



Public Health
England

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Routine reports of gastrointestinal infections in humans, England and Wales: October and November, 2018

Health Protection Report

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Routine reports of gastrointestinal infections in humans, England and Wales: October and November, 2018

1. Common gastrointestinal infections in England and Wales reported to Public Health England by primary diagnostic laboratories: weeks 44 – 47, 2018.
2. *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 40 – 43, 2018
3. *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 40 – 43, 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 44 – 47 (29 October – 25 November 2018)

Laboratory reports*	44/18	45/18	46/18	47/18	Total Reports 44-47/18	Cumulative total to 47/18	Cumulative total to 47/17
<i>Campylobacter</i> spp.	899	980	964	938	3781	55937	51755
<i>Cryptosporidium</i> spp.	106	109	129	85	429	4666	4001
<i>Giardia</i> spp.	88	123	128	90	429	4834	4394
<i>Salmonella</i> spp.	157	188	146	113	604	8240	7899
<i>Shigella</i> spp.	47	62	55	65	229	2308	1712
STEC O157†	6	15	10	8	39	617	593
Rotavirus	23	34	31	18	106	2030	3562
Norovirus	104	128	113	107	452	5620	4316

* 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 916 *Salmonella* infections stratified by serotype reported in the previous period (weeks 40 – 43, 2018) are given in the table below. In the current reporting period (weeks 44 – 47, 2018), 604 *Salmonella* infections were reported.

Table 2: *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 40 – 43 (1 October – 28 October 2018)[‡]

Serotype	Total
<i>Salmonella</i> Enteritidis	335
<i>Salmonella</i> Typhimurium	154
<i>Salmonella</i> Infantis	34
<i>Salmonella</i> Newport	25
<i>Salmonella</i> Virchow	22
Other <i>Salmonella</i> serovars	346
Total <i>Salmonella</i> infections (provisional data)	916

Shigella infections in England and Wales

Details of 250 *Shigella* infections stratified by species reported in the previous period (weeks 40 – 43, 2018) are given in the table below. In the current reporting period (weeks 44 – 47, 2018), 229 *Shigella* infections were reported.

Table 3: *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 40 – 43 (1 October – 28 October 2018)[‡]

Species	Total
<i>Shigella sonnei</i>	120
<i>Shigella flexneri</i>	39
<i>Shigella boydii</i>	5
<i>Shigella dysenteriae</i>	5
<i>Shigella</i> not speciated	81
Total <i>Shigella</i> infections (provisional data)	250

[‡] Sub-typing 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.

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 Social Care, 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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