



FOODBORNE ILLNESS OUTBREAK

2018

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Manager

About Delaware County



About Delaware County

- 2017 population estimated at 200,464
 - 15% increase in population from 2010
 - Fastest growing county in Ohio
- Unemployment rate of 3.5%

About the Health District

- Levy funded
- Approximately 75 staff agency-wide

About the Health District

- Delaware County

- Continuously ranked healthiest county in Ohio for both health outcomes and health behaviors
- Wealthiest county in Ohio
- Most educated county in Ohio

So we have no problems.....right?

Thurs July 26

- DGHD received customer complaint
- Routine inspection conducted
 - Hot holding issues identified
 - Will follow-up next week

Weekend of July 28-29

- On-call phone receives illness report
 - Caller reports five potential illnesses

Monday July 30

- Entire CD team is out of the office
- Two additional illnesses reported
 - Approximately seven people ill

Monday July 30

- “I’m not worried. If something was going on at Chipotle we would have a lot more than seven people ill”
 - Travis Irvan, Monday July 30 around 10:00 AM

Monday July 30

- 4 P.M.- Follow-up inspection conducted
 - Facility is closed
 - All food discarded
- National media reaches out
- Local media runs segment on evening news

Tuesday July 31

- Additional illness reports come in
 - Social media 'closed groups'
- Quick meeting with managers and PIO
- And then at 10:30....

Tuesday July 31



ATTENTION

If you consumed food from Chipotle at 9733 Sawmill Parkway between **Thursday July 26 - Monday July 30** and have experienced symptoms of **nausea, vomiting and/or diarrhea**, please call (740) 368-1700 and ask to talk to a member of the **Communicable Disease Team**.

Tuesday July 31

- Handling phone calls
 - Admins started forwarding those calls to CD Team
 - Quickly overwhelmed
 - Switched to admins entering name and numbers into a linelist and we'll call back when we can

Tuesday July 31

- Interviews
 - Too many to be done by my team
 - Created standardized survey
 - Trained non-CD staff to assist

Tuesday July 31

- Logistics
 - Stool kit drop off
 - Dropped off 33 stool kits the first day
 - Collect leftover food samples

Tuesday July 31

- I was poisoned data
- O good. A ciguatoxin outbreak, too.

Tuesday July 31

- PIO requesting data
 - Media wants to know how many cases
 - Over 30 media outlets contacted DGHD
 - How do we define this at this point?
- Let's go with 'Inquiries'
 - Either a phone call or e-mail from someone reporting illness

Tuesday July 31

- Facility inspected
 - Facility reopened
- Norovirus protocol

Wed Aug 1

- Implemented goals for the day for task leaders
- Multiple food and stool samples collected
- 24/7 On-call phone was very busy- 30 more inquiries came in during non-office hours

Wed Aug 1

- Early hypothesis
 - Not seeing any secondary spread among household contacts
 - Based on signs/symptoms and incubation period, appears to be *B. cereus* or *C. perfringens*.
 - Matches up pretty well with EH data collected during inspections

Wed. Aug 1

- First lab results are in
 - Everything came back negative
 - But based on our preliminary hypothesis, we expected this

Thurs Aug 2

- Transitioning staff from Interview Task Force to Data Entry Task Force
- Lot of communication between Chipotle and our staff
- Another inspection at the facility

Thurs Aug 2

- More lab results
 - Six cary blairs tested, all negative
 - ODH not testing any more samples via BioFire
 - ODH testing bulk stool for Norovirus in case it is a strain not identified by BioFire
 - Samples also being sent to CDC for *B. cereus* and *C. perfringens*

Thurs Aug 2

- Food samples
 - 10 samples sent to ODH Lab for testing
 - Lab would prefer food samples to be separate, and not mixed
 - i.e. only meat, only beans, only rice

Thurs Aug 2

- More data from I was poisoned
- Ended the day with 683 inquiries and 500 interviews completed

Fri Aug 3

- Work continues
- Rumor control/misguided info
- Over 700 inquiries
 - All interviewed by the end of the day

Social Media

- Conspiracy characters



tradervic @tradervic21 · Aug 8

if we're gonna investigate anything, let's investigate why [\\$cmg](#) is up 2% right before receiving their "clean" bill of health. is it [@delawarehealth](#) or [@delawarewealth](#). [@CDCgov](#) there's [#cyclospora](#) in dem [#diarrhea](#) [#fresheexpress](#) [@cnbc](#) [@CNBCFastMoney](#) [@jimcramer](#)



UPDATE

- This week, several thousand people were hospitalized from the Chipotle in Sumner, Iowa, outbreak between Thursday and the Monday, July 30, 2018, and were reported gastroenteritis symptoms.
- While still working for the Ohio Department of Health, several health inspectors had been for gastroenteritis, diarrhea, and foodborne illness. Their contact information is still pending.
- The Ohio Department of Health is still in the process of reviewing the data from the Chipotle in Sumner, Iowa, outbreak.
- New information will be released when it becomes available on the Ohio Department of Health's website, Facebook page and Twitter account @OHHealth.

