

# Knox County Health Department



## 2011 Annual Infectious Disease Report

# Knox County Health Department Infectious Disease Report (2011)

## Narrative

The Knox County Health Department (KCHD) 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 Knox County rates to Central Region rates along with entire State of Ohio rates. Information was also collected from ODH concerning sensitive diseases for Knox County.

### What's Included

- 2011 Fact Sheet
  - Top 5 Issues in Knox 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 KCHD
- MMWR
  - Complete Infectious Disease MMWR for 2011

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

## Fact Sheet

### Top 5 Issues in Knox County

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

Disease	Knox Rate	Ohio Rate
1.) Hepatitis C-Chronic	73.9	46.5
2.) Cryptosporidiosis	49.2	9.6
3.) Salmonellosis	19.7	10.3
4.) Strep. Pneumoniae (invasive antibiotic resistance unknown)	13.1	8.2
5.) Mycobacterial disease	11.5	N/A

*\*Knox Rates calculated from Data Extract*

*\*Ohio Rates calculated from ODH MMWR*

*\*Influenza and STDs not included*

### ODH Information (Knox County)

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

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

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

Disease (2009)	Knox Rate	Ohio Rate
HIV	-	9.3

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

Disease (2009)	Knox Rate	Ohio Rate
HIV (People living with HIV)	26.8	142.1

### STDs in Knox County

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

STD	Knox Rate	Ohio Rate
Chlamydia	154.3	453.5
Gonorrhea	14.8	143.7



\*Updated on (2/3/2012)

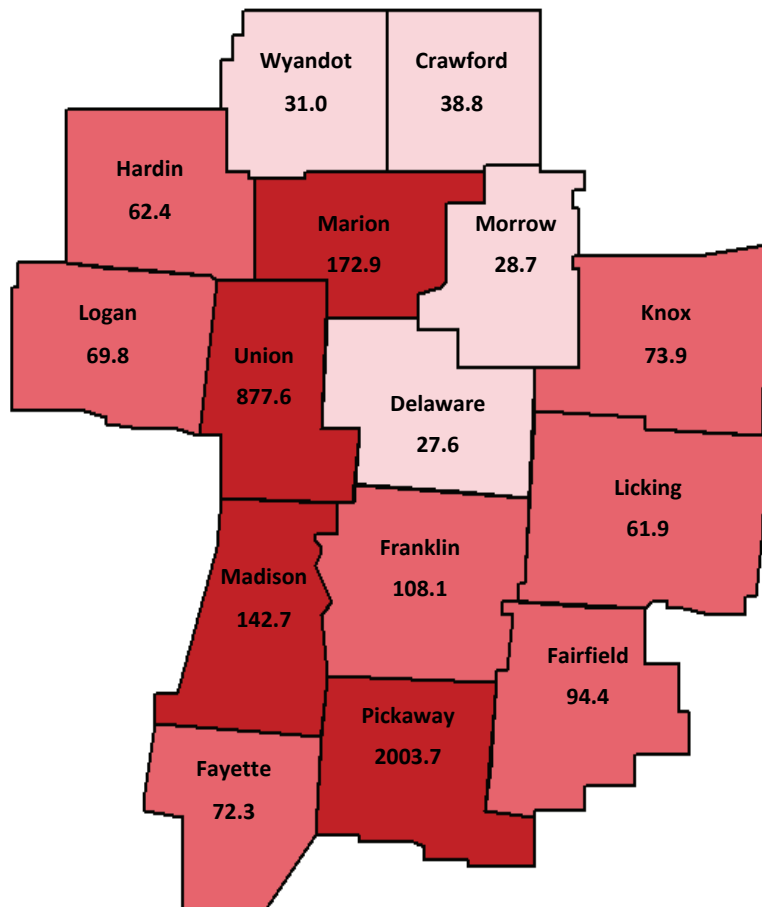
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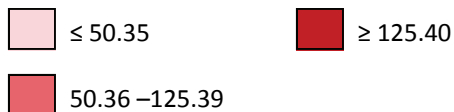
# Knox County Health Department Infectious Disease Report: (2011)

