



Public Health
England

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Routine reports of gastrointestinal infections in humans, England and Wales: January and February 2020

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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: 05-08 (27 January 2020 – 23 February 2020)

Laboratory reports *	05/20	06/20	07/20	08/20	Total reports 05-08/20	Cumulative total to 08/20	Cumulative total to 08/19
<i>Campylobacter</i> spp.	1016	1114	880	995	4005	7752	6155
<i>Cryptosporidium</i> spp.	49	57	48	57	211	478	335
<i>Giardia</i> spp.	112	141	96	78	427	797	724
<i>Salmonella</i> spp.	84	91	102	111	388	831	730
<i>Shigella</i> spp.	55	72	54	74	255	514	376
STEC O157 †	4	1	0	3	8	21	30
Rotavirus	26	35	28	34	123	209	423
Norovirus	264	217	185	149	815	1645	1503

* 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 443 salmonella infections stratified by serotype reported in the previous period (weeks 01-04 2020) are given in the table below. In the current reporting period (weeks 05-08 2020), 388 salmonella infections were reported.

Table 2. Salmonella infections (faecal specimens) in England and Wales stratified by serotype: weeks 01-04 (30 December 2019 – 26 January 2020)[‡]

Serotype	Total
<i>Salmonella</i> Enteritidis	102
<i>Salmonella</i> Typhimurium	75
<i>Salmonella</i> Newport	14
<i>Salmonella</i> Stanley	10
<i>Salmonella</i> Kentucky	10
Other <i>Salmonella</i> serovars	232
Total salmonella infections (provisional data)	443

[‡] 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: 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. Phage typing for *Salmonella* spp. ceased as of 1 November 2015.

Shigella infections in England and Wales

Details of 259 shigella infections stratified by species reported in the previous period (weeks 01–04 2020) are given in the table below. In the current reporting period (weeks 05 – 08 2020), 255 *Shigella* infections were reported.

Table 2. Salmonella infections (faecal specimens) in England and Wales stratified by serotype: weeks 01-04 (30 December 2019 – 26 January 2020)[‡]

Serotype	Total
<i>Shigella sonnei</i>	70
<i>Shigella Typhimurium</i>	67
<i>Shigella Newport</i>	5
<i>Shigella Stanley</i>	2
<i>Shigella</i> not speciated	115
Total shigella infections (provisional data)	259

[‡] 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: 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. Phage typing for *Salmonella* spp. ceased as of 1 November 2015.

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-leading 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 a distinct delivery organisation with operational autonomy. We provide government, local government, the NHS, Parliament, industry and the public with evidence-based professional, scientific and delivery expertise and support.

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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