Delaware Health Dist @DelawareHealth

AUG. 8, 2018 CHIPOTLE UPDATE

Mon Aug 6

- 8 people reported symptoms returning
 - Is this anything?

Mon Aug 6

- Preliminary food results are in
 - Negative for everything, including *B. cereus* and *C. perfringens*
- So now what?
 - Start thinking about a chemical contamination
 - What if this was intentional?

Tues Aug 7

-another outbreak
 - *Pseudomonas folliculitis/Pseudomonas aeruginosa*
- E. Coli?!
 - From a Chipotle worker who worked during the time frame and was symptomatic

Wed Aug. 8

- Conference call w/ ODH and ODA on chemicals
- Starting to get additional calls from people who became ill outside our initial time frame

Aug 9-15

- A lot of thinking
-and waiting

Aug 16

- Confirmed *C. perfringens*

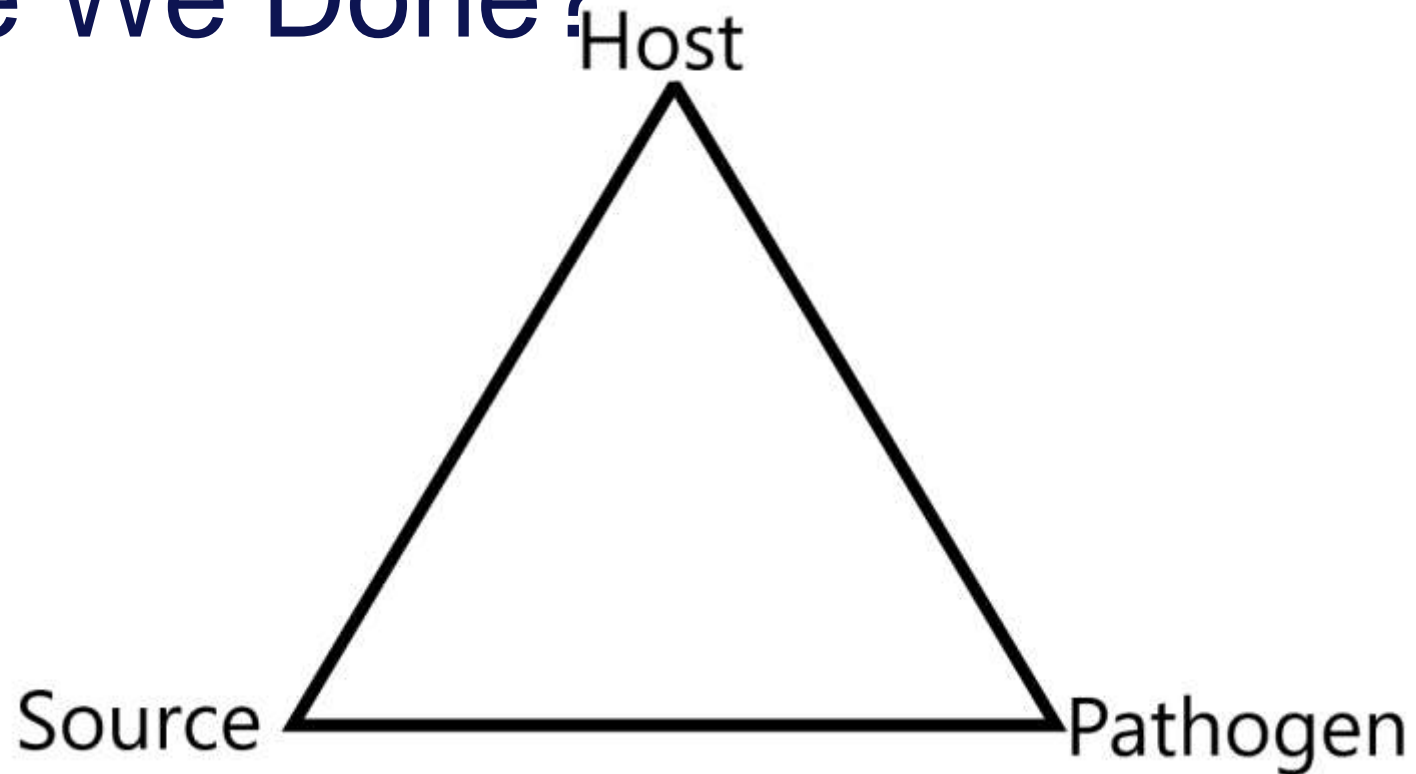
Clostridium perfringens

- Commonly found on raw meat and poultry
- Under ideal conditions can multiply very rapidly
- Infection often occurs when foods are prepared in large quantities and kept warm for a long time before serving