## Central Region Rates (Calculated from Data Extract)

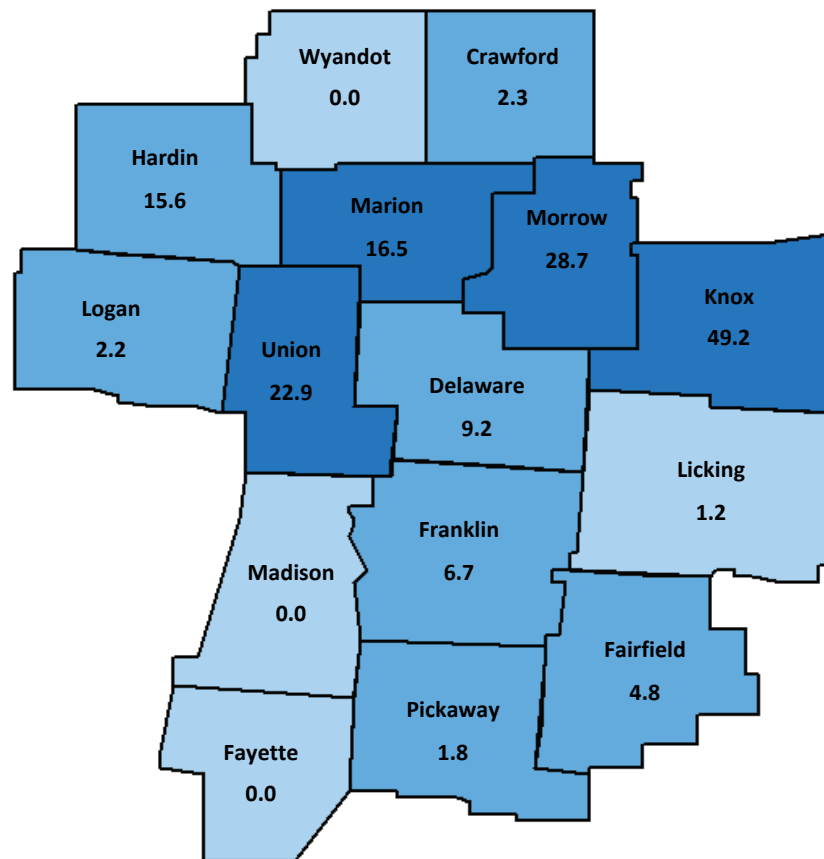
Hepatitis C - Chronic



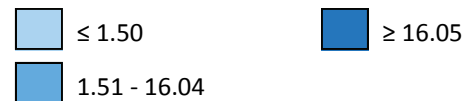
Incidence Rate per County



Cryptosporidiosis



Incidence Rate per County



\*Updated on (2/3/2012)

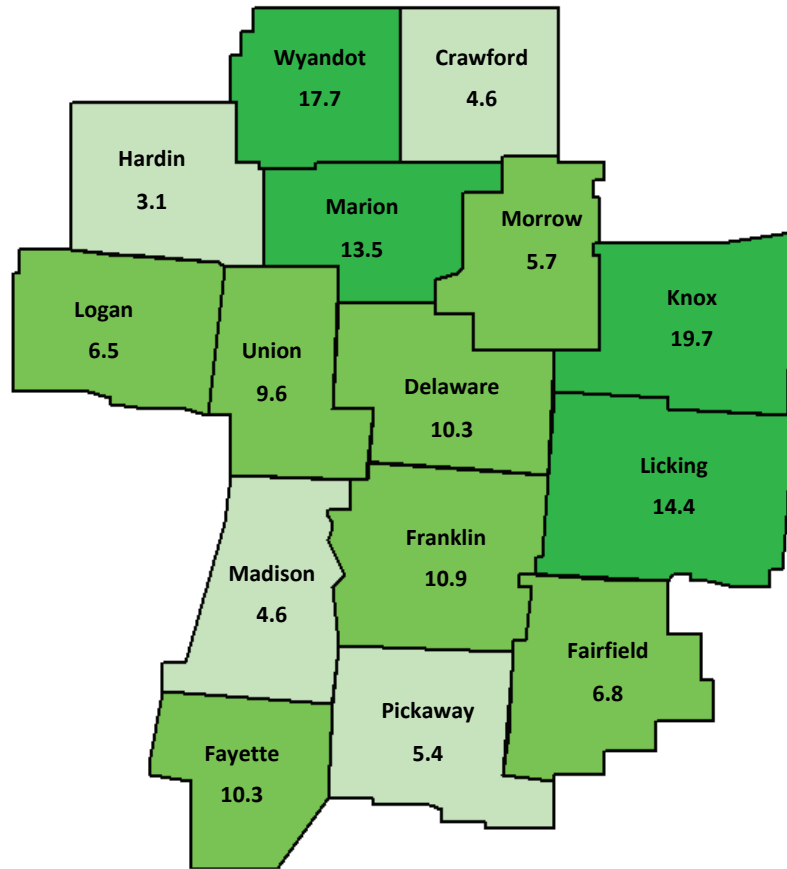
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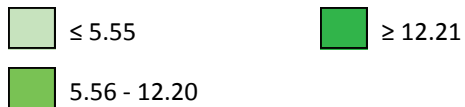
# Knox County Health Department Infectious Disease Report: (2011)

