



WARREN COUNTY COMBINED HEALTH DISTRICT

416 South East Street • Lebanon, Ohio 45036

Duane Stansbury, R.S., M.P.H.  
HEALTH COMMISSIONER

Scott R. Swope, D.O.  
MEDICAL DIRECTOR



Public Health  
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**Monthly Communicable Disease Surveillance Report December 2017**

**Notifiable Communicable Diseases in Warren County**

*No. of Cases: 114 Most Frequently Reported: Chlamydia (n=33) and influenza associated hospitalization (n=19)*

| Communicable Diseases Reported in December*  |           |            |
|--|-----------|------------|
| Reportable Condition   | 2016      | 2017       |
| Campylobacteriosis   | 1         | 2          |
| Chlamydia  | 30        | 33         |
| Creutzfeldt-Jakob Disease  | 0         | 1          |
| E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)               | 1         | 0          |
| Cryptosporidiosis  | 0         | 1          |
| Gonococcal infection   | 10        | 17         |
| Haemophilus influenzae (invasive disease)  | 1         | 0          |
| Hepatitis B, Chronic   | 3         | 5          |
| Hepatitis C, Chronic   | 23        | 18         |
| Influenza-associated hospitalization   | 3         | 19         |
| Legionellosis - Legionnaires' Disease  | 0         | 1          |
| Lyme Disease   | 1         | 0          |
| Meningitis - aseptic/viral   | 1         | 1          |
| Meningitis - bacterial (Not N. meningitidis)                                       | 0         | 1          |
| Mumps(suspected only)  | 0         | 1          |
| Pertussis  | 2         | 3          |
| Shigellosis  | 2         | 2          |
| Streptococcal - Group A –invasive  | 2         | 2          |
| Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant | 1         | 5          |
| Streptococcus pneumoniae - invasive antibiotic resistant/intermediate              | 1         | 1          |
| Varicella  | 3         | 1          |
| Zika Virus Infection   | 2         | 0          |
| <b>Totals</b>  | <b>87</b> | <b>114</b> |

\*Suspect, probable and confirmed cases included in table



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### Warren County Syndromic Surveillance

#### EpiCenter Alerts, December 2017:

- 12/18/2017 Fever by Cusum EMA in Warren County, OH found 41 visits with 21.12 predicted and a threshold of 27.53
- 12/19/2017 Fever by Exponential Moving Average in Warren County, OH found 19 visits with 3.87 predicted and a threshold of 13.44
- 12/19/2017 Fever by Cusum EMA in Warren County, OH found 22 visits with 4.23 predicted and a threshold of 16.26
- 12/19/2017 Constitutional by Cusum EMA in Warren County, OH found 49 visits with 29.43 predicted and a threshold of 36.83
- 12/19/2017 Fever by Exponential Moving Average in Warren County, OH found 39 visits with 21.88 predicted and a threshold of 37.92
- 12/19/2017 Constitutional by Recursive Least Squares in Warren County, OH found 25 visits with 7.42 predicted and a threshold of 21.2
- 12/19/2017 Constitutional by Recursive Least Squares in Warren County, OH found 54 visits with 26.12 predicted and a threshold of 51.69
- 12/19/2017 Constitutional by Exponential Moving Average in Warren County, OH found 27 visits with 9.23 predicted and a threshold of 24.41
- 12/19/2017 Cough by Recursive Least Squares in Warren County, OH found 22 visits with 10.72 predicted and a threshold of 18.66
- 12/20/2017 Fever by Exponential Moving Average in Warren County, OH found 18 visits with 6.89 predicted and a threshold of 16.48
- 12/20/2017 Constitutional by Cusum EMA in Warren County, OH found 23 visits with 10.94 predicted and a threshold of 15.34
- 12/24/2017 Ear, Nose, Throat by Cusum EMA in Warren County, OH found 39 visits with 25.64 predicted and a threshold of 31.58
- 12/24/2017 Respiratory by Cusum EMA in Warren County, OH found 93 visits with 66.17 predicted and a threshold of 90.44
- 12/25/2017 Vomiting by Exponential Moving Average in Warren County, OH found 28 visits with 12.93 predicted and a threshold of 27.86
- 12/26/2017 Respiratory by Cusum EMA in Warren County, OH found 84 visits with 70.91 predicted and a threshold of 77.11



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- **12/26/2017 Cough by Cusum EMA in Warren County, OH found 27 visits with 15.18 predicted and a threshold of 20.66**
- **12/26/2017 Cough by Cusum EMA in Warren County, OH found 44 visits with 30.72 predicted and a threshold of 43.69**
- **12/27/2017 Respiratory by Cusum EMA in Warren County, OH found 49 visits with 34.57 predicted and a threshold of 38.57**
- **12/27/2017 Fever by Cusum EMA in Warren County, OH found 41 visits with 30.39 predicted and a threshold of 37.63**
- **12/27/2017 Fever by Cusum EMA in Warren County, OH found 20 visits with 11.46 predicted and a threshold of 14.06**

**\*The alerts were all found to be related to influenza**

**Summary:**

- Communicable diseases reported for Warren County, Ohio in December 2017 numbered 114.
- Warren County Health Department is currently working two influenza outbreaks in 2 different long term care facilities. Interventions to prevent the spread of the illness have been implemented including visitor restrictions, dining room closures and activities limited to one on one.

Submitted by: Dianna Glenn, RN