

# Surveillance report.

## Annual surveillance report: Shigella in Scotland 2018

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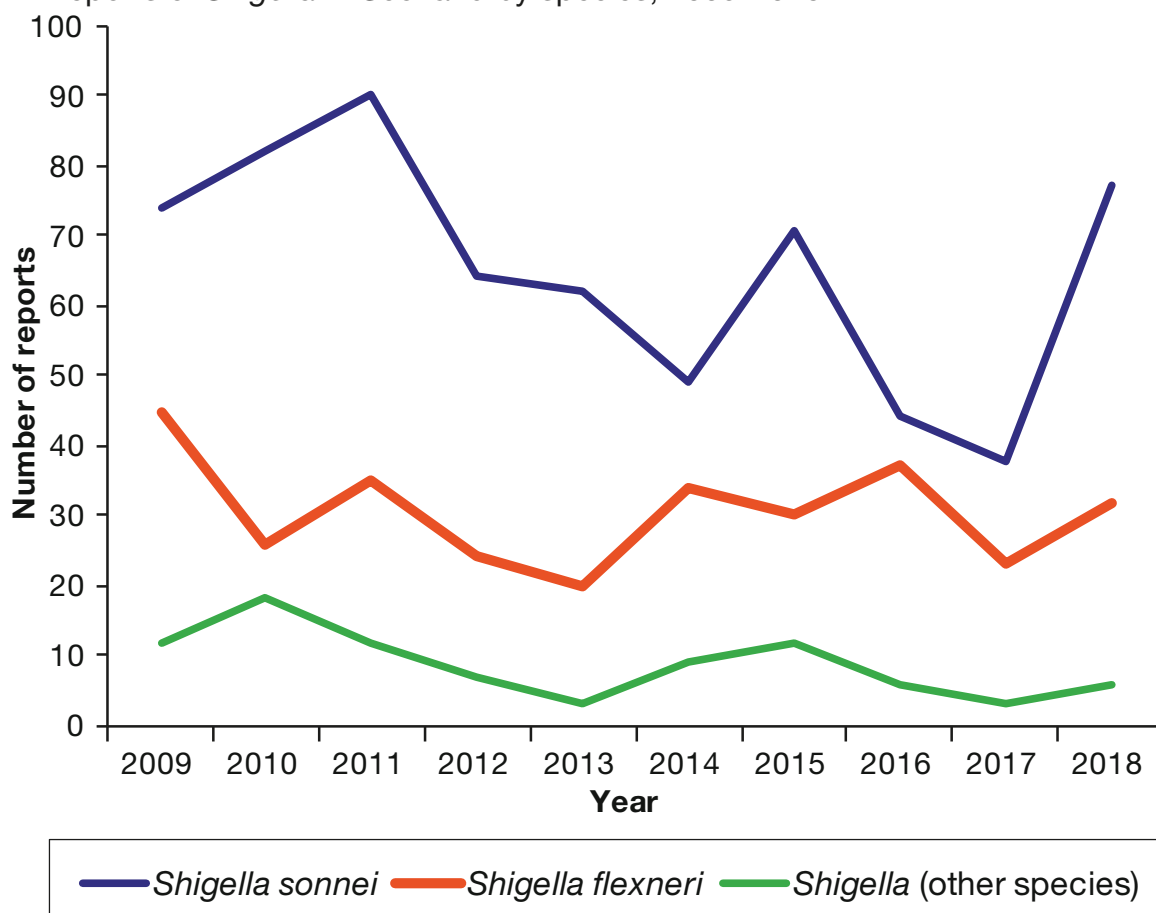
### Shigella

In 2018, there were 115 reports of Shigella in Scotland 112 (97.4%) of which were further speciated. The most common species identified was *Shigella sonnei* with 77 cases (67.0%). This is an increase when compared with the 38 reports (59.4%) in 2017 and 44 reports (50.6%) in 2016 but within the range of what has been reported in the past ten years (range 38-90 cases, 51%-73%) (Figure 1).

In addition, there were 32 cases (27.8%) of *Shigella flexneri* reported in 2018. This is an increase from what was reported in 2017 (23 cases; 35.9%) but lower than 2016 (37 cases; 42.5%).

Two cases of *Shigella boydii* and one case of *Shigella dysenteriae* were also reported in 2018.

**Figure 1:** Reports of *Shigella* in Scotland by species, 2009-2018



Since October 2017, the Scottish Microbiology Reference Laboratory has routinely undertaken whole genome sequencing (WGS) on all *Shigella* isolates in Scotland, replacing traditional typing techniques. Over time, this technology should further aid our understanding of the epidemiology of Shigella infections in Scotland.

## **HPS Surveillance Report**

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