## Central Region Rates (Calculated from Data Extract)

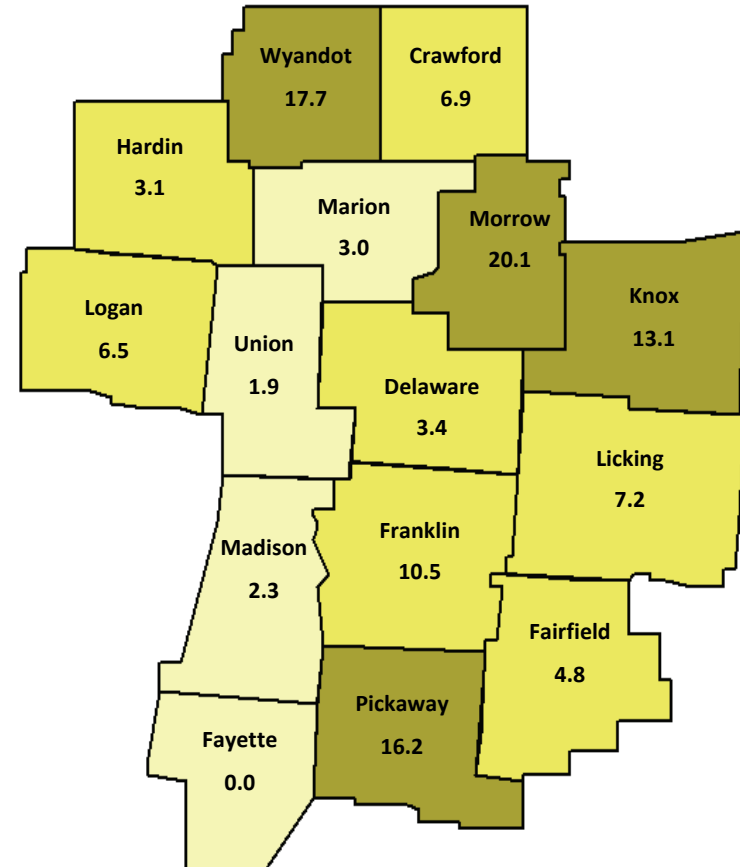
Salmonellosis



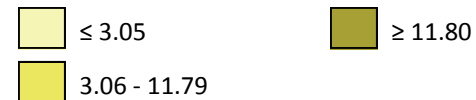
Incidence Rate per County



Strep. Pneumoniae—invasive antibiotic resistant



Incidence Rate per County



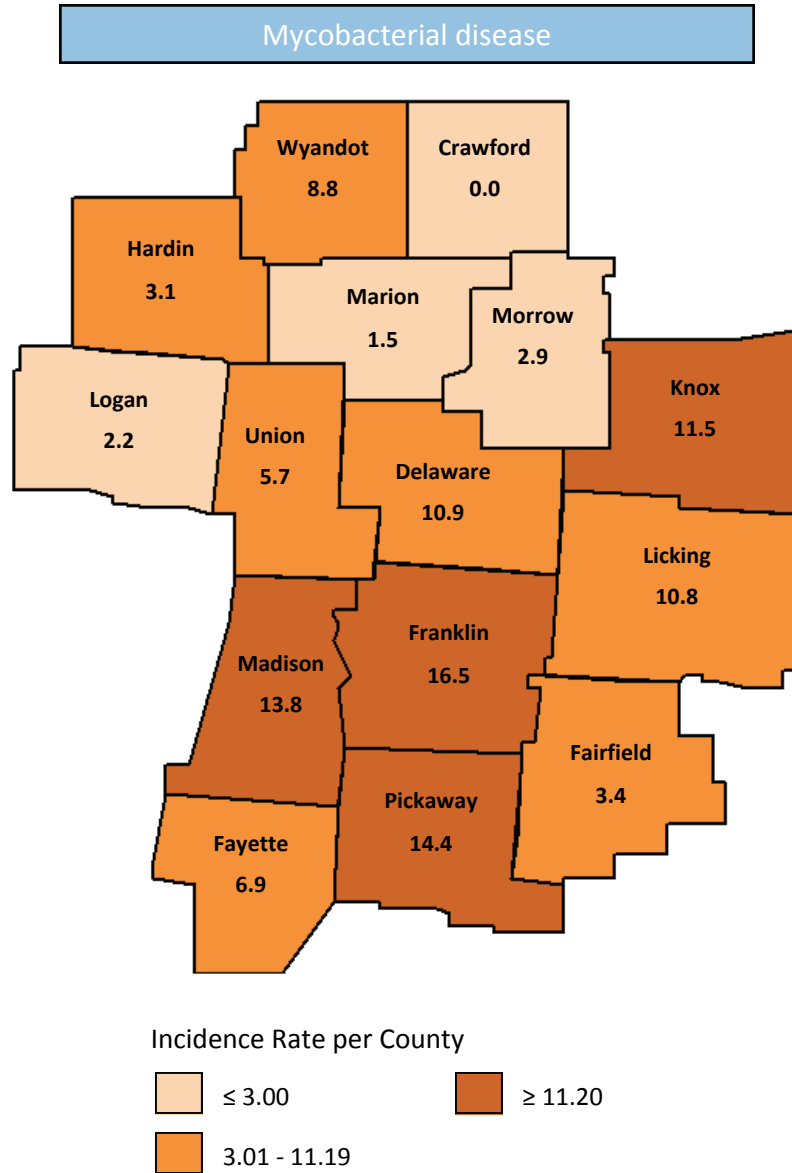
\*Updated on (2/6/2012)

