



Public Health
England

Protecting and improving the nation's health

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

Health Protection Report

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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)

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

* 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) †

Serotype	Total
<i>Salmonella</i> Enteritidis	84
<i>Salmonella</i> Typhimurium	79
<i>Salmonella</i> Newport	17
<i>Salmonella</i> Agona	14
<i>Salmonella</i> Bovis-Morbificans	9
Other <i>Salmonella</i> serovars	162
Total <i>Salmonella</i> infections (provisional data)	365

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) †

Species	Total
<i>Shigella sonnei</i>	59
<i>Shigella flexneri</i>	44
<i>Shigella boydii</i>	1
<i>Shigella</i> not speciated	80
Total <i>Shigella</i> infections (provisional data)	184

† 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.

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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