

# Licking County Health Department



2011 Annual Infectious Disease Report

# Licking County Health Department Infectious Disease Report (2011)

## Narrative

The Licking County Health Department (LCHD) conducts monthly disease surveillance by utilizing various tools to generate reports. The Ohio Disease Reporting System (ODRS) is primarily used to extract disease numbers for analysis. This report contains complete case information from ODRS for 2011. The report compares Licking County rates to Central Region rates along with entire State of Ohio rates. Information was also collected from ODH concerning sensitive diseases for Licking County.

### New Data Extract

A new method has been applied to differentiate between case classification status and to account for any cases entered into the system late. The process has been applied for 2011 and will replace the old method included in this report starting in 2012. This report contains numbers extracted from the old method to maintain consistency but archived data from past years has already been adjusted. Case information should be more accurate now but should still be considered as an estimate.

### What's Included

- 2011 Fact Sheet
  - Top 5 Issues in Licking County
  - STD Rates
  - ODH Information
- Central Region Rates
  - County map comparing rates for specific diseases
- December Disease Report Breakdown
  - # of cases for the month compared to past years adjusted average
  - Bar Graph for Comparison
- Disease Graphs
  - 2011 year with case numbers for each month for specific diseases being monitored by LCHD
- MMWR
  - Complete Infectious Disease MMWR for 2011

### STDs

A comprehensive STD Surveillance Project is being conducted by the LCHD due to the identified increase of Chlamydia in the county. A complete 2011 annual report is currently being drafted and will be available soon.

# Licking County Health Department Infectious Disease Report: (2011)

## Fact Sheet

### Top 5 Issues in Licking County

*\*Incidence Rate = # of New Cases per 100,000*

Disease (2011)	Licking Rate	Ohio Rate
1.) Hepatitis C-Chronic	41.4	46.6
2.) Campylobacteriosis	31.8	10.2
3.) Meningitis-aseptic/viral	15.0	11.7
4.) Salmonellosis	13.8	10.3
5.) Mycobacterial disease	10.2	N/A

*\*Campy increase could be due to use of antigen test*

*\*Influenza and STDs not included*

### STDs in Licking County

*\*Incidence Rate = # of New Cases per 100,000*

STD (2011)	Licking Rate	Ohio Rate
Chlamydia	198.8	433.3
Gonorrhea	16.8	136.9

### ODH Information (Licking County)

*\*Incidence Rate = # of New Cases per 100,000*

Disease (2010)	Licking Rate	Ohio Rate
Syphilis (Primary and Secondary)	1.9	4.6
Tuberculosis (TB)	0.0	1.6

*\*Initial Diagnoses Rate = # of New Diagnoses per 100,000*

Disease (2009)	Licking Rate	Ohio Rate
HIV	4.8	9.3

*\*Prevalence Rate = # of Cases per 100,000*

Disease (2009)	Licking Rate	Ohio Rate
HIV (People living with HIV)	63.7	142.1



\*Updated on (1/13/2012)

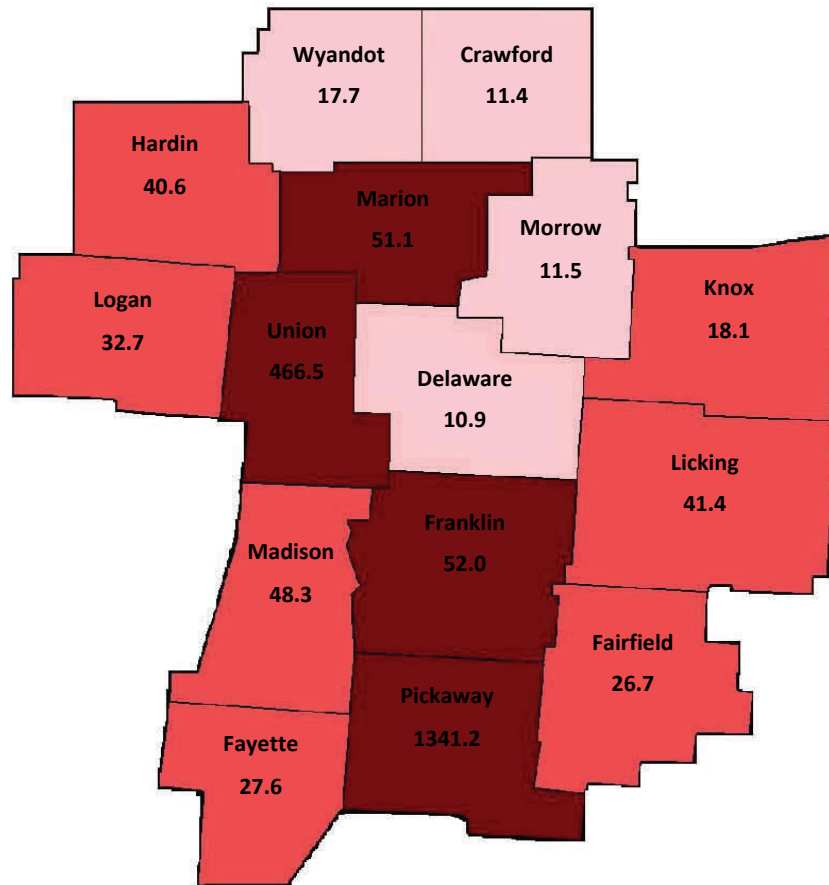
Licking County Health Department  
Healthy People in Healthy Communities



