



Public Health
England

Protecting and improving the nation's health

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

Health Protection Report

Volume 13 Number 9

15 March 2019

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 5-8 2019 (28 January – 24 February 2019)

Laboratory reports *	5/19	6/19	7/19	8/19	Total Reports 5-8/19	Cumulative total to 8/19	Cumulative total to 8/19
<i>Campylobacter</i> spp.	726	744	736	817	3023	6063	8692
<i>Cryptosporidium</i> spp.	48	28	32	48	156	332	473
<i>Giardia</i> spp.	88	88	109	74	359	703	844
<i>Salmonella</i> spp.	100	74	102	91	367	749	839
<i>Shigella</i> spp.	47	57	42	40	186	375	229
STEC O157†	2	6	5	3	16	36	32
Rotavirus	42	62	67	76	247	403	226
Norovirus	178	207	192	233	810	1491	1642

* 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 **382** *Salmonella* infections stratified by serotype reported in the previous period (weeks 1 – 4, 2019) are given in the table below. In the current reporting period (weeks 5 – 8, 2019), **367** *Salmonella* infections were reported.

Table 2: *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 1 - 4 2019 (31 December 2018-27 January 2019) ‡

Serotype	Total
<i>Salmonella</i> Typhimurium	87
<i>Salmonella</i> Enteritidis	83
<i>Salmonella</i> Infantis	13
<i>Salmonella</i> Newport	12
<i>Salmonella</i> Saint-Paul	11
Other <i>Salmonella</i> serovars	176
Total <i>Salmonella</i> infections (provisional data)	382

‡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.

Shigella infections in England and Wales

Details of **189** *Shigella* infections stratified by species reported in the previous period (weeks 1 – 4, 2019) are given in the table below. In the current reporting period (weeks 5 – 8, 2019), **186** *Shigella* infections were reported.

Table 3: *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 1 - 4 2019 (31st December 2018 – 27 January 2019) ‡

Serotype	Total
<i>Shigella sonnei</i>	61
<i>Shigella flexneri</i>	34
<i>Shigella boydii</i>	7
<i>Shigella dysenteriae</i>	3
<i>Shigella</i> not speciated	84
Total <i>Shigella</i> infections (provisional data)	189

‡ 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.

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.

Public Health England, Wellington House, 133-155 Waterloo Road, London SE1 8UG.

Tel: 020 7654 8000 www.gov.uk/phe

Twitter: @PHE_uk Facebook: www.facebook.com/PublicHealthEngland

Queries relating to this document should be directed to:

EEDD@phe.gov.uk

© Crown copyright 2019

You may re-use this information (excluding logos) free of charge in any format or medium, under the terms of the Open Government Licence v3.0. To view this licence, visit [OGL](https://www.ogil.io) or email psi@nationalarchives.gsi.gov.uk. Where we have identified any third party copyright information you will need to obtain permission from the copyright holders concerned.

Published March 2019

PHE publications

gateway number: 2018780

PHE supports the UN

Sustainable Development Goals