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

Central Region Rates (Calculated from Data Extract)



\*Updated on (2/6/2012)

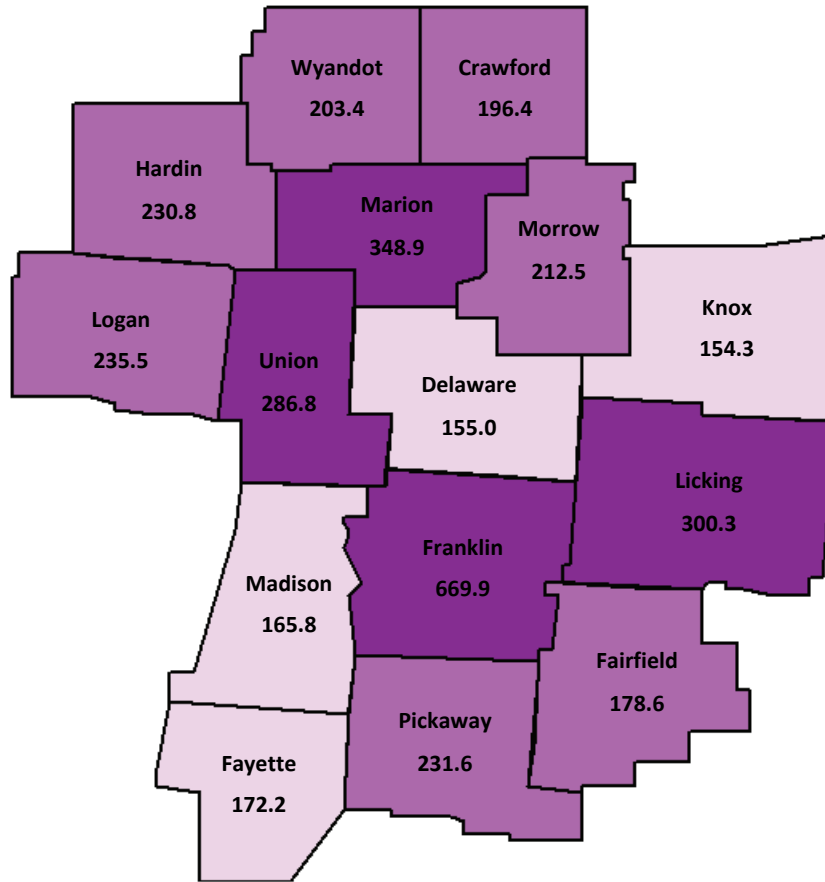
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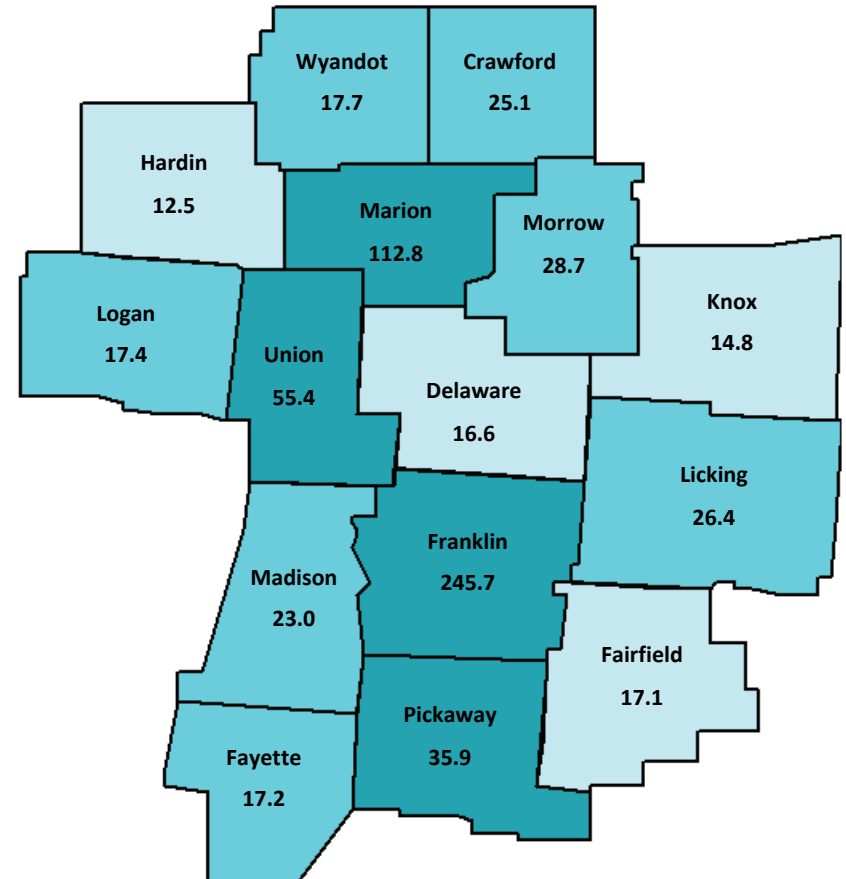
# Knox County Health Department Infectious Disease Report: (2011)

