



Public Health
England

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Routine reports of foodborne illness in humans, England and Wales: weeks 27 to 30, 2018

Health Protection Report

Volume 12 Number 29

13 August 2018

Routine reports of foodborne illness in humans, England and Wales: weeks 27 to 30, 2018

1. Common gastrointestinal infections in England and Wales reported to Public Health England by primary diagnostic laboratories: weeks 27 – 30, 2018.
2. *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 22 – 26, 2018
3. *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 22 – 26, 2018

Table 1. Common gastrointestinal infections in England and Wales reported by primary diagnostic laboratories: weeks 27 – 30, 2018 (2 – 29 July 2018)

| Laboratory reports | 27/18 | 28/18 | 29/18 | 30/18 | Total Reports 27-30/18 | Cumulative total to 30/18 | Cumulative total to 30/17 |
|------------------------------|-------|-------|-------|-------|------------------------|---------------------------|---------------------------|
| <i>Campylobacter</i> spp.^ | 1661 | 1619 | 1406 | 1155 | 5841 | 36452 | 31588 |
| STEC O157* | 30 | 15 | 15 | 20 | 70 | 276 | 278 |
| <i>Salmonella</i> spp.^ | 204 | 192 | 188 | 229 | 813 | 4273 | 4192 |
| <i>Shigella</i> spp.^ | 47 | 48 | 59 | 38 | 192 | 1207 | 979 |
| Rotavirus | 55 | 69 | 46 | 36 | 206 | 1509 | 3187 |
| Norovirus | 87 | 78 | 74 | 38 | 277 | 4375 | 2985 |
| <i>Cryptosporidium</i> spp.^ | 48 | 53 | 56 | 70 | 227 | 2122 | 1867 |
| <i>Giardia</i> spp.^ | 95 | 99 | 90 | 97 | 381 | 2902 | 2523 |

Table 2. *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype [†]

Details of 827 *Salmonella* infections stratified by serotype reported in the previous period (weeks 22 – 26 2018) are given in the table below. In the current reporting period (weeks 27–30), 813 *Salmonella* infections were reported.

| Serotype | Total |
|----------------|-------|
| S. Enteritidis | 269 |
| S. Typhimurium | 163 |
| S. Infantis | 30 |
| S. Newport | 30 |
| S. Agona | 24 |
| Others | 311 |
| Grand Total* | 827 |

* This data is provisional

Table 3. *Shigella* infections (faecal specimens) in England and Wales stratified by species ⁺

Details of 191 *Shigella* infections stratified by species reported in the previous period (weeks 22 – 26 2018) are given in the table below. In the current reporting period (weeks 27 – 30 2018), 192 *Shigella* infections were reported.

| Serotype | Total |
|-------------------------------|-------|
| <i>Sh. sonnei</i> | 89 |
| <i>Sh. flexneri</i> | 38 |
| <i>Sh. boydii</i> | 5 |
| <i>Sh. dysenteriae</i> | 2 |
| <i>Shigella</i> not speciated | 57 |
| Grand Total * | 191 |

* This data is provisional

Data sources:

+ Subtyping results in tables 2 – 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.

* Shiga toxin producing *Escherichia coli* (STEC) results in table 4 are derived from Public Health England's National Enhanced Surveillance System for STEC.

^ Results 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.

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.

About Public Health England

Public Health England exists to protect and improve the nation's health and wellbeing, and reduce health inequalities. We do this through world-class science, knowledge and intelligence, advocacy, partnerships and the delivery of specialist public health services. We are an executive agency of the Department of Health, and are a distinct delivery organisation with operational autonomy to advise and support government, local authorities and the NHS in a professionally independent manner.

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.

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Published: August 2018

PHE publications gateway number: 2018220

