	3	1	2	5	0.0%	50.0%	9.10	1.58	8	40
Livingston	1	1	1	1	2	2	0.0%	(33.3%)	6.87	1.19	21	21
Mcdonald	2	2	2	3	3	3	0.0%	(33.3%)	9.22	1.60	15	22
Macon	3	3	3	1	2	2	0.0%	100.0%	19.03	3.30	7	21
Maries	1	1	1	1	1	1	0.0%	0.0%	11.23	1.95	11	11
Marion	2	2	2	2	3	3	0.0%	(20.0%)	7.07	1.22	38	46
Miller	4	4	4	1	1	2	0.0%	300.0%	16.98	2.94	8	40
Mississippi	1	1	1	No Data	0	No Data	0.0%	0.0%	7.45	1.29	39	39
Moniteau	1	1	1	1	1	2	0.0%	0.0%	6.74	1.17	20	20
Morgan	2	2	2	1	1	2	0.0%	100.0%	10.36	1.79	17	32
Newton	1	1	1	2	2	3	0.0%	(50.0%)	2.10	0.36	38	38
Pemiscot	1	1	1	1	2	2	0.0%	(33.3%)	4.99	0.86	44	44
Perry	1	1	1	1	1	3	0.0%	0.0%	5.52	0.96	22	22
Pulaski	5	5	5	2	2	4	0.0%	150.0%	12.15	2.10	4	40
Randolph	2	2	2	1	2	3	0.0%	0.0%	8.11	1.40	27	30
Ray	1	1	1	1	2	2	0.0%	(33.3%)	4.28	0.74	34	34
Ripley	1	1	1	1	1	1	0.0%	0.0%	7.40	1.28	11	11
St Charles	11	11	11	12	12	12	0.0%	(8.3%)	3.87	0.67	8	43
Ste Genevieve	1	1	1	1	2	3	0.0%	(50.0%)	5.60	0.97	31	31
St Francois	1	1	1	3	3	5	0.0%	(66.7%)	1.80	0.31	27	27
St Louis	49	46	44	35	40	43	6.5%	22.5%	4.82	0.84	2	50
Scott	2	2	2	1	2	2	0.0%	0.0%	4.95	0.86	16	17
Stoddard	3	3	3	2	2	3	0.0%	50.0%	10.10	1.75	35	48
Stone	3	3	3	1	2	3	0.0%	50.0%	10.47	1.81	16	34
Taney	2	2	2	1	1	2	0.0%	100.0%	5.04	0.87	33	42
Texas	5	5	5	1	1	2	0.0%	400.0%	21.74	3.77	5	33
Vernon	3	3	3	1	3	6	0.0%	0.0%	14.67	2.54	9	32
Wayne	1	1	1	1	1	1	0.0%	0.0%	7.54	1.31	34	34
Webster	2	2	2	1	4	4	0.0%	(50.0%)	6.44	1.12	31	36
St Louis City	34	34	34	14	17	22	0.0%	100.0%	9.76	1.69	1	48
Independence	6	6	6	1	2	3	0.0%	200.0%	5.30	0.92	4	34
Kansas City	36	36	36	15	19	24	0.0%	89.5%	8.15	1.41	3	47

[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 2016*

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Quartile Analysis of Year-to-date Counts for Week 50, 2016

Giardiasis

County	Week 50 YTD[1]	Week 49 YTD[1]	Week 48 YTD[1]	Five Year 1st Quartile	Five Year Median	Five Year 3rd Quartile	Change from Week 49 to Week 50	Change from Week 50 to 5-Year Median	Rate per 100,000 Week 50	Relative Rate Week 50	First Week Reported[2]	Last Week Reported
Troop A Total	63	62	62	35	50	63	1.6%	26.0%	5.13	0.89	3	50
Troop B Total	8	8	8	6	7	9	0.0%	14.3%	4.31	0.75	7	46
Troop C Total	112	109	107	76	92	114	2.8%	21.7%	2.62	0.45	1	50
Troop D Total	43	43	43	37	49	56	0.0%	(12.2%)	5.67	0.98	3	48
Troop E Total	18	18	18	12	12	14	0.0%	50.0%	5.50	0.95	1	48
Troop F Total	42	42	42	26	29	34	0.0%	44.8%	9.64	1.67	3	41
Troop G Total	12	12	12	6	6	8	0.0%	100.0%	9.08	1.57	5	44
Troop H Total	13	13	13	9	13	13	0.0%	0.0%	5.64	0.98	7	38
Troop I Total	12	12	12	6	9	9	0.0%	33.3%	7.49	1.30	4	40
State Total	323	319	317	240	245	312	1.3%	31.8%	5.77	1.00	1	50

[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 2016*

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report for Week 50, 2016
Disease or Condition Analysis
Compared to Last Report run on 12/13/2016 for Week 49, 2016

