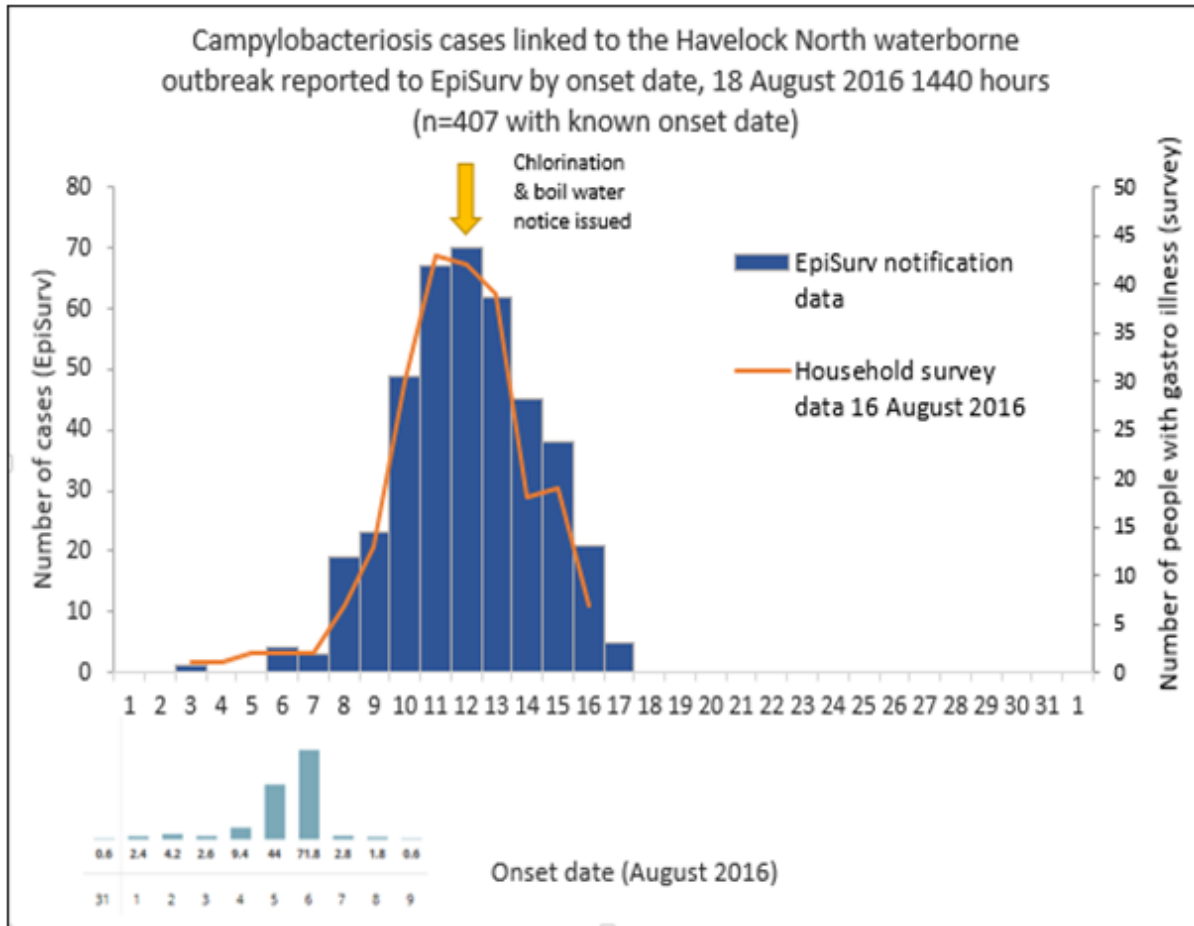


Havelock North Waterborne Outbreak – August 2016

Figure 1: Campylobacteriosis cases linked to the Havelock North waterborne outbreak reported to EpiSurv by onset date (n=407 with known onset date)