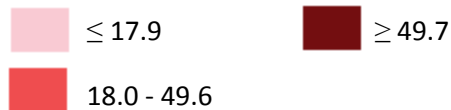
# Licking County Health Department Infectious Disease Report: (2011)

## Central Region Rates

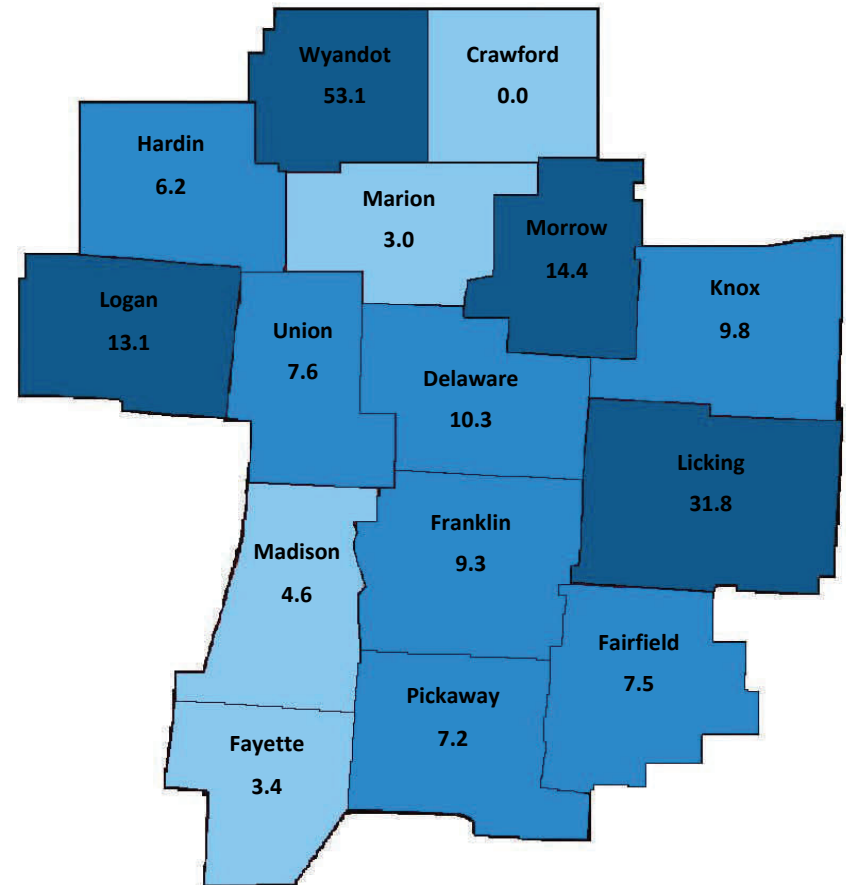
### Hepatitis C - Chronic



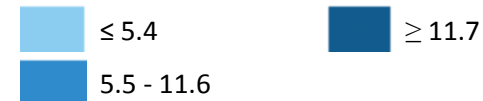
Incidence Rate per County



### Campylobacteriosis



Incidence Rate per County



\*Updated on (1/13/2012)