Giardiasis

County	Data Status [1,2]	1st Week Reported Current Report	1st Week Reported Last Report	Change in Count	Week 50 Quartile Results [3]	Week 49 Quartile Results [4]	Data Trend Analysis [5]	Data Elevation Analysis [6]
Adair	Old	31	31	0	Below Median	Below Median	Flat	Below Normal
Andrew	Old	7	7	0	Below Median	Below Median	Flat	Below Normal
Audrain	Old	22	22	0	Above Median	Above Median	Flat	Above Normal
Barry	Old	33	33	0	Below Median	Below Median	Flat	Below Normal
Bates	Old	25	25	0	Above Median	Above Median	Flat	Above Normal
Benton	Old	27	27	0	Below Median	Below Median	Flat	Below Normal
Bollinger	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Boone	Old	3	3	0	Above 3rd Quartile	Above 3rd Quartile	Flat	Elevated
Buchanan	Old	14	14	0	Above Median	Above Median	Flat	Above Normal
Butler	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Callaway	Old	38	38	0	Below Median	Below Median	Flat	Below Normal
Camden	Old	23	23	0	Below Median	Below Median	Flat	Below Normal
Cape Girardeau	Old	16	16	0	Above Maximum	Above Maximum	Flat	Very Elevated
Cass	Old	11	11	0	Below Median	Below Median	Flat	Below Normal
Cedar	Old	48	No Data	1	Below Median	Below Median	Increase	Below Normal
Christian	Old	4	4	0	Above Maximum	Above Maximum	Flat	Very Elevated
Clay	Old	4	4	0	Below Median	Below Median	Flat	Below Normal
Clinton	Old	24	24	0	Below Median	Below Median	Flat	Below Normal
Cole	Old	10	10	0	Above Median	Above Median	Flat	Above Normal
Cooper	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Crawford	Old	32	32	0	Below Median	Below Median	Flat	Below Normal
Dade	Old	37	37	1	Above Maximum	Below Median	Increase	Very Elevated
Douglas	Old	19	19	0	Below Median	Below Median	Flat	Below Normal
Dunklin	Old	29	29	1	Above Maximum	Below Median	Increase	Very Elevated
Franklin	Old	10	10	0	Above 3rd Quartile	Above 3rd Quartile	Flat	Elevated
Gentry	Old	28	28	0	Above Median	Above Median	Flat	Above Normal
Greene	Old	3	3	0	Above Median	Above Median	Flat	Above Normal
Grundy	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Harrison	Old	7	7	0	Above Maximum	Above Maximum	Flat	Very Elevated

[1] *Data Status: Old=Continuing Occurence in 2016, New=First Occurence in 2016 and Out=Case was Removed from WEBSURV*

[2] *First Week Reported and/or First Occurence of Disease or Condition in 2016*

[3] *Week 50 Quartile Results are from the Current Report*

[4] *Week 49 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 for Week 50, 2016
Disease or Condition Analysis
Compared to Last Report run on 12/13/2016 for Week 49, 2016

Giardiasis

County	Data Status [1,2]	1st Week Reported Current Report	1st Week Reported Last Report	Change in Count	Week 50 Quartile Results [3]	Week 49 Quartile Results [4]	Data Trend Analysis [5]	Data Elevation Analysis [6]
Henry	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Howard	Old	30	30	0	Below Median	Below Median	Flat	Below Normal
Howell	Old	10	10	1	Above Maximum	Above Maximum	Increase	Very Elevated
Iron	Old	35	35	0	Below Median	Below Median	Flat	Below Normal
Jackson	Old	19	19	1	Below Median	Below Median	Increase	Below Normal
Jasper	Old	25	25	0	Below Median	Below Median	Flat	Below Normal
Jefferson	Old	1	1	0	Below Median	Above Median	Flat	Below Normal
Johnson	Old	12	12	0	Above Median	Above Median	Flat	Above Normal
Laclede	Old	7	7	0	Above Maximum	Above Maximum	Flat	Very Elevated
Lafayette	Old	8	8	0	Above Median	Above Median	Flat	Above Normal
Livingston	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
Mcdonald	Old	15	15	0	Below Median	Below Median	Flat	Below Normal
Macon	Old	7	7	0	Above Maximum	Above Maximum	Flat	Very Elevated
Maries	Old	11	11	0	Below Median	Below Median	Flat	Below Normal
Marion	Old	38	38	0	Below Median	Below Median	Flat	Below Normal
Miller	Old	8	8	0	Above Maximum	Above Maximum	Flat	Very Elevated
Mississippi	Old	39	No Data	1	Above Median	Below Median	Increase	Above Normal
Moniteau	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Morgan	Old	17	17	0	Above Median	Above Median	Flat	Above Normal
Newton	Old	38	38	0	Below Median	Below Median	Flat	Below Normal
Pemiscot	Old	44	No Data	1	Below Median	Below Median	Increase	Below Normal
Perry	Old	22	22	0	Below Median	Below Median	Flat	Below Normal
Pulaski	Old	4	4	0	Above 3rd Quartile	Above 3rd Quartile	Flat	Elevated
Randolph	Old	27	27	0	Below Median	Below Median	Flat	Below Normal
Ray	Old	34	34	0	Below Median	Below Median	Flat	Below Normal
Ripley	Old	11	11	0	Below Median	Below Median	Flat	Below Normal
St Charles	Old	8	8	0	Below Median	Below Median	Flat	Below Normal
Ste Genevieve	Old	31	31	0	Below Median	Below Median	Flat	Below Normal
St Francois	Old	27	27	0	Below Median	Below Median	Flat	Below Normal

[1] *Data Status: Old=Continuing Occurence in 2016, New=First Occurence in 2016 and Out=Case was Removed from WEBSURV*

[2] *First Week Reported and/or First Occurence of Disease or Condition in 2016*

[3] *Week 50 Quartile Results are from the Current Report*

[4] *Week 49 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.*

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Weekly Communicable Disease Report for Week 50, 2016
Disease or Condition Analysis
Compared to Last Report run on 12/13/2016 for Week 49, 2016