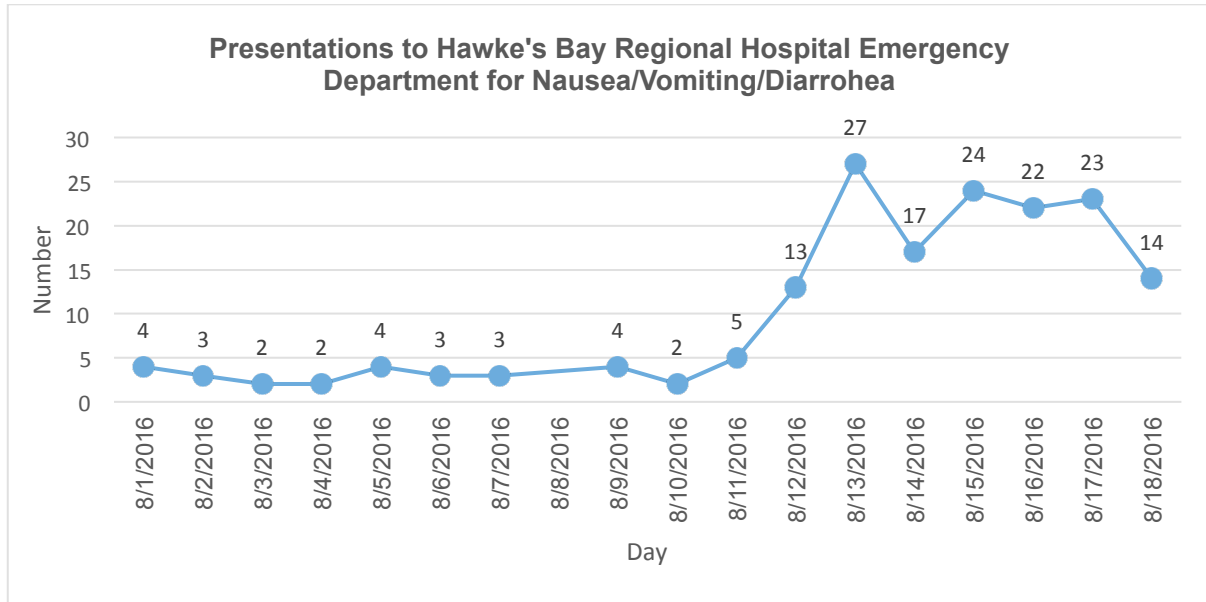


Source: ESR 2016

This graph shows onset on or around 8 August and peaking on 12 August when chlorination and boil water notices were issued. It is important to note that patients may not present to care immediately upon developing symptoms, which leads to a delay in notification of cases. To date, the majority 59% of cases had an onset date between 10–13 August 2016. As cases are still being reported daily its possible this data may change and therefore the interpretation. A household survey was performed on 16 August to estimate the prevalence of the infection in Havelock North. As seen by the orange line, the results were consistent with the onset, peak, and decline of reported cases.

Havelock North Waterborne Outbreak – August 2016

Figure 2: Nausea Vomiting and Diarrhoea cases presenting to the Hawkes Bay Regional Hospital Emergency Department

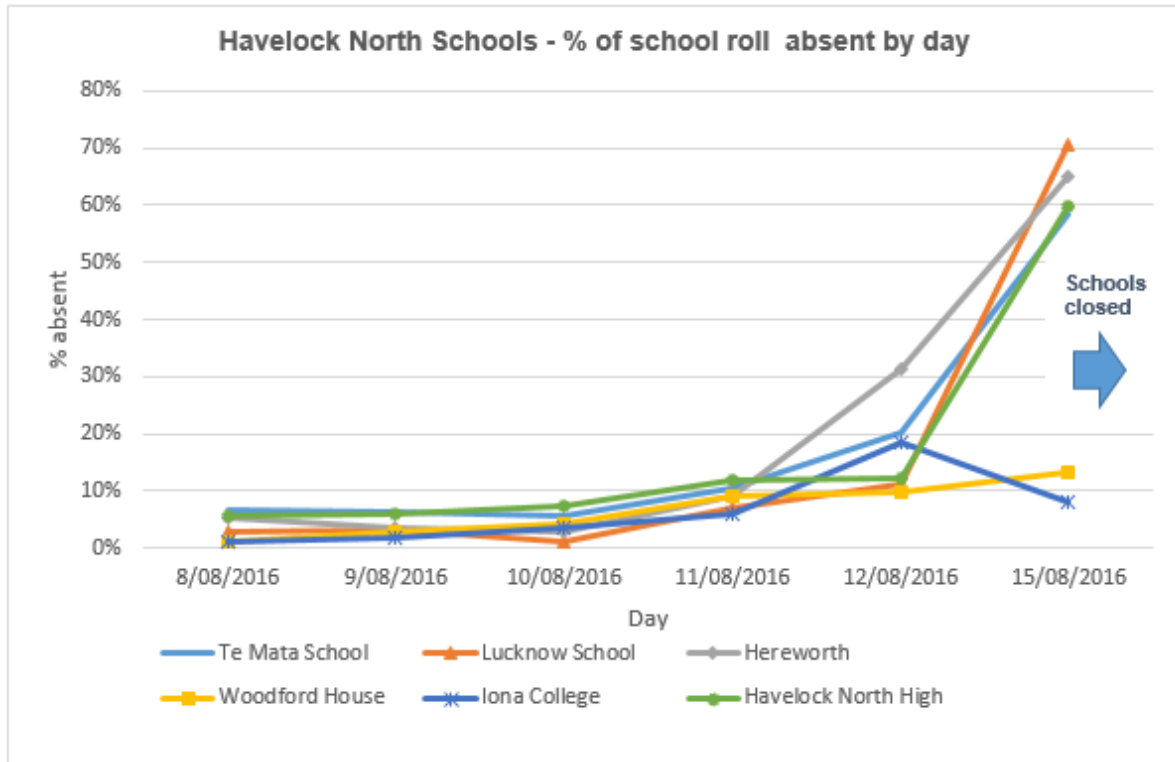


Source: Hawke's Bay DHB 2016

This graph plots the number of presentations to the Hawke's Bay Regional Hospital Emergency Department (ED) with the presenting complaint Nausea/Vomiting/Diarrohea. Emergency Department presentations increased from 5 on Thursday 11th August to 13 on Friday 12th August and peaked on Saturday 13th August with 27 presentations. By the 18th August presentation had dropped 39 % over the previous day presentations.

Havelock North Waterborne Outbreak – August 2016

Figure 3: Havelock North Schools % of school roll absent by school day



Source: HB DHB 2016

This chart shows the % of school absentees for schools in Havelock North by day of week. The graph shows a significant increase in the % of children absent from school by Friday of last week. Between 10 % and 31 % of school rolls were absent on Friday. This proportion had increased markedly by Monday from between 8 % and 71 %. Schools were closed on Tuesday.