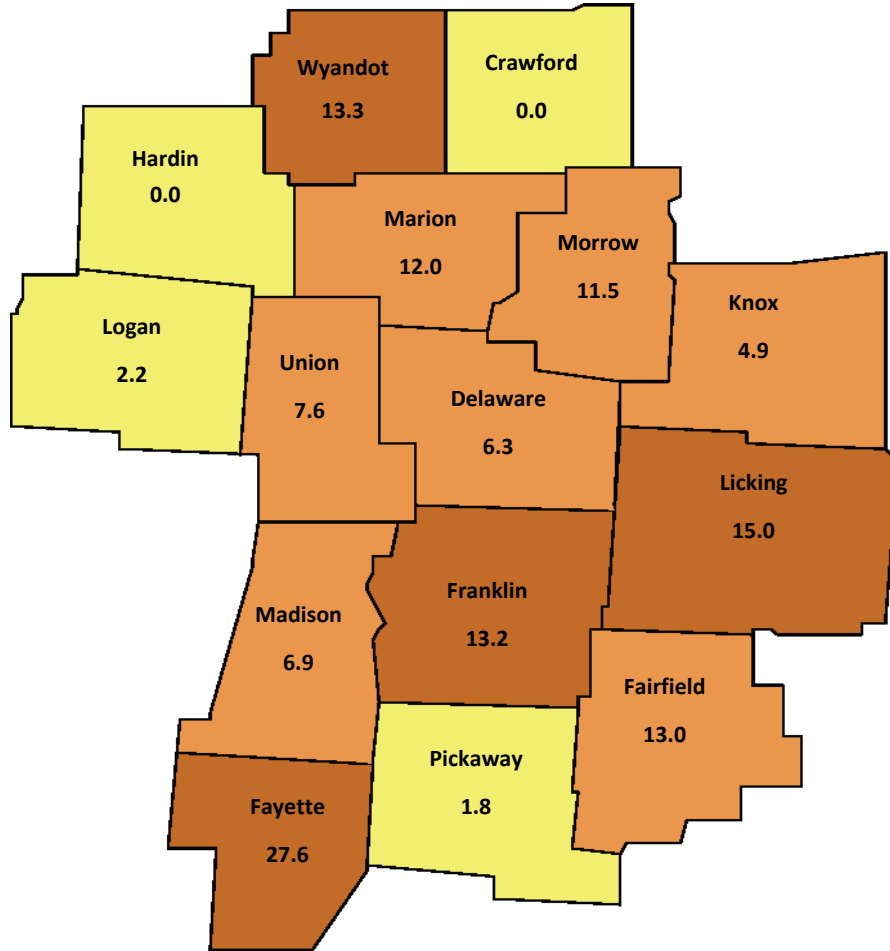
Licking County Health Department  
Healthy People in Healthy Communities



# Licking County Health Department Infectious Disease Report: (2011)

## Central Region Rates

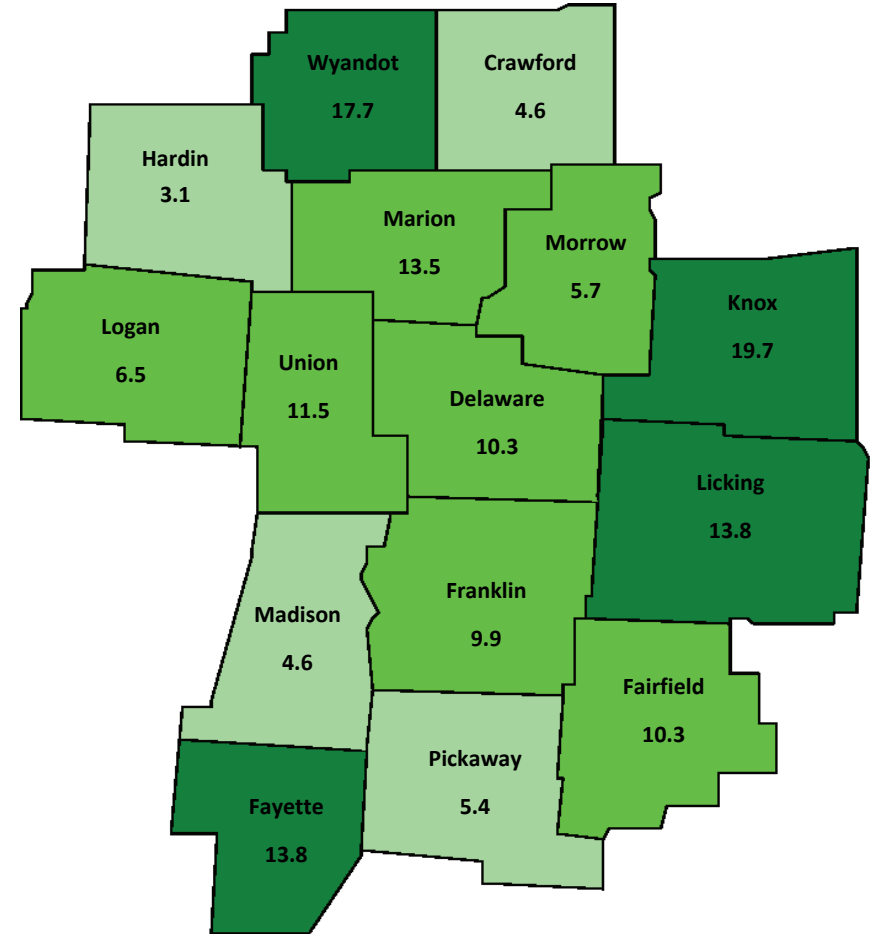
### Meningitis - aseptic/viral



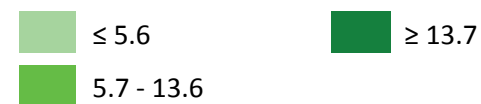
Incidence Rate per County



### Salmonellosis



Incidence Rate per County



\*Updated on (1/13/2012)