## Central Region Rates (Calculated from Data Extract)

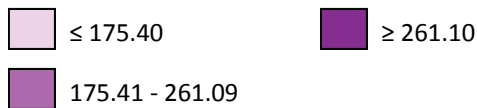
### Chlamydia



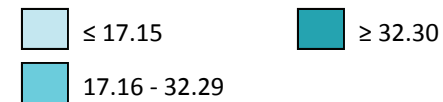
### Gonorrhea



#### Incidence Rate per County



#### Incidence Rate per County



\*Updated on (2/3/2012)

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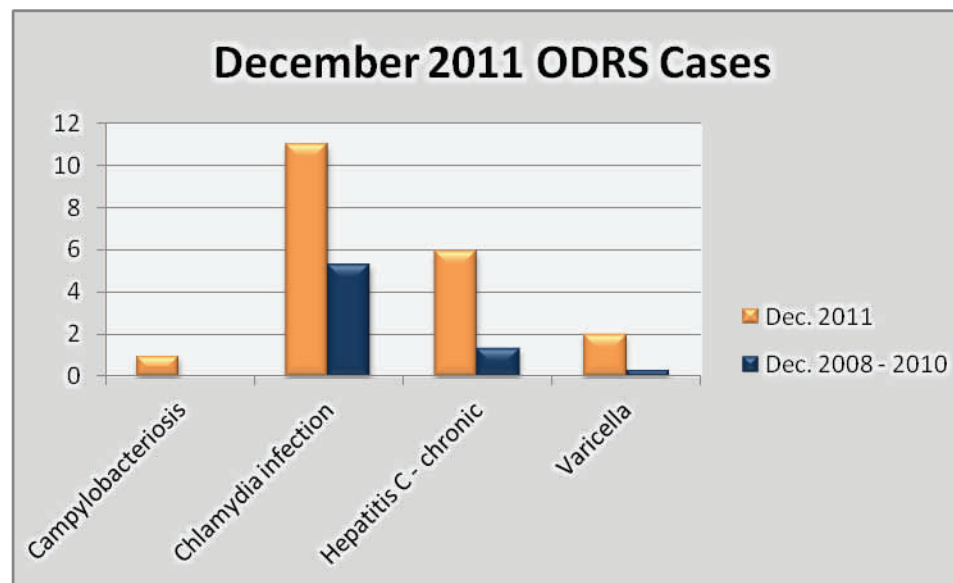


