



Public Health
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Routine reports of gastrointestinal infections in humans, England and Wales: July and August 2019

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Routine reports of gastrointestinal infections in humans, England and Wales: July and August 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 31-35 (29 July – 1 September 2019)

Laboratory reports *	31/19	32/19	33/19	34/19	35/19	Total reports 31-35/19	Cumulative total to 35/19	Cumulative total to 35/18
<i>Campylobacter</i> spp.	1413	1255	1245	1209	1006	6128	38074	43996
<i>Cryptosporidium</i> spp.	73	100	105	113	113	504	2118	2970
<i>Giardia</i> spp.	94	83	86	100	77	440	3089	3554
<i>Salmonella</i> spp.	180	241	250	259	202	1132	4794	5418
<i>Shigella</i> spp.	58	48	52	58	54	270	1908	1558
STEC O157 [†]	12	19	20	25	17	93	303	397
Rotavirus	23	27	31	21	11	113	2476	1733
Norovirus	44	27	32	43	29	175	4319	4792

* 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.

Salmonella infections in England and Wales

Details of **703** *Salmonella* infections stratified by serotype reported in the previous period (weeks 27-30, 2019) are given in the table below. In the current reporting period (weeks 31-35, 2019), **1132** *Salmonella* infections were reported.

Table 2: *Salmonella* infections (faecal specimens) in England and Wales stratified by serotype: weeks 27-30 (1 July – 28 July 2019)[‡]

Serotype	Total
<i>Salmonella</i> Enteritidis	217
<i>Salmonella</i> Typhimurium	133
<i>Salmonella</i> Infantis	24
<i>Salmonella</i> Newport	12
<i>Salmonella</i> Agona	12
Other <i>Salmonella</i> serovars	305
Total <i>Salmonella</i> infections (provisional data)	703

Shigella infections in England and Wales

Details of **217** *Shigella* infections stratified by species reported in the previous period (weeks 27-30, 2019) are given in the table below. In the current reporting period (weeks 31-35, 2019), **270** *Shigella* infections were reported.

Table 4: *Shigella* infections (faecal specimens) in England and Wales stratified by species: weeks 27-30 (1 July – 28 July 2019)[‡]

Species	Total
<i>Shigella sonnei</i>	62
<i>Shigella flexneri</i>	53
<i>Shigella boydii</i>	4
<i>Shigella dysenteriae</i>	98
<i>Shigella</i> not speciated	217
Total <i>Shigella</i> infections (provisional data)	62

[‡] 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.

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

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

Twitter: [@PHE_uk](https://twitter.com/PHE_uk) Facebook: www.facebook.com/PublicHealthEngland

Queries relating to this document should be directed to:

EEDD@phe.gov.uk

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