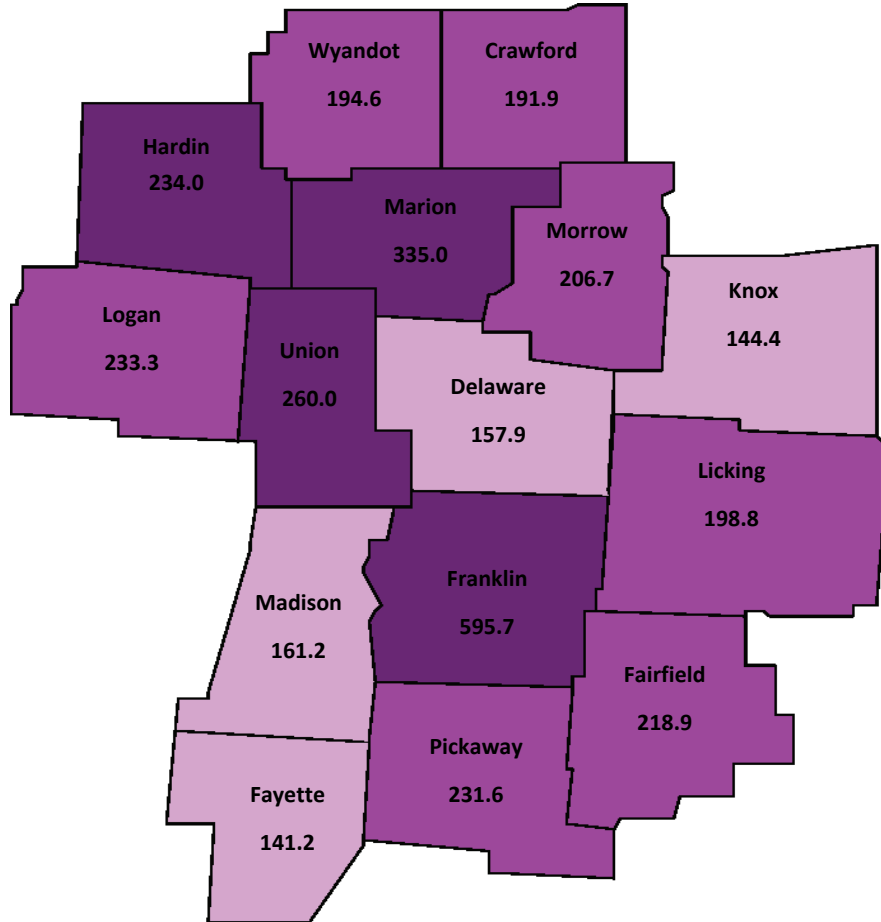
Licking County Health Department  
Healthy People in Healthy Communities



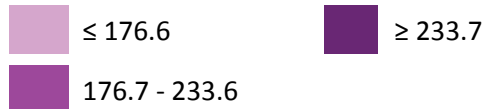
# Licking County Health Department Infectious Disease Report: (2011)

