**Case study: [2014-175] *E. coli* O157:H7 in MB, SK and AB**

**Epidemiologic Summary, July 21, 2014 14:00 EDT**

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|  | **Confirmed cases (n=6)** | **EXPOSURE SUMMARY:**   * **Alberta (n=1):** No travel outside the province during incubation period. Case reports eating hamburgers (well done) at friend’s house, grilled chicken, and various salads. Case has a dog. * **Saskatchewan reports (n=3):** two cases attended the same BBQ on Canada Day (July 1), both ate hamburgers and various salads at the event; cases are not from the same household. The third case was hospitalized, has no connection to the BBQ, but also reports eating hamburgers and salads prior to onset. * **Manitoba (n=2):** no exposure information available. |
| **P/T Case Count**  AB  MB  SK | 1  2  3 |
| **Age (years)**  Range  Mean  Median | 7–82  37.5  31 |
| **Sex: % female** | 67% (4/6) |
| **Hospitalizations** | 25% (1/4) |
| **Deaths** | 0% (0/4) |
| **Onset date range** | June 28 to July 4, 2014 |
| **PFGE pattern** | ECXAI.1398/ECBNI.1212 |
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**CASE DEFINITIONS:**

**Confirmed case:** A resident or visitor to Canada with

* Laboratory confirmation of *E. coli* O157:H7 **AND**
* PFGE pattern combination ECXAI.1398/ECBNI.1212 **AND**
* Symptom onset or laboratory confirmation on or after June 1, 2014

**Probable case:** A resident or visitor to Canada with

* Laboratory confirmation of *E. coli* O157:H7 **AND**
* PFGE pending **AND**
* Symptom onset or laboratory confirmation on or after June 1, 2014

**Suspect case:** A resident or visitor to Canada with

* Symptoms\* consistent with *E. coli* O157:H7 infection **AND**
* An epidemiological link to a confirmed case **AND**
* Symptom onset on or after June 1, 2014

\*Diarrhea (three or more loose stools within 24 hours)