Clostridium perfringens

- Diarrhea and abdominal cramps within 6 to 24 hours (typically 8 to 12 hours).
- The illness usually begins suddenly and lasts for less than 24 hours.
- The illness is not passed from one person to another.

Are We Done?

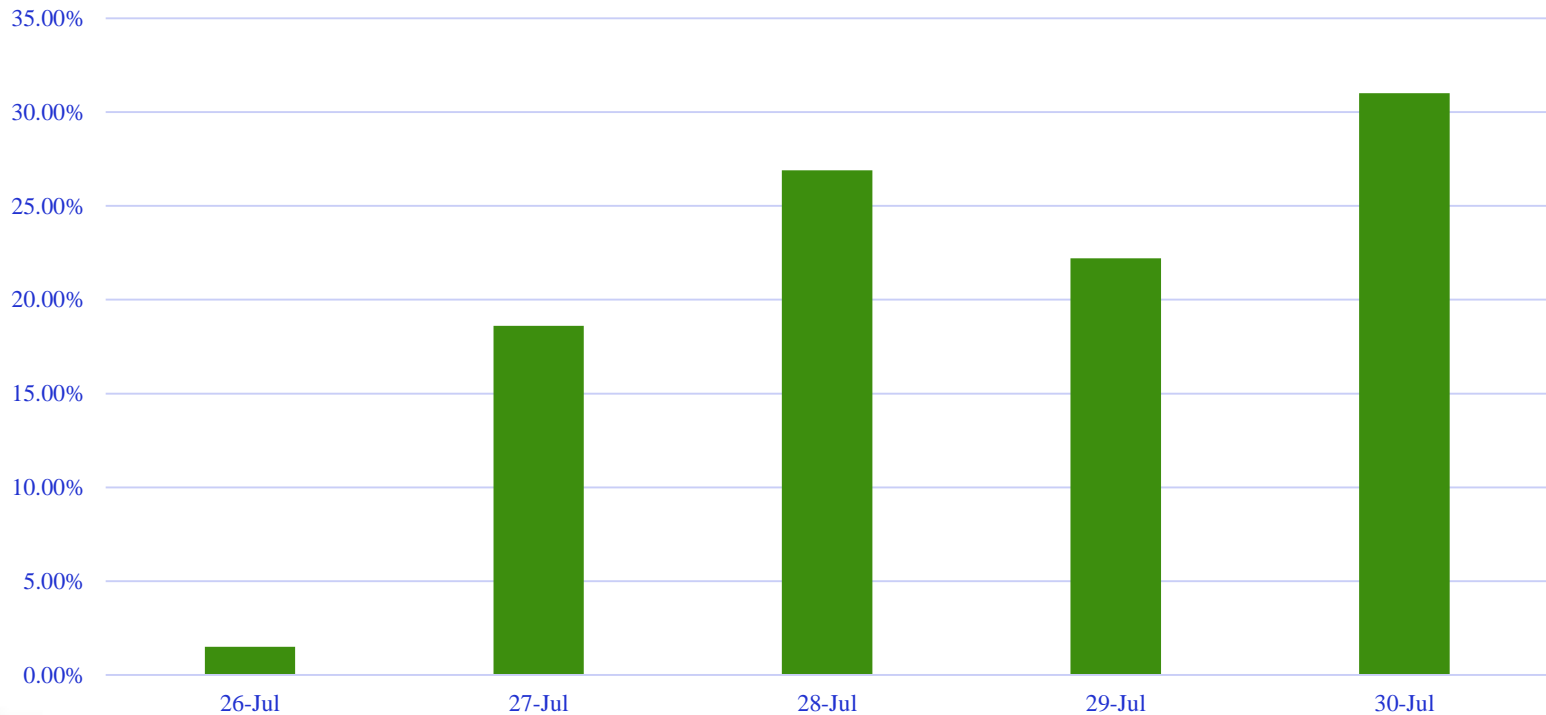


Final numbers

- Outbreak consisted of people eating July 26-30
- Out of an estimated 3,554 customers served, 647 became ill- 18.2% attack rate
- 50 stool kits dropped off, 12 samples collected
- 12 food samples collected