Giardiasis

County	Data Status [1,2]	1st Week Reported Current Report	1st Week Reported Last Report	Change in Count	Week 50 Quartile Results [3]	Week 49 Quartile Results [4]	Data Trend Analysis [5]	Data Elevation Analysis [6]
St Louis	Old	2	2	3	Above 3rd Quartile	Above 3rd Quartile	Increase	Elevated
Scott	Old	16	16	0	Below Median	Below Median	Flat	Below Normal
Stoddard	Old	35	35	0	Above Median	Above Median	Flat	Above Normal
Stone	Old	16	16	0	Above Median	Above 3rd Quartile	Flat	Above Normal
Taney	Old	33	33	0	Above Median	Above Median	Flat	Above Normal
Texas	Old	5	5	0	Above Maximum	Above Maximum	Flat	Very Elevated
Vernon	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Wayne	Old	34	34	0	Below Median	Below Median	Flat	Below Normal
Webster	Old	31	31	0	Below Median	Below Median	Flat	Below Normal
St Louis City	Old	1	1	0	Above 3rd Quartile	Above 3rd Quartile	Flat	Elevated
Independence	Old	4	4	0	Above 3rd Quartile	Above 3rd Quartile	Flat	Elevated
Kansas City	Old	3	3	0	Above Maximum	Above Maximum	Flat	Very Elevated
Troop A Total	Old	3	3	1	Above Median	Above Median	Increase	Above Normal
Troop B Total	Old	7	7	0	Above Median	Above Median	Flat	Above Normal
Troop C Total	Old	1	1	3	Above Median	Above Median	Increase	Above Normal
Troop D Total	Old	3	3	2	Below Median	Below Median	Increase	Below Normal
Troop E Total	Old	1	1	3	Above Maximum	Above Maximum	Increase	Very Elevated
Troop F Total	Old	3	3	0	Above 3rd Quartile	Above 3rd Quartile	Flat	Elevated
Troop G Total	Old	5	5	1	Above Maximum	Above 3rd Quartile	Increase	Very Elevated
Troop H Total	Old	7	7	0	Below Median	Below Median	Flat	Below Normal
Troop I Total	Old	4	4	0	Above Maximum	Above Maximum	Flat	Very Elevated
State Total	Old	1	1	10	Above 3rd Quartile	Above 3rd Quartile	Increase	Elevated

[1] Data Status: Old=Continuing Occurence in 2016, New=First Occurence in 2016 and Out=Case was Removed from WEBSURV

[2] First Week Reported and/or First Occurence of Disease or Condition in 2016

[3] Week 50 Quartile Results are from the Current Report

[4] Week 49 Quartile Results are from the Last Report

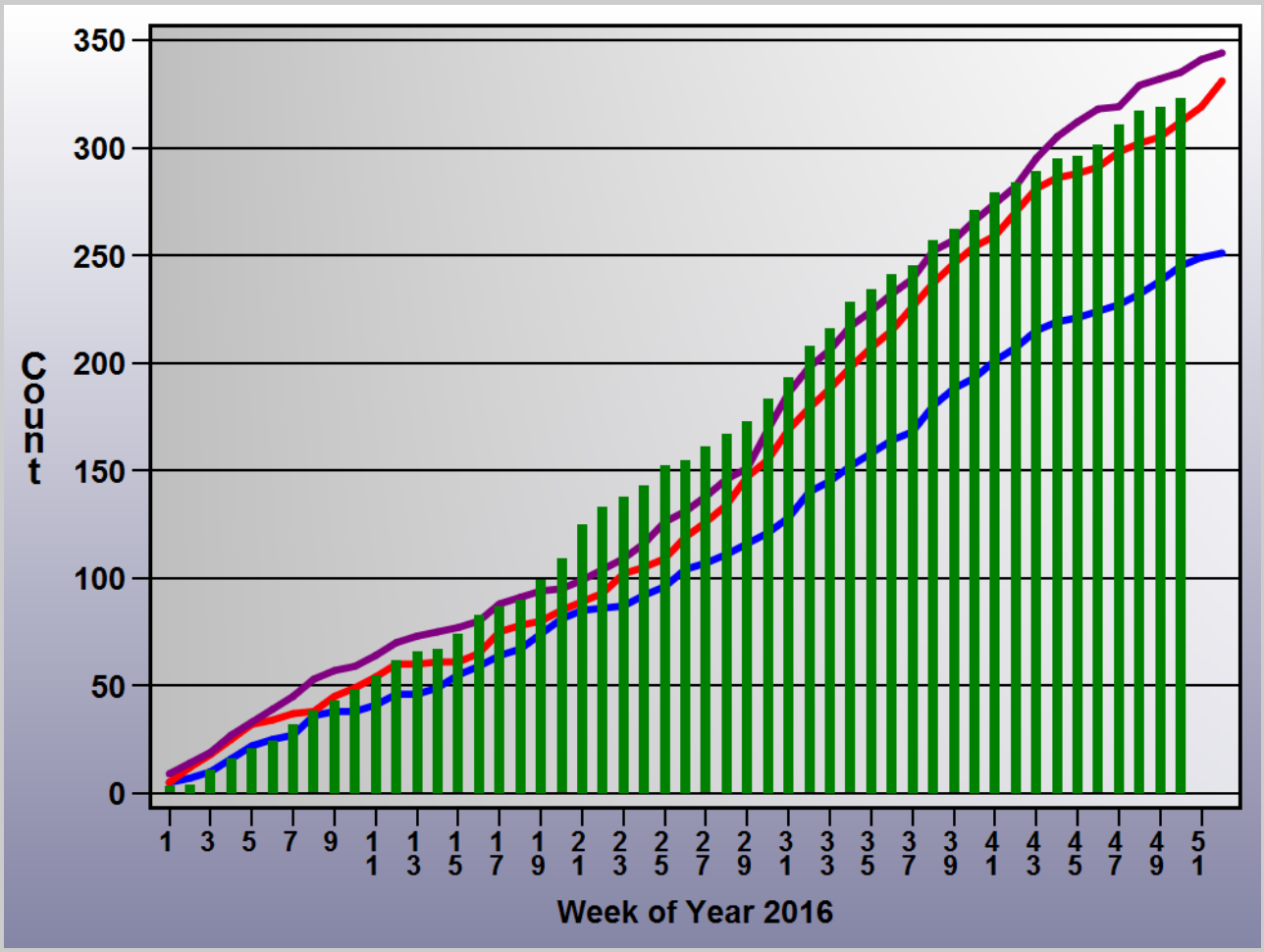
[5] Based on Change in Count Current Report vs Last Report

