Routine reports of gastrointestinal infections in humans, England and Wales: February and March, 2019

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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 9-13 2019 (25th February – 31st March 2019)

<table>
<thead>
<tr>
<th>Laboratory reports</th>
<th>09/19</th>
<th>10/19</th>
<th>11/19</th>
<th>12/19</th>
<th>13/19</th>
<th>Total Reports 9-13/19</th>
<th>Cumulative Total to 13/19</th>
<th>Cumulative Total to 13/18</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Campylobacter spp.</em></td>
<td>883</td>
<td>790</td>
<td>880</td>
<td>924</td>
<td>812</td>
<td>4289</td>
<td>10398</td>
<td>13588</td>
</tr>
<tr>
<td><em>Cryptosporidium spp.</em></td>
<td>34</td>
<td>49</td>
<td>44</td>
<td>56</td>
<td>34</td>
<td>217</td>
<td>550</td>
<td>836</td>
</tr>
<tr>
<td><em>Giardia spp.</em></td>
<td>95</td>
<td>92</td>
<td>103</td>
<td>112</td>
<td>75</td>
<td>477</td>
<td>1188</td>
<td>1382</td>
</tr>
<tr>
<td><em>Salmonella spp.</em></td>
<td>81</td>
<td>113</td>
<td>84</td>
<td>119</td>
<td>102</td>
<td>499</td>
<td>1238</td>
<td>1379</td>
</tr>
<tr>
<td><em>Shigella spp.</em></td>
<td>33</td>
<td>65</td>
<td>49</td>
<td>58</td>
<td>43</td>
<td>248</td>
<td>622</td>
<td>373</td>
</tr>
<tr>
<td><em>STEC O157†</em></td>
<td>2</td>
<td>7</td>
<td>7</td>
<td>6</td>
<td>11</td>
<td>33</td>
<td>67</td>
<td>54</td>
</tr>
<tr>
<td>Rotavirus</td>
<td>61</td>
<td>79</td>
<td>84</td>
<td>97</td>
<td>104</td>
<td>425</td>
<td>846</td>
<td>441</td>
</tr>
<tr>
<td>Norovirus</td>
<td>170</td>
<td>153</td>
<td>159</td>
<td>155</td>
<td>125</td>
<td>762</td>
<td>2259</td>
<td>2857</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.

Notes: All data is provisional.
Salmonella infections in England and Wales

Details of 365 Salmonella infections stratified by serotype reported in the previous period (weeks 5 – 8, 2019) are given in the table below. In the current reporting period (weeks 9 – 13, 2019), 499 Salmonella infections were reported.

Table 2: Salmonella infections (faecal specimens) in England and Wales stratified by serotype: weeks 5 – 8 2019 (28th January – 24th February) ‡

<table>
<thead>
<tr>
<th>Serotype</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salmonella Enteritidis</td>
<td>84</td>
</tr>
<tr>
<td>Salmonella Typhimurium</td>
<td>79</td>
</tr>
<tr>
<td>Salmonella Newport</td>
<td>17</td>
</tr>
<tr>
<td>Salmonella Agona</td>
<td>14</td>
</tr>
<tr>
<td>Salmonella Bovis-Morbificans</td>
<td>9</td>
</tr>
<tr>
<td>Other Salmonella serovars</td>
<td>162</td>
</tr>
<tr>
<td>Total Salmonella infections (provisional data)</td>
<td>365</td>
</tr>
</tbody>
</table>

Shigella infections in England and Wales

Details of 184 Shigella infections stratified by species reported in the previous period (weeks 5 – 8, 2019) are given in the table below. In the current reporting period (weeks 9 – 13, 2019), 248 Shigella infections were reported.

Table 3: Shigella infections (faecal specimens) in England and Wales stratified by species: weeks 5 - 8 (28th January – 24th February 2019) ‡

<table>
<thead>
<tr>
<th>Species</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shigella sonnei</td>
<td>59</td>
</tr>
<tr>
<td>Shigella flexneri</td>
<td>44</td>
</tr>
<tr>
<td>Shigella boydii</td>
<td>1</td>
</tr>
<tr>
<td>Shigella not speciated</td>
<td>80</td>
</tr>
<tr>
<td>Total Shigella infections (provisional data)</td>
<td>184</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: Please note that 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.
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About Health Protection Report

Health Protection Report is a national public health bulletin for England and Wales, published by Public Health England. It is PHE’s principal channel for the dissemination of laboratory data relating to pathogens and infections/communicable diseases of public health significance and of reports on outbreaks, incidents and ongoing investigations.

Public Health England, Wellington House, 133-155 Waterloo Road, London SE1 8UG.
Tel: 020 7654 8000 www.gov.uk/phe
Twitter: @PHE_uk Facebook: www.facebook.com/PublicHealthEngland

Queries relating to this document should be directed to:
EEDD@phe.gov.uk

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