

Colorado Investigation



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Colorado Cases

- 4 cases:
 - Interviewed 3 or more times per case
- Onset range:
 - January 28, 2016 – March 14 ,2016
- Ages:
 - 9 years to 29 years
- Sex:
 - 3 Female, 1 Male



Food Testing at CDPHE

- One case had flour in original open package
- Tested at CDPHE
 - Non-Shiga toxin-producing *E. coli* was isolated from the sample
 - No STEC detected
- Sample was transferred to FDA for further testing



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Enrolling Controls for Case-Case Study

- Target: enroll 3-4 controls per CO case (matched by gender and age group).
- State epi’s identified “controls” via surveillance system and notified the local public health agency (LPHA) of eligible controls.
 - Reported *Salmonella* and *Campylobacter* cases
- LPHA would ask if “control” would like to participate in study upon completion of routine interview.



“Controls”

- Enrolled controls for 5 STEC cases; one STEC case was later excluded from the outbreak
- 19 total control interviews completed
 - April 21, 2016 – July 7, 2016
- 11 controls were *Salmonella* cases
- 8 controls were *Campylobacter* cases



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Case-case study Challenges in CO

- LPHAs are prompt to interview (yay?)
 - This resulted in a second phone call to enroll as a control
- Resource intensive
 - In the midst of routine work, state epi's had to set reminders to check for controls in the surveillance system
- Communication
 - Control enrollment was tracked internally at state, but locals were doing the interviews
 - LPHA's faxed completed forms to state