# Knox County Health Department

## Infectious Disease Report: (December 2011)

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

Monthly Baseline ODRS	Disease Class	Dec 2011	Knox County 2008-2010
Reportable Condition	Class	Cases	Average
Campylobacteriosis	B2	1	0.00
Chlamydia infection	B2	11	5.33
Hepatitis C -chronic	B2	6	1.33
Varicella	B2	2	0.33



\*Updated on (2/6/2012)

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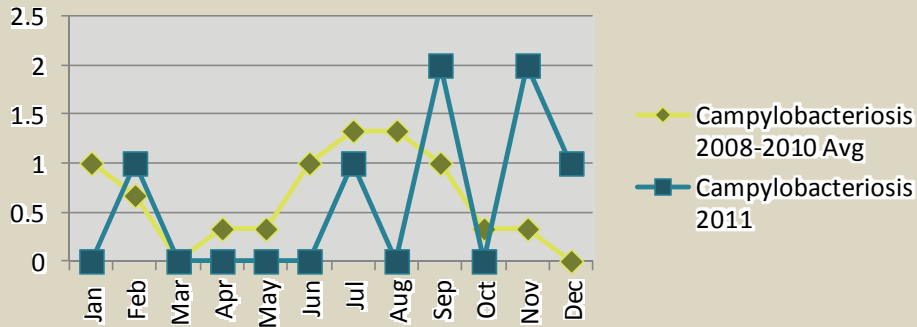




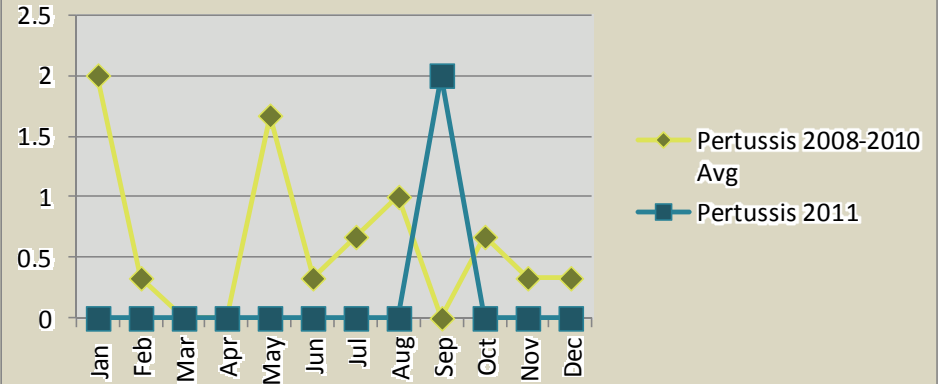
# Knox County Health Department Infectious Disease Report: (2011)

## Disease Graphs

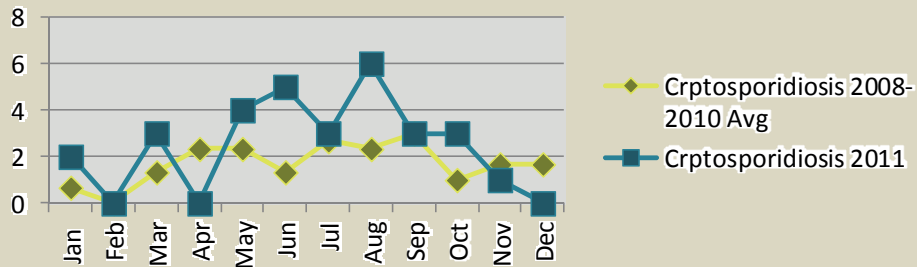
### Knox County Campylobacteriosis Incidence



