



Public Health
England

Protecting and improving the nation's health

Routine reports of gastrointestinal infections in humans, England and Wales: October and November 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 44-48 (28 October 2019 – 1 December 2019)

Laboratory reports*	44/19	45/19	46/19	47/19	48/19	Total Reports 44-48/19	Cumulative total to 48/19	Cumulative total to 48/18
<i>Campylobacter</i> spp.	1191	1185	1135	1122	1063	5696	53953	57088
<i>Cryptosporidium</i> spp.	149	161	169	133	108	720	4175	4757
<i>Giardia</i> spp.	111	112	114	102	101	540	4532	5213
<i>Salmonella</i> spp.	192	170	156	158	110	786	7753	8244
<i>Shigella</i> spp.	70	71	70	90	78	379	2942	2376
STEC O157 [†]	9	10	14	13	19	65	519	608
Rotavirus	29	27	28	17	14	115	2744	2066
Norovirus	155	205	222	176	289	1047	5993	5935

* 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 are provisional.

Salmonella infections in England and Wales

Details of 1100 *Salmonella* infections stratified by serotype reported in the previous period (weeks 40 – 43, 2019) are given in the table below. In the current reporting period (weeks 44 – 48, 2019), 786 *Salmonella* infections were reported.

Table 2: *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 40-43 (30 September – 27 October 2019)[‡]

Serotype	Total
<i>Salmonella</i> Enteritidis	312
<i>Salmonella</i> Typhimurium	192
<i>Salmonella</i> Mikawasima	109
<i>Salmonella</i> Agona	32
<i>Salmonella</i> Newport	28
Other <i>Salmonella</i> serovars	427
Total <i>Salmonella</i> infections (provisional data)	1100

Shigella infections in England and Wales

Details of 274 *Shigella* infections stratified by species reported in the previous period (weeks 40 – 43, 2019) are given in the table below. In the current reporting period (weeks 44 – 48, 2019), 379 *Shigella* infections were reported.

Table 3: *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 40 - 43 (30 September – 27 October 2019)[‡]

Serotype	Total
<i>Shigella sonnei</i>	89
<i>Shigella flexneri</i>	74
<i>Shigella boydii</i>	7
<i>Shigella dysenteriae</i>	1
<i>Shigella</i> not speciated	103
Total <i>Shigella</i> infections (provisional data)	274

[‡] Subtyping 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.

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, research, 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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