Routine reports of foodborne illness in humans, England and Wales: weeks 40 to 43, 2018

Health Protection Report
Volume 12 Number 40
9 November 2018
Routine reports of foodborne illness in humans, England and Wales: weeks 40 to 43, 2018


2. *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 36 – 3039, 2018

3. *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 36 – 39, 2018

Common gastrointestinal infections in England and Wales

Table 1: Laboratory reports of common gastrointestinal infections in England and Wales reported to Public Health England: weeks 40 – 43 (1 October – 28 October 2018)

<table>
<thead>
<tr>
<th>Laboratory reports*</th>
<th>40/18</th>
<th>41/18</th>
<th>42/18</th>
<th>43/18</th>
<th>Total Reports 40-43/18</th>
<th>Cumulative total to 43/18</th>
<th>Cumulative total to 43/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campylobacter spp.</td>
<td>1086</td>
<td>986</td>
<td>914</td>
<td>962</td>
<td>3948</td>
<td>51497</td>
<td>47675</td>
</tr>
<tr>
<td>Cryptosporidium spp.</td>
<td>156</td>
<td>134</td>
<td>112</td>
<td>79</td>
<td>481</td>
<td>4231</td>
<td>3592</td>
</tr>
<tr>
<td>Giardia spp.</td>
<td>105</td>
<td>121</td>
<td>99</td>
<td>91</td>
<td>416</td>
<td>4403</td>
<td>3977</td>
</tr>
<tr>
<td>Salmonella spp.</td>
<td>261</td>
<td>261</td>
<td>214</td>
<td>180</td>
<td>916</td>
<td>7631</td>
<td>7319</td>
</tr>
<tr>
<td>Shigella spp.</td>
<td>67</td>
<td>55</td>
<td>68</td>
<td>64</td>
<td>254</td>
<td>2079</td>
<td>1548</td>
</tr>
<tr>
<td>STEC O157†</td>
<td>23</td>
<td>12</td>
<td>5</td>
<td>12</td>
<td>52</td>
<td>578</td>
<td>530</td>
</tr>
<tr>
<td>Rotavirus</td>
<td>18</td>
<td>26</td>
<td>22</td>
<td>12</td>
<td>78</td>
<td>1922</td>
<td>3494</td>
</tr>
<tr>
<td>Norovirus</td>
<td>58</td>
<td>64</td>
<td>71</td>
<td>60</td>
<td>253</td>
<td>5137</td>
<td>3733</td>
</tr>
</tbody>
</table>

* Results are derived from Public Health England's Second Generation Surveillance System (SGSS) and are a composite of initial results from primary diagnostic laboratories (not yet subtyped) and results that have been subtyped at the relevant national reference laboratories. † Shiga toxin producing *Escherichia coli* (STEC) O157 results are derived from Public Health England’s National Enhanced Surveillance System for STEC.

Note: All data are provisional.
Salmonella infections in England and Wales

Details of 1214 Salmonella infections stratified by serotype reported in the previous period (weeks 36 – 39, 2018) are given in the table below. In the current reporting period (weeks 40 – 43, 2018), 916 Salmonella infections were reported.

Table 2: Salmonella infections (faecal specimens) in England and Wales stratified by serotype: weeks 36 - 39 (3 September – 30 September 2018)‡

<table>
<thead>
<tr>
<th>Serotype</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salmonella enteritidis</td>
<td>430</td>
</tr>
<tr>
<td>Salmonella typhimurium</td>
<td>273</td>
</tr>
<tr>
<td>Salmonella infantis</td>
<td>33</td>
</tr>
<tr>
<td>Salmonella newport</td>
<td>33</td>
</tr>
<tr>
<td>Salmonella virchow</td>
<td>24</td>
</tr>
<tr>
<td>Other Salmonella serovars</td>
<td>421</td>
</tr>
<tr>
<td>Total Salmonella infections (provisional data)</td>
<td>1214</td>
</tr>
</tbody>
</table>

Shigella infections in England and Wales

Details of 289 Shigella infections stratified by species reported in the previous period (weeks 36 – 39, 2018) are given in the table below. In the current reporting period (weeks 40 – 43, 2018), 254 Shigella infections were reported.

Table 3: Shigella infections (faecal specimens) in England and Wales stratified by species: weeks 36 - 39 (3 September – 30 September 2018)‡

<table>
<thead>
<tr>
<th>Serotype</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shigella sonnei</td>
<td>133</td>
</tr>
<tr>
<td>Shigella flexneri</td>
<td>31</td>
</tr>
<tr>
<td>Shigella boydii</td>
<td>11</td>
</tr>
<tr>
<td>Shigella dysenteriae</td>
<td>2</td>
</tr>
<tr>
<td>Shigella not specified</td>
<td>112</td>
</tr>
<tr>
<td>Total Shigella infections (provisional data)</td>
<td>289</td>
</tr>
</tbody>
</table>

‡ Serotyping results in Tables 2 and 3 are derived from data generated by Public Health England's Gastrointestinal Bacteria Reference Unit (GBRU). They are presented a month in arrears to allow for the lag between initial diagnosis at primary diagnostic laboratories and confirmatory (sub) typing at the reference laboratory.

Notes: Phage typing for Salmonella spp. and Shigella spp. ceased as of 1 November 2015. From 1 December 2014, data for these reports has been derived from a new laboratory reporting system (Second Generation Surveillance System, SGSS); direct comparisons between reports prior to and following this period may therefore not be valid. All data are provisional.