



Public Health
England

Protecting and improving the nation's health

Routine reports of gastrointestinal infections in humans, England and Wales: August and September 2019

Health Protection Report
Volume 13 Number 36
11 October 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 36 – 39 (2 September – 29 September 2019)

Laboratory reports*	36/19	37/19	38/19	39/19	Total reports 36-39/19	Cumulative total to 39/19	Cumulative total to 39/18
<i>Campylobacter</i> spp.	1390	1163	1290	1285	5128	43258	48363
<i>Cryptosporidium</i> spp.	179	171	183	158	691	2824	3740
<i>Giardia</i> spp.	111	119	124	93	447	3538	4073
<i>Salmonella</i> spp.	246	285	293	192	1016	5830	6620
<i>Shigella</i> spp.	85	116	84	82	367	2276	1850
STEC O157 [†]	17	21	17	19	74	382	499
Rotavirus	16	16	17	16	65	2543	1845
Norovirus	46	51	69	62	228	4551	5028

* 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 1147 *Salmonella* infections stratified by serotype reported in the previous period (weeks 31 – 35, 2019) are given in the table below. In the current reporting period (weeks 36 – 39, 2019), 1016 *Salmonella* infections were reported.

Table 3: *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 31 - 35 (29 July – 1 September 2019) ‡

Serotype	Total
<i>Salmonella</i> Enteritidis	412
<i>Salmonella</i> Typhimurium	225
<i>Salmonella</i> Newport	32
<i>Salmonella</i> Infantis	24
<i>Salmonella</i> Agona	21
Other <i>Salmonella</i> serovars	433
Total <i>Salmonella</i> infections (provisional data)	1147

Shigella infections in England and Wales

Details of 271 *Shigella* infections stratified by species reported in the previous period (weeks 31 – 35, 2019) are given in the table below. In the current reporting period (weeks 36 – 39, 2019), 367 *Shigella* infections were reported.

Table 4: *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 31 - 35 (29 July – 1 September 2019) ‡

Serotype	Total
<i>Shigella sonnei</i>	92
<i>Shigella flexneri</i>	45
<i>Shigella boydii</i>	3
<i>Shigella dysenteriae</i>	1
<i>Shigella</i> not speciated	130
Total <i>Shigella</i> infections (provisional data)	271

‡ 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 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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Published: **October 2019**
PHE publications
gateway number: **2019128**

PHE supports the UN
Sustainable Development Goals