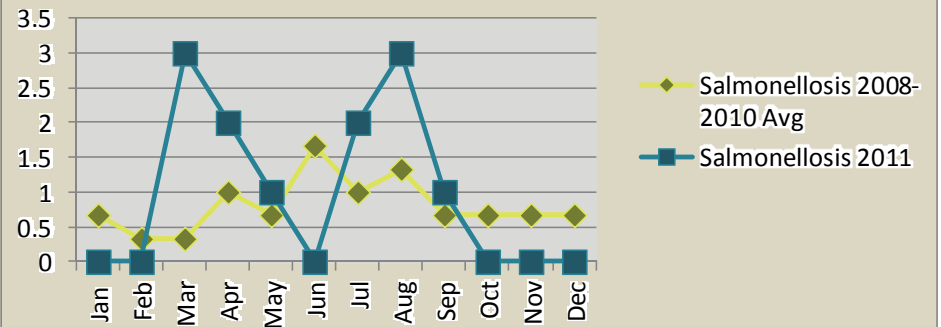
### Knox County Pertussis Incidence



### Knox County Cryptosporidiosis Incidence



### Knox County Salmonellosis Incidence



\*Updated on (2/7/2012)

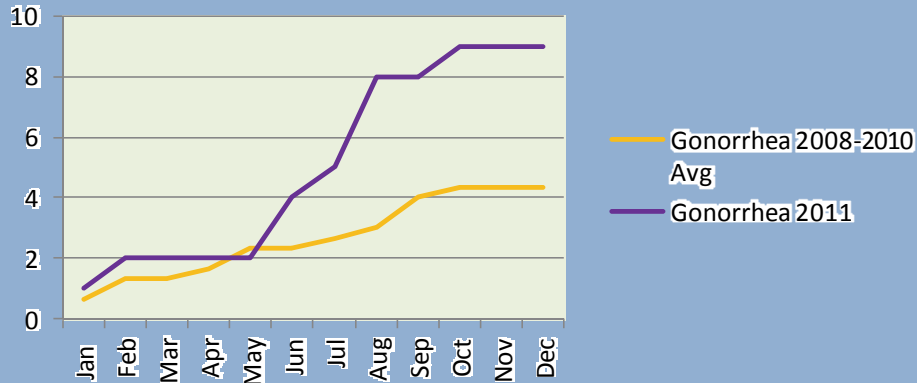
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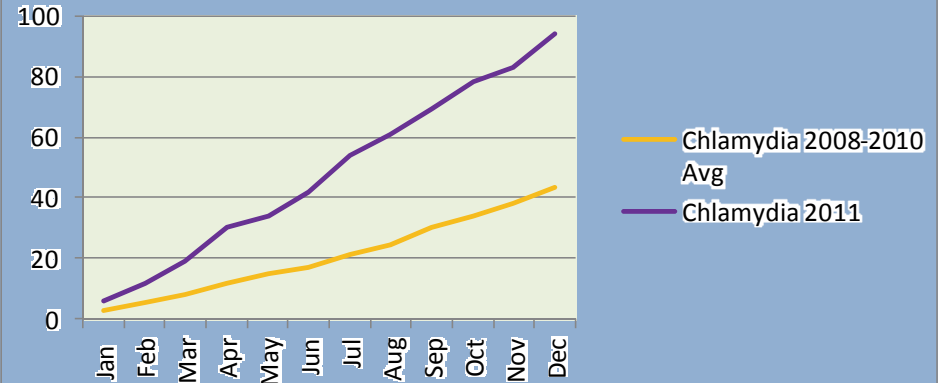
# Knox County Health Department Infectious Disease Report: (2011)