[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 50, 2016

Giardiasis

YTD Count in 2016 *YTD Median (2011 to 2015)*
YTD Third Quartile (2011 to 2015) *YTD Maximum (2011 to 2015)*



Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Reports
Comparison of 4-week Count Mean for Week 50, 2016 with Historical Limits

Giardiasis

County	Analysis Results [1]	4-week Count Mean for Week 50 [2]	Upper Limit for Week 50 [3]	4-week Count Mean for Week 49 [2]	Upper Limit for Week 49 [3]	4-week Count Mean for Week 48 [2]	Upper Limit for Week 48 [3]
Boone		0.0	1.0	0.0	1.0	0.0	1.0
Clay		0.0	0.5	0.0	0.5	0.0	0.4
Greene		0.0	0.8	0.0	0.8	0.0	0.8
Jackson		0.3	0.9	0.0	0.9	0.0	0.9
St Charles		0.0	1.4	0.0	1.4	0.0	1.5
St Louis		2.0	1.9	1.8	1.9	1.3	2.0
St Louis City		2.0	2.8	2.3	3.1	2.3	3.3
Kansas City		0.3	1.6	0.5	1.6	0.8	1.6
Troop A Total		0.5	3.2	0.5	3.3	0.8	3.4
Troop B Total		0.0	1.1	0.3	1.1	0.3	1.1
Troop C Total		4.0	5.7	4.0	6.0	3.5	6.3
Troop D Total		0.5	2.3	0.5	2.4	0.5	2.3
Troop E Total		0.5	0.6	0.5	0.6	0.5	0.7
Troop F Total		0.0	1.9	0.0	2.0	0.0	2.0
Troop H Total		0.0	1.0	0.0	1.0	0.0	1.1
Troop I Total		0.0	0.9	0.0	1.0	0.0	1.0
State Total		5.5	13.0	5.8	14.0	5.5	14.5

[1] *Analysis Results Legend for Week 50:*

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.

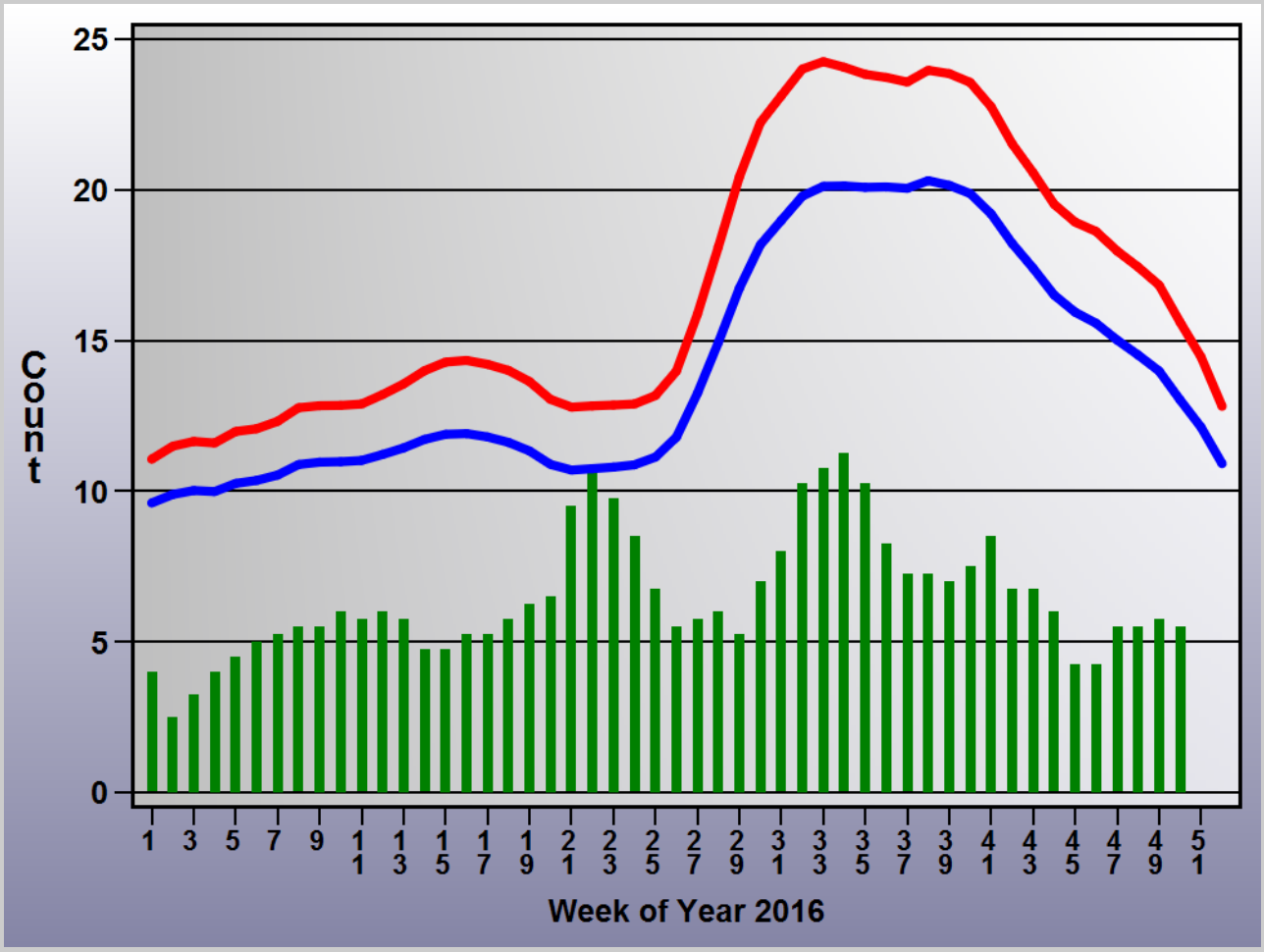
[2] *4-week Count mean based on the current and 3 previous weeks.*