## Central Region Rates

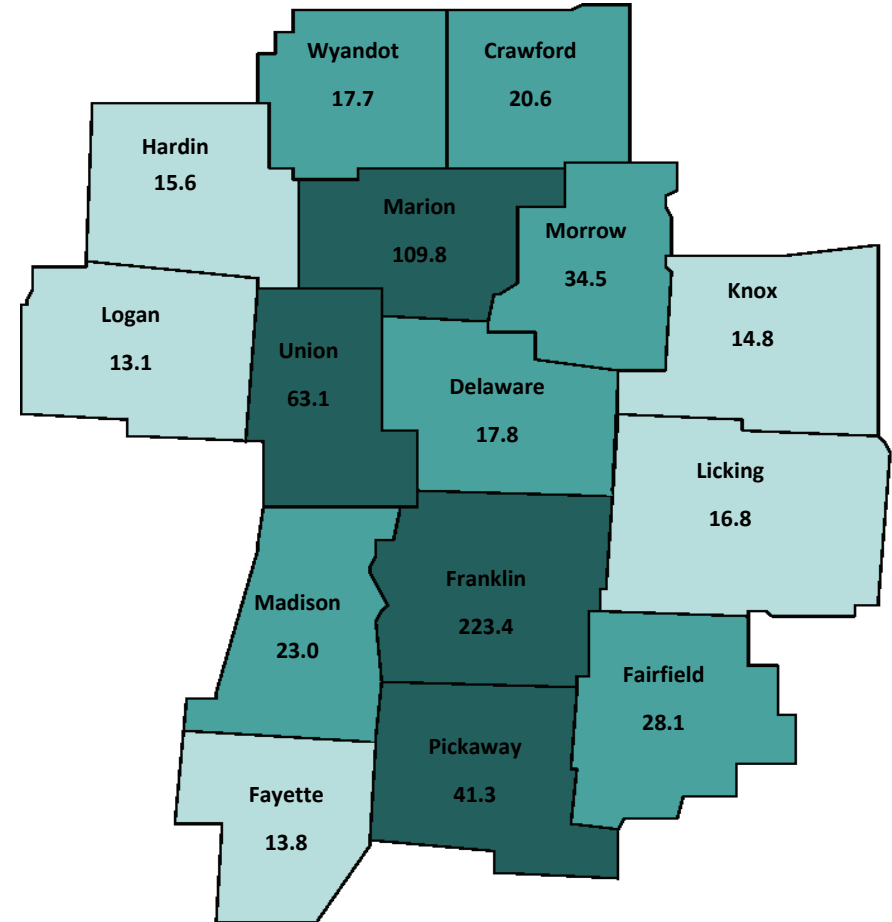
### Chlamydia



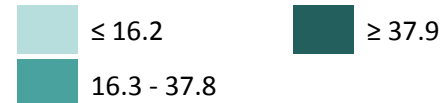
Incidence Rate per County



### Gonorrhea



Incidence Rate per County



\*Updated on (1/13/2012)

Licking County Health Department  
Healthy People in Healthy Communities

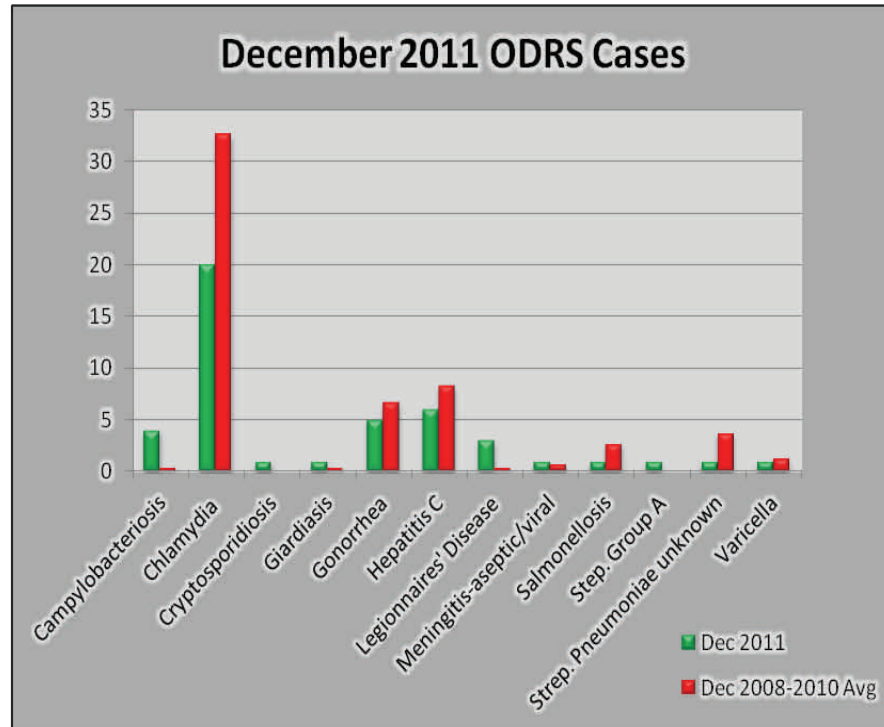


# Licking County Health Department

## Infectious Disease Report: (December 2011)

*This report contains information regarding suspected, probable, and confirmed cases of the diseases listed.*

Monthly Baseline ODRS	Dec 2011	Licking County 2008-2010
Reportable Condition	Cases	Average
Campylobacteriosis	4	0.33
Chlamydia infection	20	32.67
Cryptosporidiosis	1	0.00
Giardiasis	1	0.33
Gonococcal infection	5	6.67
Hepatitis C - chronic	6	8.33
Legionellosis - Legion-	3	0.33
Meningitis - aseptic/	1	0.67
Salmonellosis	1	2.67
Streptococcal - Group A	1	0.00
Streptococcus pneumo-	1	3.67
Varicella	1	1.33



\*Updated on (1/13/2012)