## Disease Graphs

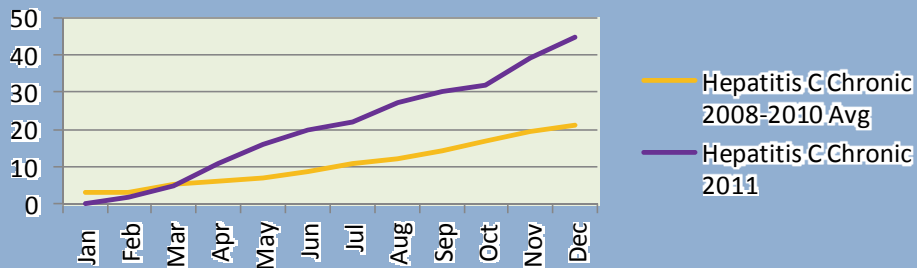
### Knox County Gonorrhea Trends



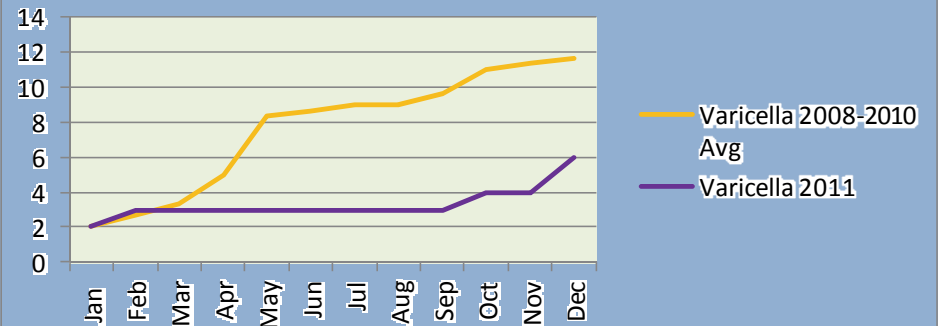
### Knox County Chlamydia Trends



### Knox County Hepatitis C Chronic Trends



### Knox County Varicella Trends



\*Updated on (2/7/2012)

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

MMWR 2011 (Calculated from Data Extract)

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	0	1	0	0	0	0	1	0	2	0	2	1	7
Chlamydia	6	6	7	11	4	8	12	7	8	9	5	11	94
Coccidioidomycosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Creutzfeldt-Jakob Disease	0	0	0	0	0	0	0	0	1	0	0	0	1
Cryptosporidiosis	2	0	3	0	4	5	3	6	3	3	1	0	30
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	0	0	0	0	0	0	0	0	0	0	0	0	0
E. coli - enterohemorrhagic (shiga toxin producing) O157:H7	0	0	0	0	0	0	0	0	0	0	1	0	1
E. coli - enterohemorrhagic (shiga toxin producing) Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	1	1	1	0	1	0	5
Gonorrhea	1	1	0	0	0	2	1	3	0	1	0	0	9
Haemophilus influenzae (invasive disease)	0	0	0	0	0	1	0	0	0	0	1	0	2
Hansen's Disease (Leprosy)	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemolytic uremic syndrome (HUS)	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	0	0	0	0	0	0	0	0	0	0	0	0	0



\*Updated on (2/6/2012)

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MMWR 2011 (Calculated from Data Extract)

Disease	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Hepatitis B (including delta) - acute	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis B (including delta) - chronic	0	0	0	1	0	2	1	0	0	1	0	0	5
Hepatitis B (Perinatal)	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis C - acute	0	0	0	0	0	1	0	0	0	0	0	0	1
Hepatitis C - chronic	0	2	3	6	5	4	2	5	3	2	7	6	45
Hepatitis E	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza-Seasonal	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza-Pediatric Mortality	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza-Hospitalized	5	4	2	0	0	0	0	0	0	0	0	0	11
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 dis-	0	0	0	0	0	0	0	1	0	0	0	0	1
Legionellosis - Legionnaires' Disease	1	0	0	0	0	0	0	0	0	1	0	0	2
Leptospirosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Listeriosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis - aseptic/viral	0	0	0	0	0	0	0	2	0	1	0	0	3
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal disease - Neisseria meningitidis	0	0	0	0	0	0	0	0	0	0	0	0	0
Mumps	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycobacterial disease-other than tuberculosis	0	0	0	1	1	1	0	0	1	2	1	0	7
Pertussis	0	0	0	0	0	0	0	0	2	0	0	0	2
Q fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabies - animal	0	0	0	0	0	0	0	0	0	0	0	0	0



\*Updated on (2/6/2012)

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

MMWR 2011 (Calculated from Data Extract)

Disease	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Rocky Mountain spotted fever (RMSF)	0	0	0	0	1	0	0	0	0	0	0	0	1
Salmonellosis	0	0	3	2	1	0	2	3	1	0	0	0	12
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	1	0	0	0	0	0	0	0	0	0	0	0	1
Streptococcal - Group B - in newborn	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptococcal toxic shock syndrome (STSS)	0	0	1	0	0	1	0	0	0	0	0	0	2
Streptococcus pneumoniae - invasive antibiotic resistance un-	2	1	1	0	0	0	0	2	0	1	1	0	8
Streptococcus pneumoniae - invasive antibiotic resistant/	0	0	0	1	0	0	1	0	0	0	0	0	2
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	0	0	1	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	2	1	0	0	0	0	0	0	0	1	0	2	6
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



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