[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 50, 2016

Giardiasis

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 50 , 2016

Giardiasis

County	Week 50 YTD	Week 50 Rate[1]	Week 50 Relative Rate[2]	Change in Count From Current Report[3]	Change in Count From Last Report[4]
Adair	1	4.0	0.7	0	0
Andrew	2	12.1	2.1	0	0
Audrain	3	11.6	2.0	0	0
Barry	2	5.9	1.0	0	0
Bates	1	6.0	1.0	0	0
Benton	1	5.8	1.0	0	0
Bollinger	2	16.6	2.9	0	0
Boone	20	14.8	2.6	0	0
Buchanan	5	5.8	1.0	0	0
Butler	1	2.4	0.4	0	0
Callaway	1	2.5	0.4	0	0
Camden	4	10.8	1.9	0	0
Cape Girardeau	3	4.4	0.8	0	0
Cass	2	2.4	0.4	0	0
Cedar	1	7.3	1.3	0	1
Christian	8	14.7	2.6	0	0
Clay	4	4.0	0.7	0	0
Clinton	1	5.3	0.9	0	0
Cole	5	7.0	1.2	0	0
Cooper	1	6.0	1.0	0	0
Crawford	1	4.4	0.8	0	0
Dade	2	25.2	4.4	0	1
Douglas	1	7.6	1.3	0	0
Dunklin	2	6.0	1.0	0	1
Franklin	9	9.6	1.7	0	0
Gentry	1	14.6	2.5	0	0
Greene	14	5.8	1.0	0	0
Grundy	1	9.6	1.7	0	0
Harrison	2	22.6	3.9	0	0
Henry	1	4.5	0.8	0	0
Howard	1	9.8	1.7	0	0
Howell	6	16.1	2.8	0	1
Iron	1	9.3	1.6	0	0
Jackson	6	2.7	0.5	1	1
Jasper	3	4.7	0.8	0	0

[1] *Rates are Year-to-Date Counts per 100,000 population for Week 50, 2016*

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

[3] *Current Report was run on 12/20/2016 for Week 50, 2016*

[4] *Last Report was run on 12/13/2016 for Week 49, 2016*

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Year-to-Date Counts and Rates for Week 50 , 2016

Giardiasis

County	Week 50 YTD	Week 50 Rate[1]	Week 50 Relative Rate[2]	Change in Count From Current Report[3]	Change in Count From Last Report[4]
Jefferson	6	3.0	0.5	0	0
Johnson	2	4.1	0.7	0	0
Laclede	5	15.4	2.7	0	0
Lafayette	3	9.1	1.6	0	0
Livingston	1	6.9	1.2	0	0
Mcdonald	2	9.2	1.6	0	0
Macon	3	19.0	3.3	0	0
Maries	1	11.2	1.9	0	0
Marion	2	7.1	1.2	0	0
Miller	4	17.0	2.9	0	0
Mississippi	1	7.4	1.3	0	1
Moniteau	1	6.7	1.2	0	0
Morgan	2	10.4	1.8	0	0
Newton	1	2.1	0.4	0	0
Pemiscot	1	5.0	0.9	0	1
Perry	1	5.5	1.0	0	0
Pulaski	5	12.1	2.1	0	0
Randolph	2	8.1	1.4	0	0
Ray	1	4.3	0.7	0	0
Ripley	1	7.4	1.3	0	0
St Charles	11	3.9	0.7	0	0
Ste Genevieve	1	5.6	1.0	0	0
St Francois	1	1.8	0.3	0	0
St Louis	49	4.8	0.8	3	3
Scott	2	4.9	0.9	0	0
Stoddard	3	10.1	1.7	0	0
Stone	3	10.5	1.8	0	0
Taney	2	5.0	0.9	0	0
Texas	5	21.7	3.8	0	0
Vernon	3	14.7	2.5	0	0
Wayne	1	7.5	1.3	0	0
Webster	2	6.4	1.1	0	0
St Louis City	34	9.8	1.7	0	0
Independence	6	5.3	0.9	0	0
Kansas City	36	8.2	1.4	0	0