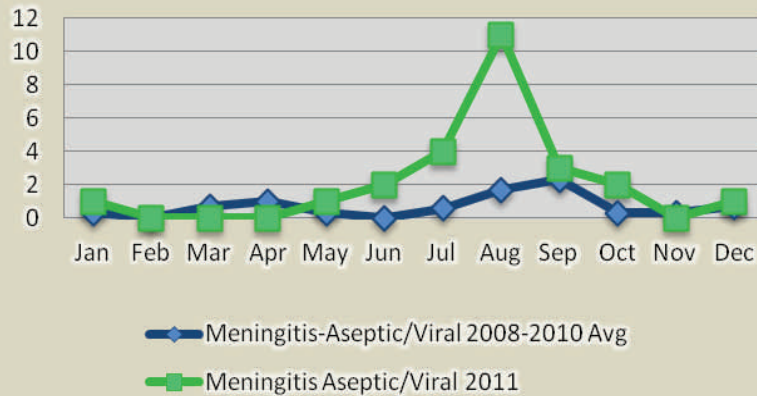
Licking County Health Department  
Healthy People in Healthy Communities



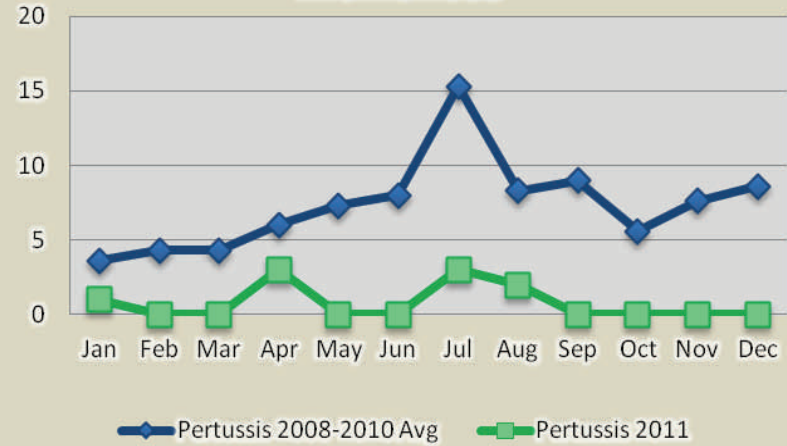
# Licking County Health Department Infectious Disease Report: (2011)

## Disease Graphs

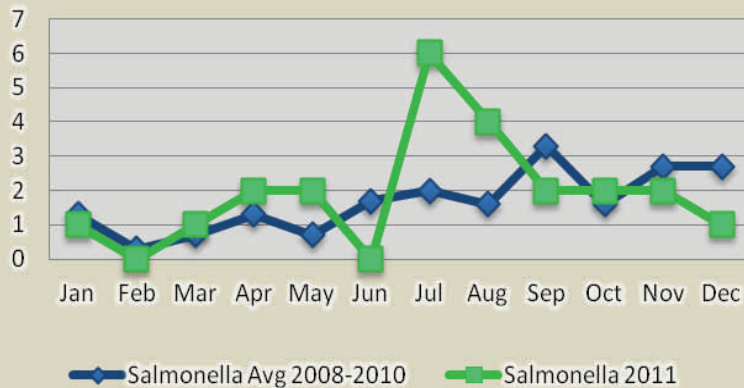
### Licking County Meningitis-Aseptic/Viral Incidences



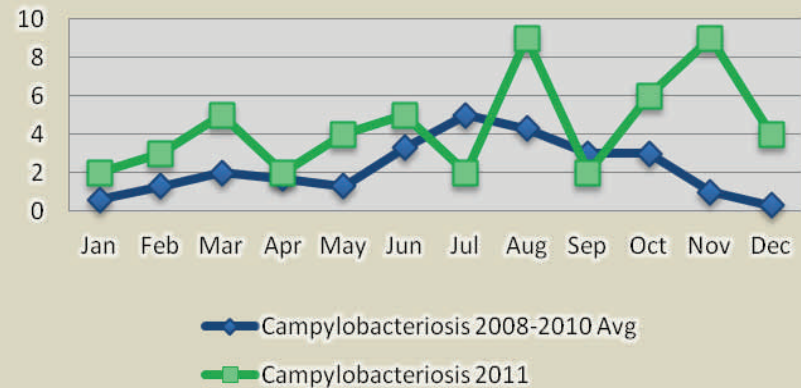
### Licking County Pertussis Incidences



### Licking County Salmonellosis Incidences



### Licking County Campylobacteriosis Incidences



\*Updated on (1/13/2012)

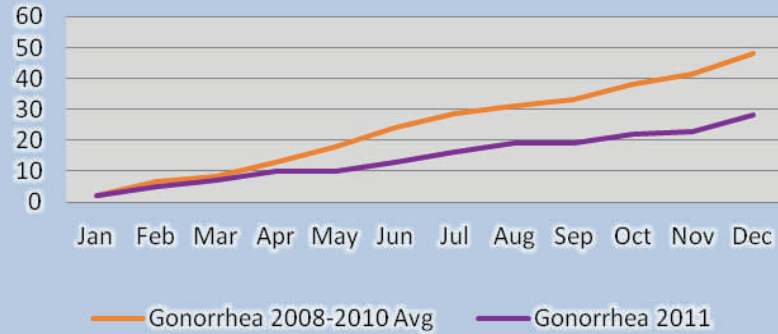
Licking County Health Department  
Healthy People in Healthy Communities