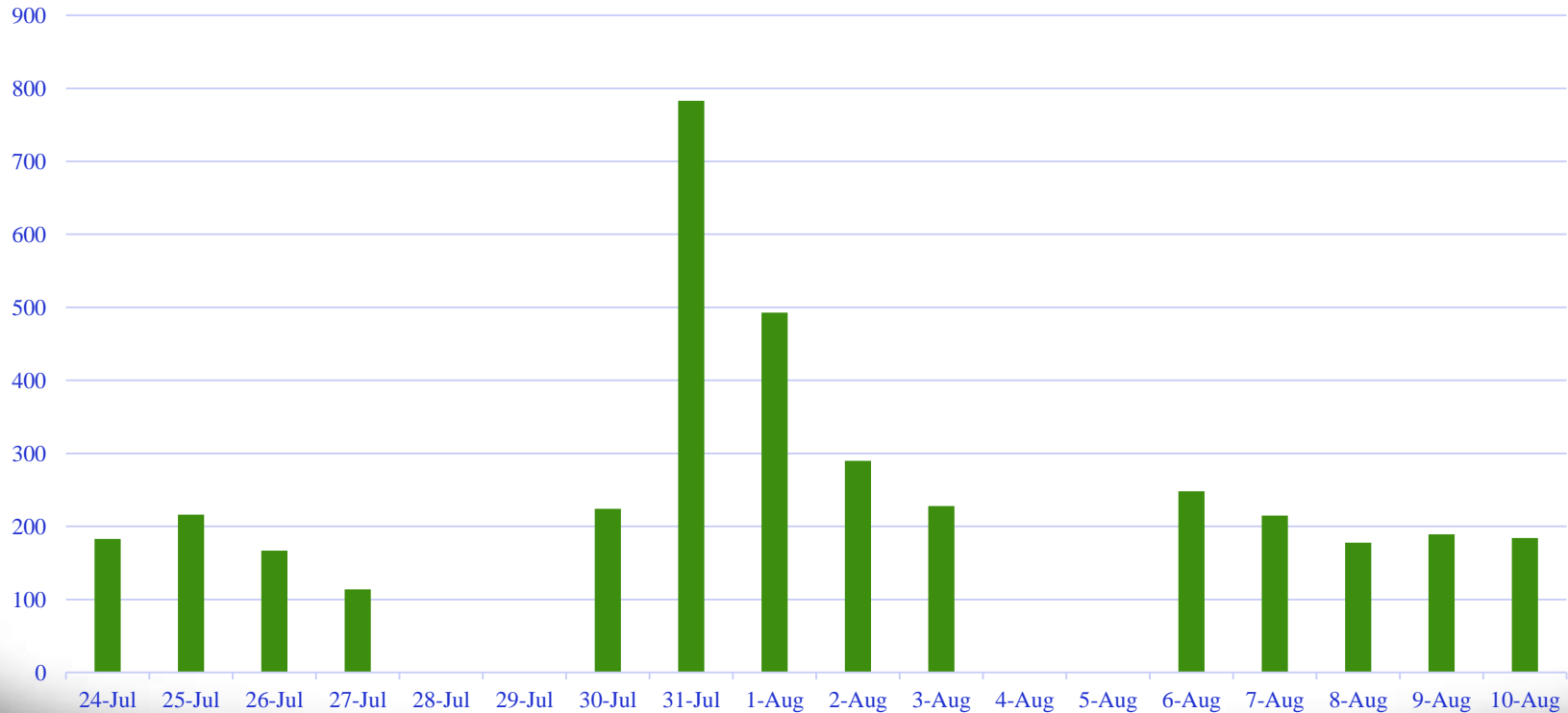
Final numbers

Attack Rates by Day, Restaurant A



Inbound calls

Inbound calls during first few days of outbreak



Final numbers- ICS

- DGHD has around 75 total staff
- 46 staff worked on the outbreak
- Remember- those not working directly on the outbreak were doing the work of those who were

Lessons Learned- What did we learn

- Hitting the pause button
- Not using the word “inquiries”
- Plans procedures
- Additional training for staff who may be involved for outbreaks

Lessons Learned- what went right

- Frequent updates
- Teamwork, teamwork, teamwork

A lot of attorney requests

- Numerous requests, from Aug 2018-March 2019



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QUESTIONS?