[1] *Rates are Year-to-Date Counts per 100,000 population for Week 50, 2016*

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

[3] *Current Report was run on 12/20/2016 for Week 50, 2016*

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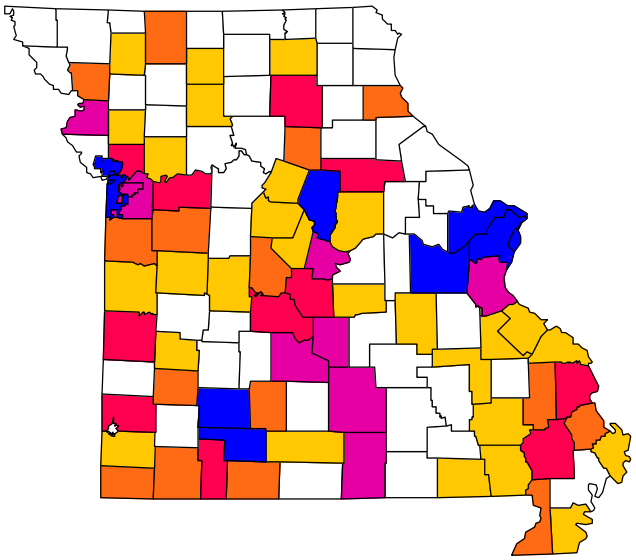
Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
YTD Count for Week 50, 2016
Giardiasis

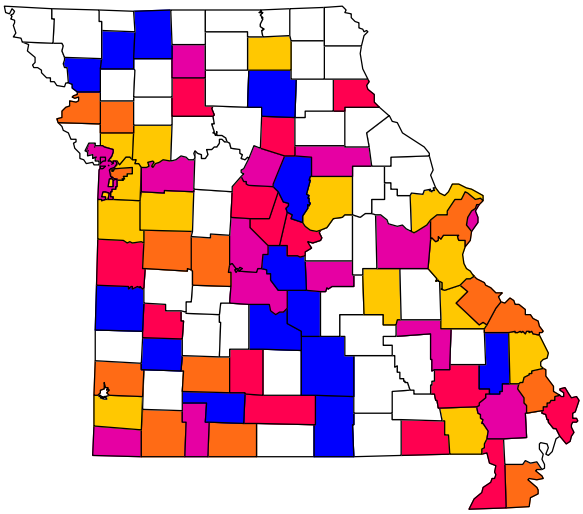
Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
YTD Count for Week 50, 2016
Giardiasis



Count			
	0 - 0	1 - 1	2 - 2
	3 - 4	5 - 6	8 - 49

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Rates for Week 50, 2016
Giardiasis

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Rates for Week 50, 2016
Giardiasis



Rate			
	0.0 - 0.0	1.8 - 4.4	4.5 - 5.9
	6.0 - 8.1	8.2 - 11.6	12.1 - 25.2

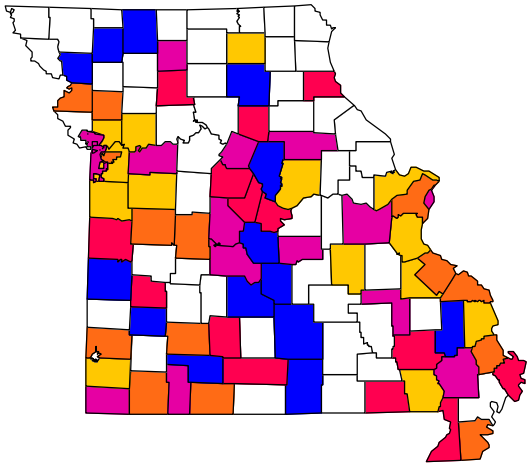
Rates are Year-to-Date Counts per 100,000 population for Week 50, 2016

Rates are Year-to-Date Counts per 100,000 population for Week 50, 2016

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Relative Rates for Week 50, 2016
Giardiasis

State Rate per 100,000 = 5.8

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Relative Rates for Week 50, 2016
Giardiasis
State Rate per 100,000 = 5.8



Relative Rates			
	0.0 - 0.0	0.3 - 0.8	0.8 - 1.0
	1.0 - 1.4	1.4 - 2.0	2.1 - 4.4

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

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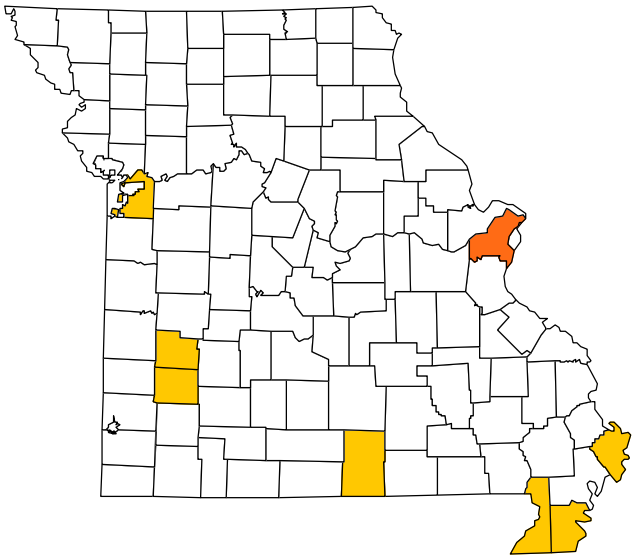
Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Change in Count Compared to Last Report
Giardiasis