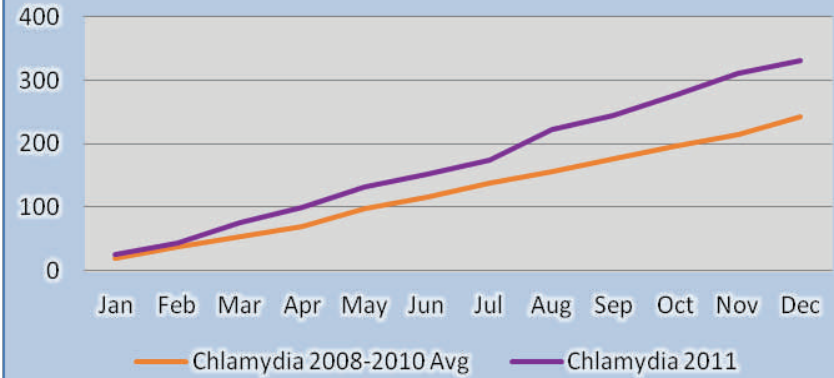
# Licking County Health Department Infectious Disease Report: (2011)

## Disease Graphs

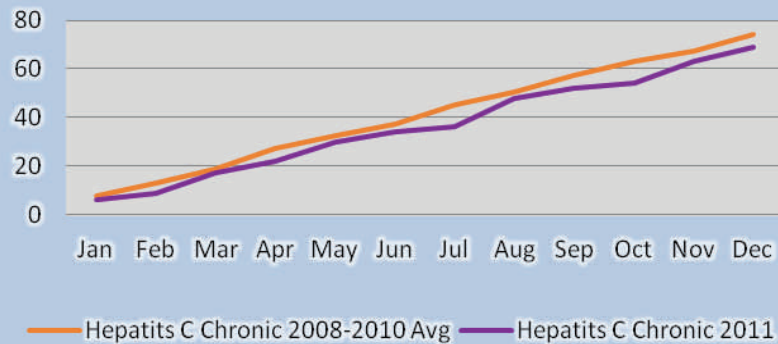
### Licking County Gonorrhea Trends



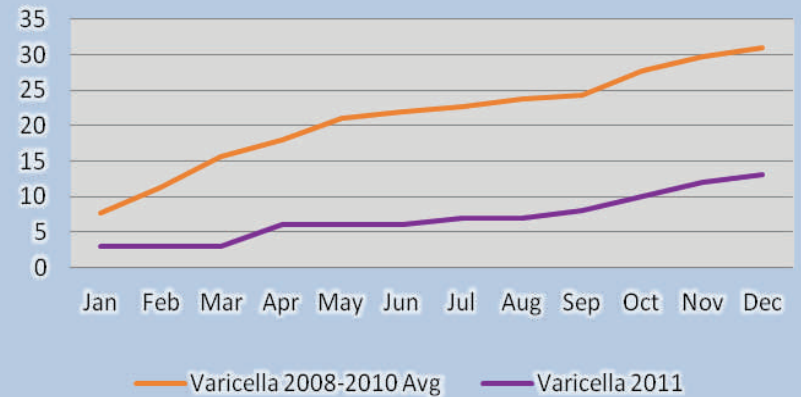
### Licking County Chlamydia Trends



### Licking County Hepatitis C Chronic Trends



### Licking County Varicella Trends



\*Updated on (1/13/2012)

