



Public Health
England

Protecting and improving the nation's health

Routine reports of gastrointestinal infections in humans, England and Wales: April and May, 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 18 – 22 (29 April- 2 June)

Laboratory reports	18/19	19/19	20/19	21/19	22/19	Total Reports 18-22/19	Cumulative total to 22/19	Cumulative total to 22/18
<i>Campylobacter</i> spp.	1222	841	1182	1434	1110	5789	19454	25571
<i>Cryptosporidium</i> spp.	104	64	77	59	57	361	1147	2037
<i>Giardia</i> spp.	84	95	107	89	66	441	1987	2236
<i>Salmonella</i> spp.	127	129	156	173	132	717	2325	2765
<i>Shigella</i> spp.	68	70	89	94	50	371	1191	871
STEC O157 [†]	8	0	8	9	10	33	106	137
Rotavirus	107	89	110	129	86	435	1872	1129
Norovirus	123	131	139	79	54	472	3525	4041

* 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 367 *Salmonella* infections stratified by serotype reported in the previous period (weeks 14-17, 2019) are given in the table below. In the current reporting period (weeks 18-22, 2019), 717 *Salmonella* infections were reported.

Table 2: *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 14 – 17 (1 April – 28 April 2019)[‡]

Serotype	Total
<i>Salmonella</i> Enteritidis	99
<i>Salmonella</i> Typhimurium	69
<i>Salmonella</i> Newport	12
<i>Salmonella</i> Java	11
<i>Salmonella</i> Stanley	10
Other <i>Salmonella</i> serovars	166
Total <i>Salmonella</i> infections (provisional data)	367

Shigella infections in England and Wales

Details of 197 *Shigella* infections stratified by species reported in the previous period (weeks 14-17, 2019) are given in the table below. In the current reporting period (weeks 18-22, 2019), 371 *Shigella* infections were reported.

Table 3: *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 14-17 (1 April – 28 April 2019)

Serotype	Total
<i>Shigella sonnei</i>	54
<i>Shigella flexneri</i>	41
<i>Shigella boydii</i>	7
<i>Shigella dysenteriae</i>	1
<i>Shigella</i> not speciated	94
Total <i>Shigella</i> infections (provisional data)	197

[‡] 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.

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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