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



Change in Count 0 1 3

Last Report was run on 12/13/2016 for Week 49, 2016

Last Report was run on 12/13/2016 for Week 49, 2016

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report
Change in Count for Week 50, 2016
Giardiasis

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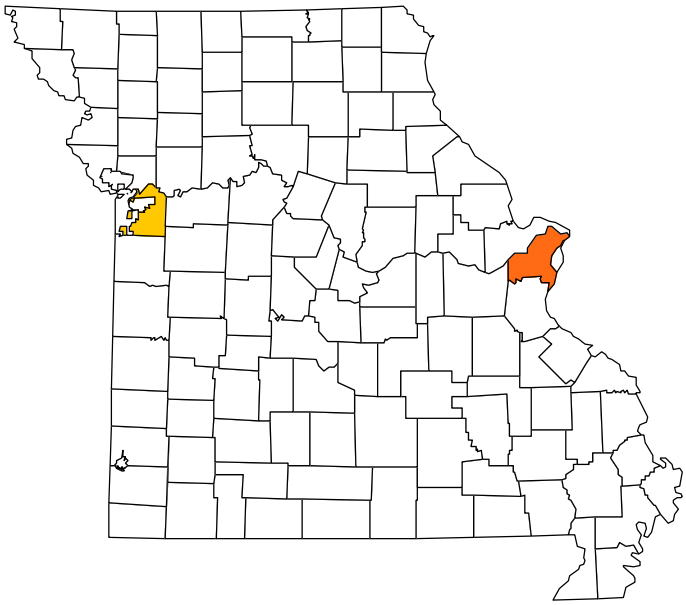
Weekly Communicable Disease Report
Change in Count for Week 50, 2016
Giardiasis



Change in Count 0 1 3

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Reports
Cross Tabulations of YTD Count for Week 50, 2016
State of Missouri
Giardiasis

Age and Gender		Asian	American Indian	Black	White	Unknown	All
< 2	Female		1		3	2	6
	Male			2	5	1	8
	All		1	2	8	3	14
2 to 14							
	Female	2	1	8	16	4	31
	Male	2		3	16	6	27
	All	4	1	11	32	10	58
15 to 24							
	Female	2		3	12	2	19
	Male	1		4	15	6	26
	All	3		7	27	8	45
25 to 34							
	Female			1	14	2	17
	Male		1	8	15	6	30
	Missing			1			1
	All		1	10	29	8	48
35 to 44							
	Female				5	1	6
	Male			5	18	10	33
	All			5	23	11	39
45 to 54							
	Female			1	14	3	18
	Male			3	16	5	24
	All			4	30	8	42
55 to 64							
	Female			1	11	5	17
	Male			1	14	8	23
	All			2	25	13	40
65 plus							
	Female				5	10	15
	Male			2	14	5	21
	All			2	19	15	36
Missing							
	Missing					1	1
	All					1	1
All		7	3	43	193	77	323