Licking County Health Department  
Healthy People in Healthy Communities



# Licking County Health Department Infectious Disease Report: (2011)

MMWR 2011

Disease	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0
Botulism, infant	0	0	0	0	0	0	0	0	0	0	0	0	0
Brucellosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Campylobacteriosis	2	3	5	2	4	5	2	9	2	6	9	4	53
Chlamydia	26	18	31	24	33	20	31	40	21	32	35	20	331
Coccidioidomycosis	0	0	0	0	0	1	0	0	0	0	0	0	1
Creutzfeldt-Jakob Disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Cryptosporidiosis	0	0	0	1	0	0	0	0	1	0	0	1	3
Cytomegalovirus -congenital (CMV)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dengue	0	0	0	0	0	0	0	0	0	0	0	0	0
E. coli - enterohemorrhagic (shiga toxin producing) - Not O157:H7	0	0	0	0	1	0	0	1	1	0	1	0	4
E. coli - enterohemorrhagic (shiga toxin producing) O157:H7	0	0	0	0	0	0	0	0	0	0	0	0	0
E. coli - enterohemorrhagic (shiga toxin producing) Unknown serotype	0	0	0	1	0	0	0	0	0	0	0	0	1
Ehrlichiosis - Human Granulocytic (HGE)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehrlichiosis - Human Monocytic (HME)	0	0	0	0	0	0	0	0	0	0	0	0	0
Encephalitis - post other infection	0	0	0	0	0	0	0	0	0	0	0	0	0
Encephalitis - primary viral	0	0	0	0	0	0	0	0	0	0	0	0	0
Giardiasis	0	0	0	0	0	0	0	0	2	0	0	1	3
Gonorrhea	2	3	2	3	0	3	3	3	0	3	1	5	28
Haemophilus influenzae (invasive disease)	0	0	1	0	2	0	0	0	0	0	2	0	5
Hansen's Disease (Leprosy)	0	0	0	0	0	0	1	0	0	0	0	0	1
Hemolytic uremic syndrome (HUS)	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	0	0	1	0	0	0	0	0	1	0	1	0	3
Hepatitis B (including delta) - acute	2	0	0	0	0	0	0	0	0	1	0	0	3



\*Updated on (1/13/2012)

Licking County Health Department  
Healthy People in Healthy Communities



# Licking County Health Department Infectious Disease Report: (2011)

MMWR 2011

Disease	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Hepatitis B (including delta) - chronic	1	0	0	0	0	0	0	2	0	0	1	0	4
Hepatitis B (Perinatal)	0	0	0	0	0	0	0	1	1	0	0	0	2
Hepatitis C - acute	0	0	0	0	1	0	0	1	0	0	0	0	2
Hepatitis C - chronic	6	3	8	5	8	4	7	7	4	2	9	6	69
Hepatitis E	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza-Seasonal	273	449	85	30	1	1	1	1	7	2	7	13	857
Influenza-Pediatric Mortality	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza-Hospitalized	14	10	3	0	0	0	0	0	0	0	0	0	27
Influenza-Novel	0	0	0	0	0	0	0	0	0	0	0	0	0
Kawasaki disease (mucocutaneous lymph node syndrome)	0	0	0	0	0	0	0	0	0	0	0	0	0
LaCrosse virus disease (other California serogroup virus disease)	0	0	0	0	0	0	0	0	1	1	0	0	2
Legionellosis - Legionnaires' Disease	0	0	0	0	0	0	0	0	0	0	1	3	4
Leptospirosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Listeriosis	0	0	0	0	1	0	0	0	1	4	0	0	6
Lyme Disease	0	0	1	0	0	0	1	0	0	1	0	0	3
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis - aseptic/viral	1	0	0	0	1	2	4	11	3	2	0	1	25
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	1	0	0	0	0	0	0	1
Meningococcal disease - Neisseria meningitidis	0	0	1	0	0	0	0	0	0	0	1	0	2
Mumps	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycobacterial disease-other than tuberculosis	3	0	3	1	4	2	1	0	0	3	0	0	17
Pertussis	1	0	0	3	0	0	3	2	0	0	0	0	9
Q fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabies - animal	0	0	0	0	0	0	1	0	3	4	1	0	9
Rocky Mountain spotted fever (RMSF)	0	0	0	0	0	0	0	0	0	0	0	0	0



\*Updated on (1/13/2012)

Licking County Health Department  
Healthy People in Healthy Communities



# Licking County Health Department Infectious Disease Report: (2011)

MMWR 2011

Disease	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Salmonellosis	1	0	1	2	2	0	6	4	2	2	2	1	23
Shigellosis	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Louis encephalitis virus disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptococcal - Group A -invasive	0	0	1	0	0	0	1	0	0	0	1	1	4
Streptococcal - Group B - in newborn	0	0	0	0	0	0	0	0	1	0	0	0	1
Streptococcal toxic shock syndrome (STSS)	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptococcus pneumoniae - invasive antibiotic resistance un- known	0	0	0	1	1	0	0	0	0	2	3	1	8
Streptococcus pneumoniae - invasive antibiotic resistant/ intermediate	0	0	1	0	0	1	1	2	1	2	1	0	9
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0
Toxic shock syndrome (TSS)	0	0	0	0	0	0	0	0	0	0	0	0	0
Toxoplasmosis - congenital	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	0	0	0	0	1	0	0	0	0	0	0	0	1
Typhoid fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Typhus fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Varicella	3	0	0	3	0	0	1	0	1	2	2	1	13
Vibrio parahaemolyticus infection	0	0	0	0	0	0	0	0	0	0	0	0	0
West Nile virus disease (also current infection)	0	0	0	0	0	0	0	0	0	0	0	0	0
Yersiniosis	0	0	0	0	0	0	0	0	0	0	0	0	0



\*Updated on (1/13/2012)

Licking County Health Department  
Healthy People in Healthy Communities