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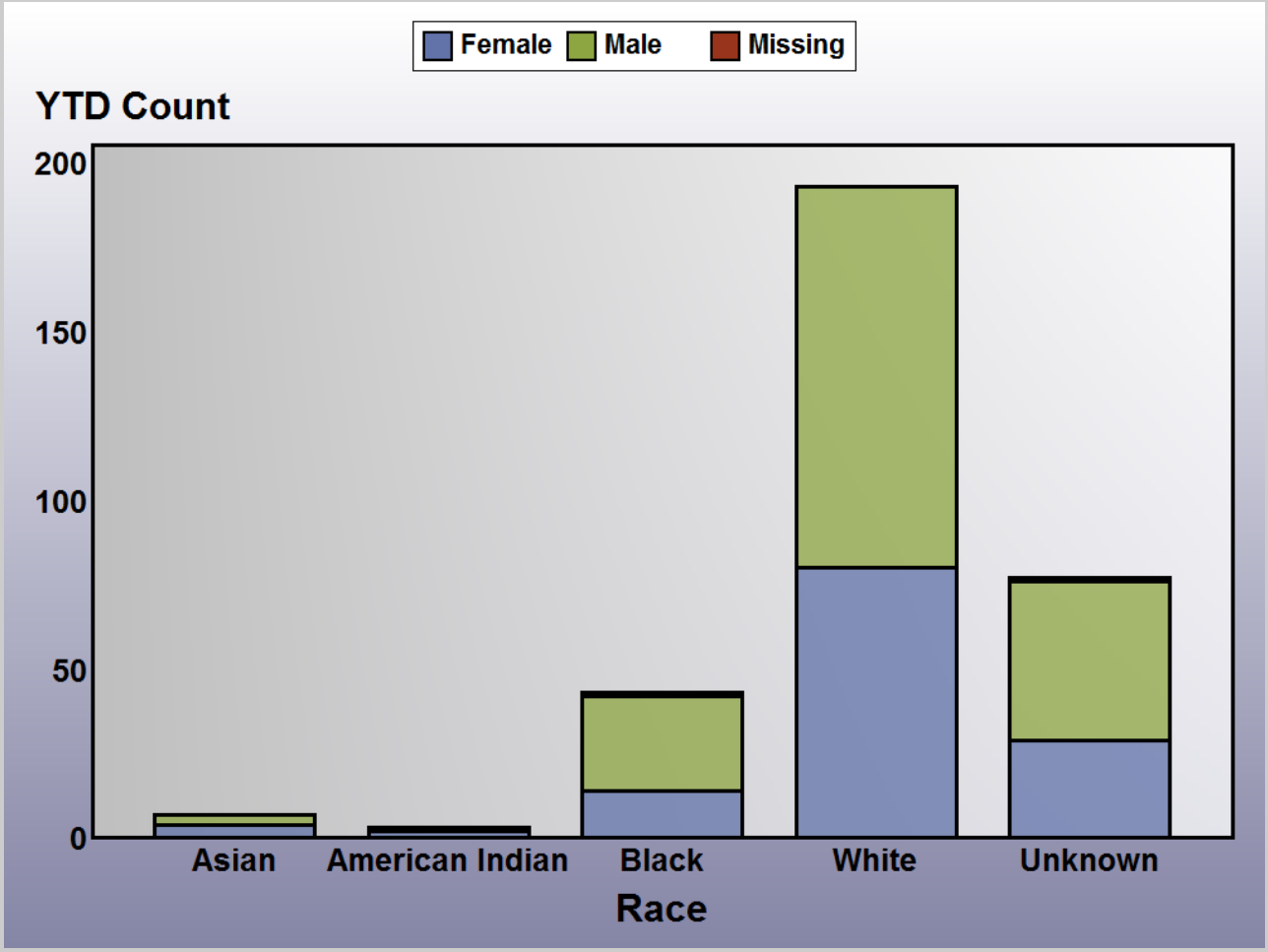
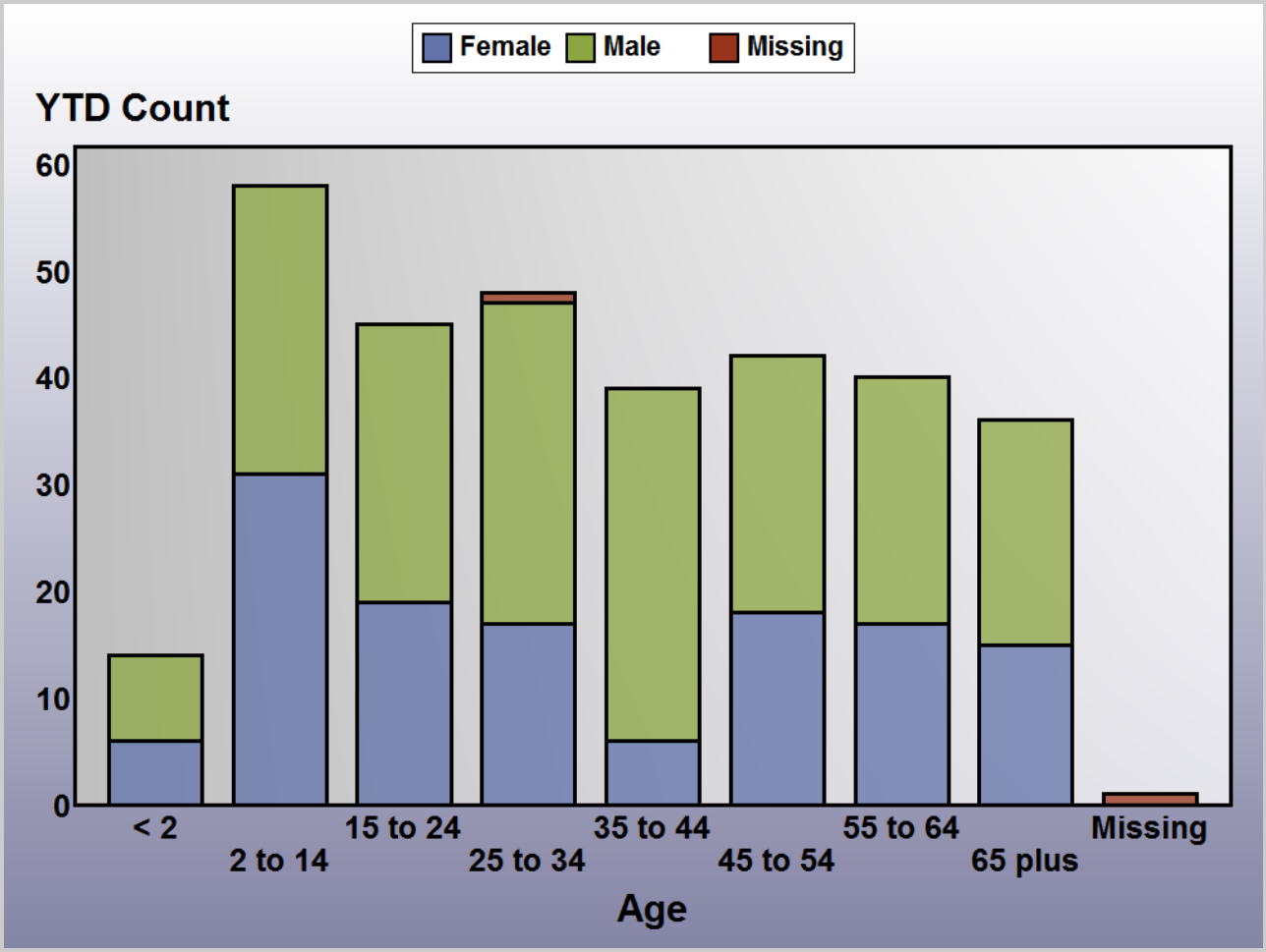
Weekly Communicable Disease Reports
Cross Tabulations of YTD Count for Week 50, 2016
State of Missouri
Giardiasis



Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Reports
Cross Tabulations of YTD Count for Week 50, 2016
State of Missouri
Giardiasis